APPENDIX M

DEPTH TO WATER MEASUREMENTS/GROUNDWATER ELEVATION DATA

DRAFT

40557231

Trihydro

WESTLAKE LANDFILL

Groundwater Elevations

Monitoring Well	Top of Pipe Elevation	Surface Elevation	11/16/79	9/5/80	3/17/81	12/10/81	3/25/82	8/20/82
1	456.44	(ground level)	dry	-	-	-		-
2	449.7	447.7	dry	-	-	-		-
3	442.33	-	dry	-	-	-		-
34	478.4	475.1	430.7	428.2	427.4	430.9	433.9	-
35	475.1	471.9	430.6	429.6	427.1	431.1	433.4	442.2
36	471.0	470.0	dry	dry	dry	432.0	432.7	448.2
37	459.9	458.8	dry	dry	dry	434.1	438.7	435.3
37A	477.5	474.4	430.5	429.5	427.0	430.5	432.6	432.2
38	462.6	458.9	432.4	431.1	430.6	430.6	418.6	435.1
39	465.4	462.7	430.6	429.4	426.9	428.9	424.5	435.0
40	480.5	477.4	430.3	429.5	427.0	429.5	432.7	431.2
41	485.5		431.2	429.2	426.5*	-		-

Collection Well

A	48" RCP	429.1	-	343.1	-	396.4	out of service	
B	48" RCP	490.7	-	440.2	-	364.7	459.7	-
C	24" RCP	476.0	471.0	447.0	-	447.7	459.2	-
D	24" RCP	506.2					459.2	-
E	12" PVC	378.0						

*Insufficient water for sampling.

REITZ & JENS, INC.
November 1979

WEST LAKE LANDFILL

Groundwater Elevations

Monitoring Well	Top of Pipe Elevation	Surface Elevation	11/16/82	2/9/83	5/16/83	8/2/83	11/15/83	2/8/84
HL 1	448.9	444.8	434.0	433.8	436.9	435.5	432.2	432.8
HL 2	449.4	444.7	436.9	438.5	440.8	439.4	436.6	431.5
HL 3	450.3	446.3	440.3	441.3	437.0	438.4	435.7	430.1
34	478.4	475.1	452.3	433.2	436.8	435.2	432.9	432.2
35	475.1	471.9	439.6	433.9	437.1	435.7	432.8	432.8
36	471.0	470.0	431.5	432.6	437.1	435.0	432.4	432.2
37	459.9	458.8	–	434.1	437.3	436.0	434.8	433.6
37A	477.5	474.4	433.5	434.2	436.9	435.5	432.9	432.4
38	462.6	458.9	432.3	436.1	436.5	435.0	432.8	431.8
39	465.4	462.7	432.6	434.1	437.0	435.2	432.3	432.4
40	480.5	477.4	432.3	432.9	437.5	435.5	431.7	431.9
41	485.5	blocked 17.5' from top of pipe			–	–	–	–

Collection Well

B	48" RCP	490.7
C	24" RCP	476.0
D	24" RCP	506.2
E	12" PVC	378.0

REITZ & JENS, INC.
1040 N. Lindbergh
St. Louis, Mo. 63132

WEST LAKE LANDFILL

Groundwater Elevations

Monitoring Well	Top of Pipe Elevation	Surface Elevation	5/1-2/84
HL 1	449.0	444.8	437.3
HL 2	447.1	444.7	436.1
HL 3	447.7	446.3	433.5
34	478.4	475.1	441.4
35	475.1	471.9	437.4
36	471.0	470.0	437.1
37	459.9	458.8	438.8
37A	477.5	474.4	437.1
38	462.6	458.9	439.1
39	465.4	462.7	437.1
40	480.5	477.4	437.5
41	485.5	blocked 17.5' from top	

REITZ & JENS, INC.

WESTLAKE LANDFILL - TABULATION OF PIEZOMETRIC SURFACE ELEVATIONS
(Groundwater Table)

Location and Gat. Elev.	*	Date of Reading **	11/15/83 Depth To Gwt	11/15/83 Elev. of Gwt	12/1/83 Depth to Gwt	12/1/83 Elev. of Gwt	12/16/83 Depth to Gwt	12/16/83 Elev. of Gwt	1/3/84 Depth to Gwt	1/3/84 Elev. of Gwt	1/13/84 Depth to Gwt	1/13/84 Elev. of Gwt	1/20/84 Depth to Gwt	1/20/84 Elev. of Gwt	1/27/84 Depth to Gwt	1/27/84 Elev. of Gwt	2/3/84 Depth to Gwt	2/3/84 Elev. of Gwt
50 453.48	408.4 R	418.4	21.23	432.25	19.34	433.64	18.67	434.81	19.97	433.51	20.25	433.23	21.02	432.46	20.70	432.78	20.81	432.67
51 447.72	420.5	423.5	12.0	435.7	14.0	433.7	13.2	434.5	dry	<420.5	17.22	430.50	17.73	429.99	17.73	429.99	17.65	430.07
52 447.0	419.5	422.5	10.5	436.6	14.48	432.6	12.98	434.1	dry	<419.5	15.31	431.77	15.78	431.30	15.83	431.25	15.89	431.1
53 449.00	42[illegible]	424.1	16.8	432.2	15.39	433.6	14.87	434.1	dry	<421.1	15.98	433.02	16.45	432.55	16.42	432.58	16.56	432.44
54 471.0	429.6	432.6	38.6	432.4	37.82	433.2	36.97	434.0	37.46	433.5	37.93	433.1	43.18	427.8	38.28	432.7	38.43	432.6
55 475.1	41[illegible].9	414.9	42.3	432.8	40.96	434.1	39.88	435.2	41.42	433.7	41.86	433.2	42.25	432.8	42.18	432.9	42.36	432.7
56 478.4	414.0	417.0	45.5	432.9	44.73	433.7	43.82	434.6	45.07	433.3	45.51	432.9	45.88	432.5	45.88	432.5	45.88	432.5
57Q																		
58 480.5	417.5	420.5	44.8	431.7	46.95	433.6	45.88	434.6	47.22	433.3	47.61	432.9	48.04	432.5	47.81	432.7	48.20	432.3
59 448.67	401.4	411.4	17.83	430.84	16.80	431.87	15.86	432.81	18.10	430.57	17.50	431.17	17.86	430.81	17.81	430.86	17.63	431.04
60 446.93	422.1	?													15.99	430.94	16.20	430.73
61 450.17	424.1	?													18.85	431.32	19.05	431.12
62 446.08	400.1	410.1	15.58	430.50	14.61	431.47	13.67	432.41	15.36	430.72	14.81	431.27	15.17	430.91	15.45	430.63	15.48	430.60
63 422.19	——	——															+8.87	431.06
64	——	——																
65 441.80	402.5	412.5	10.84	430.96	9.81	431.99	8.84	432.96	15.62	426.18	10.06	431.74	10.37	431.43	10.44	431.36	10.70	431.10
66 441.80	400.8	410.8	10.82	430.98	9.73	432.07	8.82	432.98	14.80	427.00	9.97	431.83	10.27	431.53	10.38	431.42	10.60	431.20
67 439.08	401.1	411.1	7.97	431.11	6.73	432.35	5.85	432.23	25.41	413.67	7.08	432.00	7.43	431.65	7.58	431.50	7.78	431.30
68 448.32	409.7 R	419.7	17.15	431.17	16.25	432.07	15.40	432.92	dry	<409.7	16.69	431.63	17.17	431.15	17.24	431.08	17.32	431.00
69Q																		
70Q																		
71Q																		
72 465.4	412.7	415.7	33.1	432.3	32.36	433.0	31.60	433.8	32.06	433.3	33.07	432.3	33.48	431.9	33.25	432.2	33.35	432.0
73 462.6	408.9	411.9	29.8	432.8	30.01	432.6	29.49	433.1	29.73	432.9	30.57	432.0	30.90	431.7	30.86	431.7	30.55	432.0
74Q																		
75 459.9	432.8	435.8	25.1	434.8	23.52	436.4	22.61	437.3	25.78	434.1	24.57	435.3	26.22	433.7	26.02	433.9	26.13	433.8
76 477.5	424.4	427.4	44.6	432.9	43.77	433.7	42.85	434.6	43.63	433.9	43.99	433.5	44.66	432.8	44.70	432.8	44.75	432.8
77 446.10	——	——								ice		ice		ice		ice		ice
[illegible] River Stage at St. Charles			17.8	431.4	22.5	436.1	18.6	432.2	9.5	423.1	13.6	427.2	14.0	427.6	13.2	426.8	17.5(1)	433.8

* Elev. Bottom of Well

** Elev. top of Slotted Casing

R - Refusal

NOTE: Read all depths to .01 ft.

(1) Note: river rose 4.0' in past 24 hrs.

REITZ & JENS, INC.

WESTLAKE LANDFILL - TABULATION OF PIEZOMETRIC SURFACE ELEVATIONS
(Groundwater Table)

Location and Ref. Elev.	*	Date of Reading **	2/10/84 Depth To Gwt	2/10/84 Elev. of Gwt	2/16/84 Depth to Gwt	2/16/84 Elev. of Gwt	2/23/84 Depth to Gwt	2/23/84 Elev. of Gwt	3/1/84 Depth to Gwt	3/1/84 Elev. of Gwt	3/9/84 Depth to Gwt	3/9/84 Elev. of Gwt	3/15/84 Depth to Gwt	3/15/84 Elev. of Gwt	3/22/84 Depth to Gwt	3/22/84 Elev. of Gwt	Depth to Gwt	Elev. of Gwt
50 453.48	408.4	418.4	20.65	432.83	20.14	433.34	20.20	433.28	19.12	434.36	18.18	435.30	18.09	435.39	16.91	436.57		
51 447.72	420.5	423.5	17.62	430.10	17.11	430.61	16.68	431.04	16.18	431.54	15.17	432.55	15.01	432.71	13.80	433.92		
52 447.08	419.5	422.5	15.84	431.24	15.36	431.72	14.84	432.24	14.33	432.75	13.48	433.60	13.48	433.60	12.36	434.72		
53 449.00	421.1	424.1	16.48	432.52	16.12	432.88	15.73	433.27	15.11	433.89	14.39	434.61	14.15	434.85	13.20	435.80		
54 471.0	429.6	432.6	38.36	432.6	38.54	432.5	38.22	432.8	37.41	433.6	36.73	434.3	36.60	434.4	35.84	435.2		
55 475.1	411.9	414.9	42.15	432.9	41.95	433.2	41.48	433.6	41.34	433.8	40.60	434.5	40.05	435.1	39.35	435.8		
56 478.4	414.0	417.0	45.86	432.5	45.51	432.9	45.36	433.0	45.01	433.4	44.35	434.1	43.88	434.5	43.91	435.5		
57																		
58 480.5	417.5	420.5	48.01	432.5	47.75	432.8	47.70	432.8	47.27	433.2	46.44	434.1	46.03	434.5	45.19	435.3		
59 448.67	401.4	411.4	17.91	430.76	17.72	430.95	17.48	431.19	16.95	431.72	16.02	432.65	15.68	432.99	14.73	433.94		
60 446.93	422.1		16.16	430.77	15.99	430.94	15.65	431.28	15.20	431.73	14.44	432.49	13.68	433.25	13.06	433.87		
61 450.17	424.1		18.89	431.28	18.95	431.22	18.63	431.54	18.35	431.82	17.77	432.40	17.28	432.89	16.29	433.88		
62 446.08	400.1	410.1	15.45	430.63	15.33	430.75	15.02	431.06	14.41	431.67	13.88	432.20	13.27	432.81	12.39	433.69		
63 422.19	——	——	+8.85	431.04	+8.82	431.01	+8.92	431.11	+9.33	431.52	+9.85	432.04	+10.31	432.5	+11.19	433.38		
64	——	——																
65 441.80	402.5	412.5	10.68	431.12	10.58	431.22	10.42	431.38	10.18	431.62	9.55	432.25	8.94	432.86	8.02	433.78		
66 441.80	400.8	410.8	10.58	431.22	10.32	431.48	10.26	431.54	9.97	431.83	9.32	432.48	8.79	433.01	7.95	433.84		
67 439.08	401.1	411.1	7.80	431.28	7.57	431.51	7.33	431.75	7.10	431.98	6.45	432.63	5.90	433.18	4.95	434.13		
68 448.32	409.7	419.7	17.29	431.03	17.09	431.23	16.78	431.54	16.16	432.16	15.62	432.70	15.09	433.23	14.19	434.13		
69Q																		
70Q																		
71Q																		
72 465.4	412.7	415.7	33.44	432.0	32.51	432.9	32.42	433.0	32.21	433.2	31.62	433.8	30.97	434.4	30.33	435.1		
73 462.6	408.9	411.9	30.47	432.1	30.22	432.4	30.17	432.4	29.34	433.3	29.34	433.3	28.76	433.8	28.10	434.5		
74																		
75 459.9	432.8	435.8	26.24	433.7	23.86	436.0	25.68	434.2	21.20	438.7	19.67	440.2	23.50	436.4	21.86	438.0		
76 477.5	424.4	427.4	45.23	432.3	44.57	432.9	44.59	432.9	44.03	433.5	43.26	434.2	42.76	434.7	42.01	435.5		
77 434.95	——	——	3.71	431.24 ice	3.35	431.6	3.24	431.71	2.53 ice	432.4	0.60	434.4	1.35	433.6	0.33	434.62		
S. River Stage at St. Charles			15.1	428.7	17.9	431.5	18.9	432.5	18.9	432.5	20.9	434.5	17.0	430.6	27.0	440.6		

* Elev. Bottom of Well

** Elev. top of Slotted Casing

NOTE: Read all depths to .01 ft.

REITZ & JENS, INC.

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

Observed Water Level Readings

Sheet ____ of ____

Project Name: WESTLAKES	Project No.: 84-075-4-002	Hole No.: I-50 (old N-1)
Location	Elev. Ground Surface (G.S.): 449.0	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 453.48	
Date Started Drilling Hole: — Time: —	Total Depth of Hole: 40.6	Drilling Type:
Date Completed Drilling Hole: — Time: —		
Date Piezometer Installed: — Time: —	Total Depth of Piezometer: 40.6	Footage Slotted: 10.0

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	11:15 am	P. Hustad	15.8' from T.O.P.	437.68	
6-21-84	10:40 am	R. Robinson	16.47' from T.O.P.	437.01	
8-8-84	3:48 pm	G. Ernstmann	18.[illegible] from T.O.P.	434.86	
8-20-84	5:05 pm	G. Ernstmann	19.5' from T.O.P.	433.98	Electric tape (water level indicator)
8-29-84	7:15 am	G. Ernstmann	20.33 from T.O.P.	433.15	
10-3-84	9:04 am	R. Robinson	20.4 from T.O.P.	433.08	Electric Tape
10-26-84	12:55 pm	G. Ernstmann	18.80 from T.O.P.	434.68	Electric Tape
12-14-84	12:58 pm	G. Ernstmann	18.50 from T.O.P.	434.98	Electric Tape
3-30-85	2:25 pm	G. Ernstmann	15.50 from T.O.P.	437.98	steel tape
4-25-85	12:35 pm	G. Ernstmann	17.13 from T.O.P.	436.35	
6-7-85	11:[illegible] am	S. Payiotatis	19.16 from T.O.P.	[illegible]	
8-5-85	—	S. Payiotatis	19.14 from T.O.P.	434.34	steel tape
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

Observed Water Level Readings

Sheet _____ of _____

Project Name WESTLAKES	Project No. 84-075-4-002	Hole No. S-51 (old HL-3)
Location	Elev. Ground Surface (G.S.) 446.3	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.) 447.72	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole 25.8	Drilling Type ____
Date Completed Drilling Hole ____ Time ____	Total Depth of Piezometer 25.8	Footage Slotted 3.0
Date Piezometer Installed ____ Time ____		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	11:38 am	P. Hustad	12.3 from T.O.P.	435.42	
5-24-84	12:45 pm	G. Ernstmann	13.0 from T.O.P.	434.72	
6-27-84	10:47 am	R. Robinson	13.36 from T.O.P.	434.36	
8-8-84	3:35 pm	G. Ernstmann	14.97 from T.O.P.	432.75	
8-20-84	5:10 pm	G. Ernstmann	15.75 from T.O.P.	431.97	Electric Tape (water level indicator)
8-29-84	10:45 am	G. Ernstmann	16.39 from T.O.P.	431.33	
10-3-84	9:20 am	R. Robinson	16.40 from T.O.P.	431.32	Electric Tape
10-26-84	12:45 pm	G. Ernstmann	15.35 from T.O.P.	432.37	Electric Tape
12-19-84	12:45 pm	G. Ernstmann	15.2 from T.O.P.	432.5	Electric Tape
3-30-85	2:20 pm	G. Ernstmann	12.58 from T.O.P.	435.14	Steel tape
4-18-85	—	G. Ernstmann	13.00 from T.O.P.	434.72	
4-25-85	12:17 pm	G. Ernstmann	13.83 from T.O.P.	433.89	
6-7-85	11:15 am	S. Payiatakis	13.88 from T.O.P.	433.84	
8-8-85	—	S. Payiatakis	15.74 from T.O.P.	431.98	cloth Tape
12-13-85	—	M. Erio	12.33 from T.O.P.	435.39	Electric Tape
5-19-86	—	M. Erio	16.12 from T.O.P.	431.60	
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

Observed Water Level Readings

Sheet ____ of ____

Project Name: WESTLAKES	Project No.: 84-075-4-002	Hole No.: S-52 (old HL-2)
Location	Elev. Ground Surface (G.S.): 444.7	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 447.08	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole: 25.2	Drilling Type: ____
Date Completed Drilling Hole ____ Time ____	Total Depth of Piezometer: 25.2	Footage Slotted: 3.0
Date Piezometer Installed ____ Time ____		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	11:28 am	P. Hustad	10.9 from T.O.P.	436.18	
5-23-84	1:00 am	G. Ernstmann	11.3 from T.O.P.	435.78	
6-27-84	10:51 am	R. Robinson	11.39 from T.O.P.	435.31	
8-8-84	3:40 pm	G. Ernstmann	12.98 from T.O.P.	434.10	
8-20-84	5:15 pm	G. Ernstmann	13.75 from T.O.P.	433.33	Electric Tape
8-29-84	10:50 am	G. Ernstmann	14.38 from T.O.P.	432.70	
10-3-84	9:25 Am	R. Robinson	14.54 from T.O.P.	432.54	Electric Tape
10-26-84	12:40 pm	G. Ernstmann	13.50 from T.O.P.	433.58	" "
12-19-84	12:41 pm	G. Ernstmann	13.3 from T.O.P.	434.8	" "
3-30-85	2:15 pm	G. Ernstmann	10.92 from T.O.P.	436.16	steel tape
4-18-85	—	G. Ernstmann	11.4 from T.O.P.	435.68	
4-25-85	12:25 pm	G. Ernstmann	12.0 from T.O.P.	435.08	
6-7-85	11:25 am	S. Payiatakis	11.90 from T.O.P.	435.18	
8-8-85	—	S. Payiatakis	13.96 from T.O.P.	433.32	cloth Tape
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

Observed Water Level Readings

Sheet ____ of ____

Project Name: WESTLAKES	Project No.: 84-075-4-002	Hole No.: S-53 (old HL-1)
Location	Elev. Ground Surface (G.S.): 444.8	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 449.00	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole: 23.7	Drilling Type: ____
Date Completed Drilling Hole ____ Time ____	Total Depth of Piezometer: 23.7	Footage Slotted: 3.0
Date Piezometer Installed ____ Time ____		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	11:32 am	P. Hustad	11.65 from T.O.P.	437.35	
5-23-84	1:05 pm	G. Ernstmann	11.85 from T.O.P.	437.15	
6-27-84	10:55 am	R. Robinson	11.94 from T.O.P.	437.06	
8-8-84	3:42 pm	G. Ernstmann	13.62 from T.O.P.	435.38	
8-20-84	5:20 pm	G. Ernstmann	14.3 from T.O.P.	434.7	Electric Tape
8-29-84	10:55 am	G. Ernstmann	14.96 from T.O.P.	434.04	
10-3-84	9:27 am	R. Robinson	15.09 from T.O.P.	433.91	Electric Tape
10-26-84	12:35 pm	G. Ernstmann	14.10 from T.O.P.	434.90	" "
12-12-84	12:37 pm	G. Ernstmann	14.0 from T.O.P.	435.0	" "
3-30-85	2:10 pm	G. Ernstmann	11.67 from T.O.P.	437.33	Steel tape
4-18-85	NOON	G. Ernstmann	12.1 from T.O.P.	436.90	
4-25-85	12:21 pm	G. Ernstmann	12.63 from T.O.P.	436.37	
6-7-85	11:35 am	S. Payiatakis	12.83 from T.O.P.	436.17	
8-8-85	—	S. Payiatakis	14.48 from T.O.P.	434.52	Cloth Tape
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

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Project Name: WESTLAKE	Project No.: 84-075-1-002	Hole No.: S-54 (old 36)
Location	Elev. Ground Surface (G.S.): 470.0	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 471.0	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole: 40.4	Drilling Type: ____
Date Completed Drilling Hole ____ Time ____	Total Depth of Piezometer: 40.4	Footage Slotted: 3.0
Date Piezometer Installed ____ Time ____		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	1:44pm	P. Hustad	34.2 from T.O.P.	436.8	
5-23-84	1:10pm	G. Ernstmann	34.2 from T.O.P.	436.8	
6-27-84	11:15am	R. Robinson	35.45 from T.O.P.	435.55	
8-8-84	4:15pm	G. Ernstmann	35.75 from T.O.P.	435.25	
8-20-84	4:28pm	G. Ernstmann	36.4 from T.O.P.	434.6	Electric tape (water level indicator)
8-24-84	1:15pm	G. Ernstmann	36.91 from T.O.P.	434.09	
8-29-84	10:15am	G. Ernstmann	37.24 from T.O.P.	433.76	
10-3-84	11:05am	R. Robinson	37.19 from T.O.P.	433.81	Electric Tape
10-26-84	10:10am	G. Ernstmann	36.20 from T.O.P.	434.80	" "
12-19-84	11:48am	G. Ernstmann	36.3 from T.O.P.	434.7	" "
3-30-85	1:35pm	G. Ernstmann	34.08 from T.O.P.	436.92	steel tape
4-25-85	9:02am	G. Ernstmann	34.75 from T.O.P.	436.25	
6-7-85	1:55pm	S. Payiatakis	34.84 from T.O.P.	436.16	
8-8-85	~	S. Payiatakis	36.83 from T.O.P.	434.17	Cloth Tape
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Observed Water Level Readings

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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: I-55 (old 35)
Location	Elev. Ground Surface (G.S.): 471.9	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 475.1	
Date Started Drilling Hole: ____ Time: ____	Total Depth of Hole: 60.0	Drilling Type: ____
Date Completed Drilling Hole: ____ Time: ____	Total Depth of Piezometer: 60.0	Footage Slotted: 3.0
Date Piezometer Installed: ____ Time: ____		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	1:40pm	P. Hustad	38.0 from T.O.P.	437.1	
5-23-84	4:15pm	G. Ernstmann	37.9 from T.O.P.	437.2	
6-27-84	11:20am	R. Robinson	38.02 from T.O.P.	437.08	
8-8-84	3:00pm	G. Ernstmann	39.55 from T.O.P.	435.55	
8-20-84	4:25pm	G. Ernstmann	40.4 from T.O.P.	434.7	Electric Tape
8-29-84	10:20am	G. Ernstmann	41.13 from T.O.P.	433.97	
10-3-84	11:10am	R. Robinson	41.15 from T.O.P.	433.95	Electric Tape
10-26-84	10:02am	G. Ernstmann	40.20 from T.O.P.	434.90	" "
12-19-84	11:45am	G. Ernstmann	40.2 from T.O.P.	434.9	" "
3-30-85	1:30pm	G. Ernstmann	37.83 from T.O.P.	437.27	steel tape
4-25-85	8:55am	G. Ernstmann	38.63 from T.O.P.	436.47	
6-7-85	1:50pm	S. Payiatakis	38.52 from T.O.P.	436.58	
8-8-85	—	S. Payiatakis	40.73 from T.O.P.	434.37	Cloth Tape
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No: 84-075-4-002	Hole No. I-56 (old 34)
Location	Elev. Ground Surface (G.S.): 475.1	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 478.4	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole: 61.1	Drilling Type: ____
Date Completed Drilling Hole ____ Time ____		
Date Piezometer Installed ____ Time ____	Total Depth of Piezometer: 61.1	Footage Slotted: 3.0

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	1:36 pm	P. Hustad	41.45 from T.O.P.	436.95	
4-25-84	8:10 am	G. Ernstmann	41.5 from T.O.P.	436.9	
4-27-84	11:25 am	R. Robinson	41.67 from T.O.P.	436.73	
8-8-84	2:55 pm	G. Ernstmann	43.34 from T.O.P.	435.06	
8-20-84	3:55 pm	G. Ernstmann	44.0 from T.O.P.	434.4	Electric Tape
8-29-84	10:22 am	G. Ernstmann	44.86 from T.O.P.	433.54	
10-3-84	11:15 am	R. Robinson	44.97 from T.O.P.	433.43	Electric Tape
10-26-84	9:57 am	G. Ernstmann	43.95 from T.O.P.	434.45	" "
12-19-84	11:42 am	G. Ernstmann	44.0 from T.O.P.	434.4	" "
3-30-85	1:25 pm	G. Ernstmann	41.42 from T.O.P.	436.78	steel tape
4-25-85	8:48 am	G. Ernstmann	42.17 from T.O.P.	436.23	
6-7-85	1:45 pm	S. Payiatakis	42.18 from T.O.P.	436.22	
8-8-85	—	S. Payiatakis	44.43 from T.O.P.	433.97	
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
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Project Name: WESTLAKE	Project No: 84-075-4-002	Hole No. I-58 (old 40)
Location	Elev. Ground Surface (G.S.): 477.5	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 480.5	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole: 60.0	Drilling Type: ____
Date Completed Drilling Hole ____ Time ____		
Date Piezometer Installed ____ Time ____	Total Depth of Piezometer: 60.0	Footage Slotted: 3.0

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	1:30 pm	P. Hustad	43.5 from T.O.P.	437.0	
5-24-84	8:00 am	G. Ernstmann	43.3 from T.O.P.	437.2	
6-27-84	11:35 am	R. Robinson	43.55 from T.O.P.	436.95	
8-8-84	2:45 pm	G. Ernstmann	45.29 from T.O.P.	435.21	
8-20-84	4:10 pm	G. Ernstmann	46.15 from T.O.P.	434.35	Electric Tape
8-29-84	10:30 am	G. Ernstmann	46.81 from T.O.P.	433.69	
10-3-84	11:21 am	R. Robinson	47.02 from T.O.P.	433.48	Electric Tape
10-26-84	9:50 am	G. Ernstmann	46.00 from T.O.P.	434.50	" "
12-19-84	11:35 am	G. Ernstmann	46.0 from T.O.P.	434.5	" "
3-30-85	1:15 pm	G. Ernstmann	43.58 from T.O.P.	436.92	Steel Tape
4-25-85	8:40 am	G. Ernstmann	44.04 from T.O.P.	436.46	
6-7-85	1:40 pm	S. Payiatakis	44.13 from T.O.P.	436.37	
8-8-85	—	S. Payiatakis	46.41 from T.O.P.	434.09	Cloth Tape
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: I-59 (old N-2)
Location	Elev. Ground Surface (G.S.): 444.9	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 448.67	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole: 43.5	Drilling Type: ____
Date Completed Drilling Hole ____ Time ____	Total Depth of Piezometer: 43.5	Footage Slotted: 10.0
Date Piezometer Installed ____ Time ____		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	1:22 pm	P. Husted	12.55 from T.O.P.	436.12	
5-24-84	8:20 am	G. Ernstmann	12.7 from T.O.P.	435.97	
6-27-84	11:55 am	R. Robinson	12.92 from T.O.P.	435.75	
8-8-84	2:35 pm	G. Ernstmann	14.68 from T.O.P.	433.99	
8-20-84	10:48 am	G. Ernstmann	15.56 from T.O.P.	433.11	
8-24-84	2:15 pm	G. Ernstmann	15.84 from T.O.P.	432.83	
8-29-84	12:15 pm	G. Ernstmann	16.16 from T.O.P.	432.51	
10-3-84	11:27 am	R. Robinson	16.36 from T.O.P.	432.31	Electric Tape
10-26-84	9:47 am	G. Ernstmann	15.45 from T.O.P.	433.22	" "
12-19-84	11:18 am	G. Ernstmann	15.4 from T.O.P.	433.2	" "
3-30-85	12:47 pm	G. Ernstmann	13.00 from T.O.P.	435.67	Steel Tape
4-25-85	10:41 am	G. Ernstmann	13.42 from T.O.P.	435.25	
6-7-85	1:15 pm	S. Payiatakis	13.50 from T.O.P.	435.17	
8-8-85	—	S. Payiatakis	15.77 from T.O.P.	433.20	Cloth Tape
12-13-85	—	M. Erio	14.43 from T.O.P.	434.24	Electric Tape
5-20-86	—	M. Erio	15.92 from T.O.P.	432.75	

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: S-60 (old S-2)
Location	Elev. Ground Surface (G.S.): 443.1	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 446.93(1) 446.30(2)	
Date Started Drilling Hole: ___ Time: ___	Total Depth of Hole: 21.0	Drilling Type: ___
Date Completed Drilling Hole: ___ Time: ___	Total Depth of Piezometer: 21.0	Footage Slotted: ___
Date Piezometer Installed: ___ Time: ___		

Remarks:
(1) T.O.P = 446.93 prior to (4/17/85)
(2) T.O.P. = 446.30 beginning (4/17/85)

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	afternoon	P. Hustad	10.65 from T.O.P.(1)	436.28	
5-24-84	8:40 am	G. Ernstmann	10.7 from T.O.P.(1)	436.23	
6-27-84	10:91 am	R. Robinson	12.02 from T.O.P.(1)	434.91	
8-8-84	2:22 pm	G. Ernstmann	12.84 from T.O.P.(1)	434.09	
8-20-84	10:42 am	G. Ernstmann	13.74 from T.O.P.(1)	433.19	
8-29-84	12:02 pm	G. Ernstmann	14.4 from T.O.P.(1)	432.53	
10-3-84	11:36 am	R. Robinson	14.70 from T.O.P.(1)	432.23	Electric Tape
10-26-84	9:40 am	G. Ernstmann	13.95 from T.O.P.(1)	432.98	" "
12-19-84	11:12 am	G. Ernstmann	* 13.7(±.1) from T.O.P.(1)	433.2	Electric Tape. *Note: above-ground part of piez. is badly damaged.
3-30-85	12:37 pm	G. Ernstmann	* 1.17 from G.S.	441.93	steel tape *Note: piez. is still damaged and was open at the surface
4-17-85	11:00 am	G. Ernstmann	10.4 from T.O.P.(2)	435.90	
4-25-85	10:31 am	G. Ernstmann	10.92 from T.O.P.(2)	435.38	
6-4-85	2:30 pm	S. Paylatakis	12.06 from T.O.P.(2)	434.24	Cloth Tape
6-7-85	1:30 pm	S. Paylatakis	11.03 from T.O.P.(2)	435.27	Cloth Tape
8-8-85	—	S. Paylatakis	12.98 from T.O.P.(2)	433.32	Cloth Tape
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: S-61 (old S-1)
Location	Elev. Ground Surface (G.S.): 445.6	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 450.17	
Date Started Drilling Hole: ___ Time: ___	Total Depth of Hole: 21.5	Drilling Type: ___
Date Completed Drilling Hole: ___ Time: ___		
Date Piezometer Installed: ___ Time: ___	Total Depth of Piezometer: 21.5	Footage Slotted: ___

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	afternoon	P. Hustad	13.3 from T.O.P.	436.87	
5-24-84	8:30am	G. Ernstmann	13.8 from T.O.P.	436.37	
6-27-84	12:07pm	K. Robinson	14.05 from T.O.P.	436.12	
8-8-84	2:20pm	G. Ernstmann	16.00 from T.O.P.	434.17	
8-20-84	10:38am	G. Ernstmann	16.90 from T.O.P.	433.27	
8-29-84	12:00 noon	G. Ernstmann	17.56 from T.O.P.	432.61	
10-3-84	11:40am	R. Robinson	17.88 from T.O.P.	432.29	Electric Tape
10-26-84	9:20am	G. Ernstmann	17.00 from T.O.P.	433.17	" "
12-19-84	11:08am	G. Ernstmann	16.8 from T.O.P.	433.4	" "
3-30-85	12:35pm	G. Ernstmann	14.42 from T.O.P.	435.75	steel Tape
4-11-85	2:45pm	G. Ernstmann	14.1 from T.O.P.	436.07	Electric Tape
4-25-85	10:28am	G. Ernstmann	14.42 from T.O.P.	435.75	" "
6-4-85	[illegible]	[illegible] Payatakis	15.79 from T.O.P.	[illegible]	" "
6-7-85	8:47am	[illegible] Payatakis	14.89 from T.O.P.	435.28	" "
8-8-85	—	[illegible] Payatakis	16.72 from T.O.P.	433.45	cloth Tape
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
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Project Name: WESTLAKES	Project No.: 84-075-4-002	Hole No.: I-62 (old N-3)
Location	Elev. Ground Surface (G.S.): 444.1	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 446.08	
Date Started Drilling Hole: ____ Time: ____	Total Depth of Hole: 44.0	Drilling Type: ____
Date Completed Drilling Hole: ____ Time: ____		
Date Piezometer Installed: ____ Time: ____	Total Depth of Piezometer: 44.0	Footage Slotted: 10.0

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	afternoon	P. Hustad	8.9 from T.O.P.	437.18	
5-24-84	9:00 am	G. Ernstmann	9.4 from T.O.P.	436.68	
6-27-84	12:20 pm	R. Robinson	9.86 from T.O.P.	436.22	
8-10-84	7:35 am	G. Ernstmann	11.89 from T.O.P.	434.19	
8-16-84	8:00 am	G. Ernstmann	12.40 from T.O.P.	433.68	
8-20-84	7:30 am	G. Ernstmann	12.66 from T.O.P.	433.42	
8-21-84	11:30 am	G. Ernstmann	12.78 from T.O.P.	433.30	
8-28-84	10:40 am	G. Ernstmann	13.2 from T.O.P.	432.88	
8-29-84	1:15 pm	G. Ernstmann	13.35 from T.O.P.	432.73	
10-3-84	1:12 pm	R. Robinson	13.84 from T.O.P.	432.24	Electric Tape
10-26-84	9:12 am	G. Ernstmann	12.95 from T.O.P.	433.13	" "
12-19-84	10:45 am	G. Ernstmann	12.7 from T.O.P.	433.4	" "
3-30-85	12:02 pm	G. Ernstmann	10.04 from T.O.P.	436.04	" "
4-25-85	11:00 am	G. Ernstmann	10.17 from T.O.P.	435.91	" "
6-7-85	9:07 am	S. Papaladakis	10.32 from T.O.P.	435.76	" "
8-8-85	—	S. Papaladakis	[illegible] from T.O.P.	433.63	cloth Tape

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKES	Project No.: 84-075-4-002	Hole No.: I-65 (old N-4)
Location	Elev. Ground Surface (G.S.): 438.5	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 441.80	
Date Started Drilling Hole: ____ Time: ____	Total Depth of Hole: 36.0	Drilling Type: ____
Date Completed Drilling Hole: ____ Time: ____	Total Depth of Piezometer: 36.0	Footage Slotted: 10.0
Date Piezometer Installed: ____ Time: ____		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	12:52 pm	P. Hustad	4.5' from T.O.P.	437.3	
5-24-84	11:00 am	G. Ernstmann	5.0' from T.O.P.	436.8	
6-27-84	1:12 pm	R. Robinson	5.46 from T.O.P.	436.34	
8-8-84	1:40 pm	G. Ernstmann	7.43 from T.O.P.	434.37	
8-21-84	12:20 pm	G. Ernstmann	8.42 from T.O.P.	433.38	
8-30-84	8:55 am	G. Ernstmann	9.18 from T.O.P.	432.62	
10-3-84	11:50 am	R. Robinson	9.45 from T.O.P.	432.35	Electric Tape
10-26-84	12:08 pm	G. Ernstmann	8.55 from T.O.P.	433.25	" "
12-19-84	10:10 am	G. Ernstmann	8.4 from T.O.P.	433.4	" "
3-30-85	2:45 pm	G. Ernstmann	5.33 from T.O.P.	436.47	steel tape
4-25-85	11:10 am	G. Ernstmann	5.83 from T.O.P.	435.97	Electric tape
6-7-85	8:25 am	S. Payiatakis	6.25 from T.O.P.	435.55	" "
8-8-85	—	S. Payiatakis	7.78 from T.O.P.	433.82	cloth tape
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKES	Project No.: 84-075-4-002	Hole No.: I-66 (old N-5)
Location	Elev. Ground Surface (G.S.): 437.7	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 441.80	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole: 36.9	Drilling Type: ____
Date Completed Drilling Hole ____ Time ____		
Date Piezometer Installed ____ Time ____	Total Depth of Piezometer: 36.9	Footage Slotted: 10.0

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	afternoon	P. Hustad	* from		* water in ditch has surrounded the piezometer
5-24-84	11:15 am	G. Ernstmann	4.9' from T.O.P.	436.9	water in ditch, at base of piezometer, is 3.4' below T.O.P. (438.4)
6-27-84	1:18 pm	R. Robinson	5.40 from T.O.P.	436.4	
8-8-84	1:45 pm	G. Ernstmann	7.42	434.38	
8-21-84	12:25 pm	G. Ernstmann	8.38 from T.O.P.	433.42	
8-30-84	9:05 am	G. Ernstmann	9.05 from T.O.P.	432.75	
10-3-84	11:55 am	R. Robinson	9.36 from T.O.P.	432.44	Electric Tape
10-26-84	12:15 pm	G. Ernstmann	8.25 from T.O.P.	433.55	" "
12-19-84	10:15 am	G. Ernstmann	8.2 from T.O.P.	433.6	" "
3-30-85	—	G. Ernstmann	See Remarks from —	—	Piez. is inaccessible because of water in ditch.
4-25-85	—	G. Ernstmann	" from —	—	" " " " "
6-7-85	—	S. Payalakis	" from —	—	2' of water @ surface
8-8-85	—	S. Payalakis	7.63 from T.O.P.	434.17	cloth tape
5-20-86	—	M. Frio	4.12 from T.O.P.	432.68	
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKES	Project No. 84-075-4-002	Hole No. I-GT (old N-6)
Location	Elev. Ground Surface (G.S.) 436.5	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.) 439.08	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole 35.4	Drilling Type ____
Date Completed Drilling Hole ____ Time ____		
Date Piezometer Installed ____ Time ____	Total Depth of Piezometer 35.4	Footage Slotted 10.0

Remarks:

Date	Time	By Whom	Depth to Water*			W.L. Elev.	Remarks
4-26-84	afternoon	P. Hustad	*	from	–	–	* water in ditch is above the T.O.P.
5-24-84	11:30am	G. Ernstmann	*	from	–	–	* water in ditch is above the T.O.P.
6-27-84	1:24pm	R. Robinson	2.61	from	T.O.P.	436.47	
8-6-84	1:35pm	G. Ernstmann	4.65	from	T.O.P.	434.43	
8-21-84	12:50pm	G. Ernstmann	5.55	from	T.O.P.	433.53	
8-30-84	9:10am	G. Ernstmann	6.22	from	T.O.P.	432.86	
10-3-84	noon	R. Robinson	6.42	from	T.O.P.	432.66	Electric Tape
12-19-84	10:19am	G. Ernstmann	5.3	from	T.O.P.	433.8	" "
3-30-85	—	G. Ernstmann	See Remarks	from	–	–	Piez. is inaccessible because of water in ditch.
4-25-85	—	G. Ernstmann	"	from	–	–	Piezometer is underwater.
6-4-85	—	S. Paylatakis	"	from	–	–	" " "
8-8-85	—	S. Paylatakis	4.75	from	T.O.P.	434.32	cloth Tape
				from			
				from			
				from			
				from			

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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GEOTECHNICAL DEPARTMENT

Observed Water Level Readings

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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: I-68 (old N-7)
Location	Elev. Ground Surface (G.S.): 440.9	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 448.32	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole: 31.2	Drilling Type: ____
Date Completed Drilling Hole ____ Time ____		
Date Piezometer Installed ____ Time ____	Total Depth of Piezometer: 31.2	Footage Slotted: 10.0

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	12:37pm	P. Hustad	10.9 from T.O.P.	437.42	
5-24-84	11:45am	G. Ernstmann	11.5 from T.O.P.	436.82	
6-27-84	1:30pm	R. Robinson	12.25 from T.O.P.	436.07	
8-8-84	1:47pm	G. Ernstmann	14.02 from T.O.P.	434.30	
8-21-84	6:55am	G. Ernstmann	14.9 from T.O.P.	433.42	Electric tape
8-30-84	9:20am	G. Ernstmann	15.70 from T.O.P.	432.62	
10-3-84	10:01am	R. Robinson	15.84 from T.O.P.	432.48	Electric Tape
10-26-84	12:00noon	G. Ernstmann	14.55 from T.O.P.	433.77	" "
12-19-84	10:40am	G. Ernstmann	14.6 from T.O.P.	433.7	" "
3-30-85	11:35am	G. Ernstmann	11.17 from T.O.P.	437.15	" "
4-25-85	11:24am	G. Ernstmann	12.29 from T.O.P.	436.03	" "
6-4-85	1:10pm	S. Poyiatakis	13.59 from T.O.P.	434.81	" "
6-7-85	8:05am	S. Poyiatakis	11.30 from T.O.P.	437.02	" "
8-8-85	—	S. Poyiatakis	14.17 from T.O.P.	434.15	cloth tape
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Observed Water Level Readings

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Project Name: WESTLAKES	Project No. 84-075-4-002	Hole No. I-72 (old 39)
Location	Elev. Ground Surface (G.S.) 462.7	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.) 465.4	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole 50.0	Drilling Type ____
Date Completed Drilling Hole ____ Time ____		
Date Piezometer Installed ____ Time ____	Total Depth of Piezometer 50.0	Footage Slotted 3.0

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	2:28 pm	P. Hustad	28.15 from T.O.P.	437.25	
5-23-84	1:00 pm	G. Ernstmann	28.4 from T.O.P.	437.00	
6-27-84	1:35 pm	R. Robinson	28.66 from T.O.P.	436.74	
8-8-84	3:15 pm	G. Ernstmann	30.22 from T.O.P.	435.18	
8-20-84	1:10 pm	G. Ernstmann	31.05 from T.O.P.	434.35	Electric tape
8-29-84	10:25 am	G. Ernstmann	31.81 from T.O.P.	433.59	
10-3-84	9:40 am	R. Robinson	31.92 from T.O.P.	433.48	Electric Tape
10-26-84	10:35 am	G. Ernstmann	31.05 from T.O.P.	434.35	" "
12-19-84	12:18 pm	G. Ernstmann	30.8 from T.O.P.	434.2	" "
3-30-85	11:50 am	G. Ernstmann	28.58 from T.O.P.	436.82	" "
4-25-85	8:14 am	G. Ernstmann	29.21 from T.O.P.	436.19	" "
6-4-85	2:30 pm	S. Paylatakis	30.10 from T.O.P.	435.30	" "
6-7-85	9:40 am	S. Paylatakis	29.33 from T.O.P.	436.07	" "
8-8-85	—	S. Paylatakis	31.28 from T.O.P.	434.12	cloth Tape
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: I-73 (old 38)
Location	Elev. Ground Surface (G.S.): 462.7	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 465.4	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole: 50.0	Drilling Type: ____
Date Completed Drilling Hole ____ Time ____		
Date Piezometer Installed ____ Time ____	Total Depth of Piezometer: 50.0	Footage Slotted: 3.0

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	2:31 pm	P. Hustad	26.15 from T.O.P.	436.55	
5-23-84	1:15 pm	G. Ernstmann	26.5 from T.O.P.	436.2	
6-27-84	1:40 pm	R. Robinson	26.67 from T.O.P.	436.03	
8-8-84	3:17 pm	G. Ernstmann	28.62 from T.O.P.	436.78	
8-20-84	1:15 pm	G. Ernstmann	29.61 from T.O.P.	435.79	Electric Tape
8-29-84	10:27 am	G. Ernstmann	30.13 from T.O.P.	435.27	
10-3-84	9:43 am	R. Robinson	29.97 from T.O.P.	435.43	Electric Tape
10-26-84	10:38 am	G. Ernstmann	29.20 from T.O.P.	436.20	" "
12-19-84	12:20 pm	G. Ernstmann	29.1 from T.O.P.	436.3	" "
3-30-85	11:53 am	G. Ernstmann	27.17 from T.O.P.	438.23	" "
4-25-85	8:17 am	G. Ernstmann	27.58 from T.O.P.	437.87	" "
6-4-85	2:50 pm	S. Paylatakis	28.48 from T.O.P.	436.92	" "
6-7-85	9:50 am	S. Paylatakis	27.68 from T.O.P.	437.72	" "
8-8-85	—	S. Paylatakis	29.48 from T.O.P.	435.92	cloth Tape
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: 74 Q
Location	Elev. Ground Surface (G.S.)	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): approx. 465' ± 5'	
Date Started Drilling Hole / Time	Total Depth of Hole	Drilling Type
Date Completed Drilling Hole / Time	Total Depth of Piezometer	Footage Slotted
Date Piezometer Installed / Time		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	2:36pm	P. Hustad	17.3 from T.O.P.	≈ 448	
5-23-84	1:15pm	G. Einstmann	15.5' from *T.O.P.	≈ 450	* highest point on top of tilted concrete casing
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No. 84-075-4-002	Hole No. S-75 (old 37)
Location	Elev. Ground Surface (G.S.) 458.8	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.) 459.9	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole 26.0	Drilling Type ____
Date Completed Drilling Hole ____ Time ____		
Date Piezometer Installed ____ Time ____	Total Depth of Piezometer 26.0	Footage Slotted 3.0

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-26-84	2:03 pm	P. Hustad	21.4 from T.O.P.	438.5	
5-24-84	12:30pm	G. Ernstmann	22.4 from T.O.P.	437.5	
6-27-84	11:00am	R. Robinson	22.53 from T.O.P.	437.37	
8-8-84	4:05pm	G. Ernstmann	24.33 from T.O.P.	435.51	
8-20-84	4:45pm	G. Ernstmann	25.0 from T.O.P.	434.9	Electric tape
8-24-84	1:05pm	G. Ernstmann	25.37 from T.O.P.	434.53	
8-29-84	10:05am	G. Ernstmann	25.70 from T.O.P.	434.2	
10-3-84	10:58am	R. Robinson	25.53 from T.O.P.	434.37	Electric Tape
10-26-84	10:22am	G. Ernstmann	24.15 from T.O.P.	435.75	" "
12-19-84	11:55am	G. Ernstmann	24.5 from T.O.P.	435.6	" "
3-30-85	1:55pm	G. Ernstmann	17.50 from T.O.P.	442.4	steel tape
4-17-85	–	"	24.1 from "	435.80	
4-25-85	9:07 AM	"	22.88 from "	437.02	
6-7-85	12:30 PM	S. Payiatoris	17.70 from "	442.20	
8-8-85	–	"	21.18 from "	438.72	Cloth Tape
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: S-76 (old 37A)
Location	Elev. Ground Surface (G.S.): 474.4	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 477.5	
Date Started Drilling Hole ____ Time ____	Total Depth of Hole: 50.0	Drilling Type: ____
Date Completed Drilling Hole ____ Time ____	Total Depth of Piezometer: 50.0	Footage Slotted: 3.0
Date Piezometer Installed ____ Time ____		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-27-84	9:30am	Bill Canney	40.7 from T.O.P.	436.8	
5-23-84	4:00pm	G. Ernstmann	40.5 from T.O.P.	437.0	
6-27-84	11:05am	R. Robinson	40.54 from T.O.P.	436.96	
8-8-84	4:10pm	G. Ernstmann	42.21 from T.O.P.	435.29	
8-20-84	4:35pm	G. Ernstmann	42.95 from T.O.P.	434.55	Electric tape
8-24-84	1:10pm	G. Ernstmann	43.36 from T.O.P.	434.14	
8-29-84	10:15am	G. Ernstmann	43.69 from T.O.P.	433.81	
10-26-84	10:15am	G. Ernstmann	42.80 from T.O.P.	434.70	Electric Tape
12-19-84	11:52am	G. Ernstmann	42.6 from T.O.P.	434.9	" "
3-30-85	1:45pm	G. Ernstmann	40.92 from T.O.P.	436.58	steel Tape
4-25-85	9:05 AM	"	40.04 from "	437.46	
6-7-85	2:00 PM	S. Papiatakis	41.79 from "	435.71	
8-8-85	—	"	43.24 from "	434.26	Cloth Tape
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No. 84-075-4-002		Hole No. S-80
Location		Elev. Ground Surface (G.S.) 448.4	
N 2592.7962	E 2619.0159	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.) 453.38	
Date Started Drilling Hole 8-28-84	Time —	Total Depth of Hole 22.0'	Drilling Type SOLID AUGERS
Date Completed Drilling Hole 8-29-84	Time —		
Date Piezometer Installed 8-29-84	Time 9:00 am	Total Depth of Piezometer 20.0'	Footage Slotted 10.0'

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
8-28-84	—	G. Ernstmann	≈ 14' from G.S.	≈ 439	saturated material encountered during drilling.
8-29-84	7:00am	G. Ernstmann	12.9' from G.S.	440.48	water level standing in hole during drilling.
8-29-84	9:00am	G. Ernstmann	18.17 from T.O.P.	435.21	immediately after piezometer installation.
8-29-84	9:30am	G. Ernstmann	17.4 from T.O.P.	435.98	
10-3-84	8:57AM	A. ROBINSON	18.6 from T.O.P.	434.78	Electric Tape
10-26-84	12:50pm	G. Ernstmann	17.10 from T.O.P.	436.28	" "
12-19-84	12:55pm	G. Ernstmann	14.4 from T.O.P.	439.0	" "
3-30-85	2:30pm	G. Ernstmann	11.50 from T.O.P.	441.88	steel tape
4-17-85	—	"	9.90 from "	443.48	
4-25-85	12:29 PM	"	16.29 from "	442.09	
6-7-85	10:55 AM	S. Payiatakis	14.18 from "	439.20	Cloth Tape
8-8-85	—	"	15.62 from "	437.76	
12-13-85	—	M. Erio	10.90 from "	442.45	Electric Tape
5-19-86	—	"	16.65 from "	436.73	
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-002		Hole No.: D-81
Location		Elev. Ground Surface (G.S.): 447.8	
N 1146.2728	E 922.0145	Elev. Top of Pipe (T.O.P.) or Reference Point (R.P.): 450.82	
Date Started Drilling Hole: 8-13-84	Time: —	Total Depth of Hole: 61.5'	Drilling Type: WASH BORING
Date Completed Drilling Hole: 8-15-84	Time: —	Total Depth of Piezometer: 60.0'	Footage Slotted: 15.0'
Date Piezometer Installed: 8-15-84	Time: 11:00 am		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
8-13-84	3:30 pm	G. Ernstmann	≈ 13' from G.S.	≈ 438	saturated material encountered during drilling.
8-15-84	3:05 pm	G. Ernstmann	16.63' from T.O.P.	434.19	4 hours after piezometer installation.
8-20-84	4:50 pm	G. Ernstmann	17.6' from T.O.P.	433.22	Electric tape
8-21-84	9:15 am	G. Ernstmann	17.6' from T.O.P.	433.22	just before evacuating piezometer with compressed air
8-21-84	9:37 am	G. Ernstmann	17.75' from T.O.P.	433.07	2 mins. after evacuating piezometer
8-24-84	1:25 pm	G. Ernstmann	16.94' from T.O.P.	433.88	
8-29-84	12:35 pm	G. Ernstmann	18.28 from T.O.P.	432.54	
10-26-84	10:25 am	G. Ernstmann	17.35 from T.O.P.	433.47	Electric tape
12-19-84	12:02 pm	G. Ernstmann	17.3 from T.O.P.	433.5	" "
3-30-85	2:35 pm	G. Ernstmann	14.92 from T.O.P.	435.90	steel tape
4-25-85	9:10 AM	"	15.88 from "	434.94	
6-7-85	12:35 PM	S. Payiatakis	15.73 from "	435.09	
8-8-85	—	"	17.68 from "	433.14	Cloth Tape
12-13-85	—	M. Erio	14.71 from "	436.11	Electric Tape.
5-19-86	—	"	18.12 from "	432.70	
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-002		Hole No.: S-82
Location		Elev. Ground Surface (G.S.): 447.7	
N 599.1580	E 19.3231	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 450.69	
Date Started Drilling Hole: 8-24-84	Time: —	Total Depth of Hole: 26.5'	Drilling Type: WASH-BORING
Date Completed Drilling Hole: 8-27-84	Time: —	Total Depth of Piezometer: 25.5'	Footage Slotted: 10.0'
Date Piezometer Installed: 8-27-84	Time: 1:45 pm		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
8-24-84	—	G. Ernstmann	11' to 13' and below 17' from G.S.	below 434'	saturated material encountered during drilling.
8-27-84	1:45 pm	G. Ernstmann	18.2 from T.O.P.	432.49	immediately after piezometer installation.
8-29-84	12:20 pm	G. Ernstmann	18.25' from T.O.P.	432.44	
10-3-84	11:30 am	R. Robinson	18.34 from T.O.P.	432.35	Electric Tape
10-26-84	9:45 am	G. Ernstmann	17.51 from T.O.P.	433.18	" "
12-19-84	11:17 am	G. Ernstmann	17.5 from T.O.P.	433.2	" "
3-30-85	12:45 pm	G. Ernstmann	15.00 from T.O.P.	435.69	steel tape
4-17-85	—	"	15.00 from "	435.69	
4-25-85	10:37 AM	"	15.46 from "	435.23	
6-7-85	12:45 PM	S. Payiatakis	15.56 from "	435.13	
8-8-85	—	"	17.53 from "	433.16	Cloth Tape
5-20-86	—	M. Erio	18.00 from "	432.69	
12-12-85	—	"	14.40 from "	436.29	
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-002		Hole No.: D-83
Location		Elev. Ground Surface (G.S.): 444.4	
N 1742,7093	E 1219,4580	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 447,62	
Date Started Drilling Hole: 8-16-84	Time: —	Total Depth of Hole: 115,3'	Drilling Type: WASH BORING
Date Completed Drilling Hole: 8-20-84	Time: —	Total Depth of Piezometer: 97,0'	Footage Slotted: 20.0'
Date Piezometer Installed: 8-21-84	Time: 2:05 pm		

Remarks:

Date	Time	By Whom	Depth to Water*			W.L. Elev.	Remarks
8-16-84	—	G. Ernstmann	10.5'	from	G.S.	437.1	saturated material encountered during drilling.
8-21-84	2:05 pm	G. Ernstmann	14.50'	from	T.O.P.	433.12	immediately after piezometer installation.
8-27-84	10:40 am	G. Ernstmann	14.84'	from	T.O.P.	432.78	just prior to evacuating piezometer with compressed air.
8-27-84	11:17 am	G. Ernstmann	15.0'	from	T.O.P.	432.62	4 minutes after evacuating the piezometer.
8-29-84	1:05 pm	G. Ernstmann	15.04'	from	T.O.P.	432.58	
10-3-84	1:10 pm	R. Robinson	15.39	from	T.O.P.	432.23	Electric Tape
10-26-84	9:10 am	G. Ernstmann	14.55	from	T.O.P.	433.07	" "
12-19-84	10:47 am	G. Ernstmann	14.4	from	T.O.P.	433.2	" "
3-30-85	12:00 noon	G. Ernstmann	11.46	from	T.O.P.	436.16	" "
4-25-85	10:58 AM	"	11.83	from	"	435.79	
6-7-85	9:05 AM	S. Papiatakis	12.14	from	"	435.48	
8-8-85	—	"	14.18	from	"	433.44	Cloth Tape
12-12-85	—	M. Erio	10.56	from		437.06	Electric Tape
5-19-86	—	"	15.08	from		432.54	
				from			
				from			

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Sheet 1 of 2

Project Name	WEST LAKE	Project No. 84-075-4-002	Hole No. S-84
Location		Elev. Ground Surface (G.S.)	452.9
N 340.0038	E 1998.2729	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.)	456.92
Date Started Drilling Hole	8-24-84 Time —	Total Depth of Hole	31.5' Drilling Type SOLID AUGERS
Date Completed Drilling Hole	8-24-84 Time —	Total Depth of Piezometer	30.9' Footage Slotted 10.0'
Date Piezometer Installed	8-24-84 Time 12:20 pm		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
8-24-84	—	G. Ernstmann	13' to 20' from G.S.		few thin saturated zones encountered during drilling.
8-24-84	—	G. Ernstmann	20' from G.S.	437'	saturated material below 20' during drilling.
8-24-84	12:20pm	G. Ernstmann	23.7' from T.O.P.	433.22	immediately after piezometer installation.
8-27-84	7:15 am	G. Ernstmann	23.91' from T.O.P.	433.01	
8-27-84	9:20 am	G. Ernstmann	23.92' from T.O.P.	433.00	Just prior to evacuating piezometer with compressed air
8-27-84	2:15 pm	G. Ernstmann	23.98 from T.O.P.	432.94	about 4½ hrs. after evacuating the piezometer
8-30-84	9:16 am	G. Ernstmann	24.28 from T.O.P.	432.64	
10-3-84	10:05 am	R. Robinson	24.32 from T.O.P.	432.60	Electric Tape
10-26-84	11:56 am	G. Ernstmann	23.20 from T.O.P.	433.72	" "
12-19-84	10:35 am	G. Ernstmann	23.3 from T.O.P.	433.6	" "
3-30-85	11:22 am	G. Ernstmann	20.33 from T.O.P.	436.59	" "
4-25-85	11:15 AM	"	20.83 from "	436.09	
6-4-85	12:30 PM	S. Payiatakis	22.25 from "	434.67	
6-7-85	8:00 AM	"	21.16 from "	435.76	
8-8-85	—	"	22.96 from "	433.96	Cloth Tape
12-13-85	—	M. Erio	19.85 from "	437.07	Electric Tape

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

Observed Water Level Readings

Sheet 2 of 2

Project Name: WESTLAKE	Project No.: 34-075-4-002	Hole No.: S-84

Location	Elev. Ground Surface (G.S.): See Sheet 1
N: See sheet 1 E:	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.):
Date Started Drilling Hole: Time:	Total Depth of Hole: Drilling Type:
Date Completed Drilling Hole: Time:	Total Depth of Piezometer: Footage Slotted:
Date Piezometer Installed: Time:	

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
5-20-86	—	M. Erio	24.19 from T.O.P.	432.73	
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

Observed Water Level Readings

Sheet ____ of ____

Project Name: WESTLAKE	Project No.: 84-075-4-002		Hole No.: D-85
Location		Elev. Ground Surface (G.S.): 453.1	
N 340.5414	E 1986.8430	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 457.15	
Date Started Drilling Hole: 8-21-84	Time: —	Total Depth of Hole: 84.1'	Drilling Type: WASH BORING
Date Completed Drilling Hole: 8-22-84	Time: —		
Date Piezometer Installed: 8-24-84	Time: 10:00 am	Total Depth of Piezometer: 82.0'	Footage Slotted: 20.0'

Remarks:

Date	Time	By Whom	Depth to Water*			W.L. Elev.	Remarks
8-22-84	7:30 am	G. Ernstmann	approx. 18' to 25'	from	G.S.		saturated material encountered during drilling.
8-24-84	10:00 am	G. Ernstmann	20.05	from	T.O.P.	437.10	immediately after piezometer installation.
8-27-84	7:15 am	G. Ernstmann	24.09	from	T.O.P.	433.06	
8-27-84	9:40 am	G. Ernstmann	24.12	from	T.O.P.	433.03	Just prior to evacuating piezometer with compressed air.
8-27-84	2:20 pm	G. Ernstmann	24.21	from	T.O.P.	432.94	about 4 1/2 hrs. after evacuating the piezometer.
8-30-84	9:15 am	G. Ernstmann	24.50	from	T.O.P.	432.65	
10-3-84	10:07 am	R. Robinson	24.54	from	T.O.P.	432.61	Electric Tape
10-26-84	11:55 am	G. Ernstmann	23.35	from	T.O.P.	433.80	" "
12-19-84	10:37 am	G. Ernstmann	23.5	from	T.O.P.	433.6	" "
3-30-85	11:20 am	G. Ernstmann	20.62	from	T.O.P.	436.53	" "
4-25-85	—	"	21.08	from	"	436.07	
6-4-85	12:55 PM	S. Payiatakis	22.48	from	"	434.67	
6-7-85	8:00 AM	"	21.23	from	"	435.92	
8-8-85	—	"	23.22	from	"	433.93	Cloth Tape
12-11-85	—	M. Erio	20.20	from	"	436.95	Electric Tape
5-20-86	—	"	24.40	from	"	432.75	

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

Observed Water Level Readings

Sheet 1 of 2

Project Name: WESTLAKE		Project No.: 84-075-4-002	Hole No.: D-87
Location		Elev. Ground Surface (G.S.): 460.0	
N 114.45	E 903.6487	Elev. Top of Pipe (T.O.P.) or Reference Point (R.P.): 463.04	
Date Started Drilling Hole: 8-9-84	Time: —	Total Depth of Hole: 111.7'	Drilling Type: WASH BORING
Date Completed Drilling Hole: 8-10-84	Time: —		
Date Piezometer Installed: 8-10-84	Time: —	Total Depth of Piezometer: 111.0'	Footage Slotted: 20.0'

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
8-9-84	—	G. Ernstmann	27' from G.S.		saturated material encountered during drilling.
8-10-84	—	G. Ernstmann	4.46 from T.O.P.	458.58	immediately after piezometer installation.
8-14-84	8:15 am	G. Ernstmann	26.05' from T.O.P.	436.99	
8-20-84	12:50 pm	G. Ernstmann	29.75' from T.O.P.	433.29	
8-23-84	1:30 pm	G. Ernstmann	30.0' from T.O.P.	433.04	before surging well.
8-23-84	3:30 pm	G. Ernstmann	30.3' from T.O.P.	432.74	few minutes after surging and bailing the well.
8-27-84	10:15 am	G. Ernstmann	29.29' from T.O.P.	433.75	just prior to evacuating piezometer with compressed air.
8-27-84	10:32 am	G. Ernstmann	30.5' from T.O.P.	432.54	4 minutes after evacuating the piezometer.
8-29-84	11:15 am	G. Ernstmann	30.46 from T.O.P.	432.58	
10-3-84	9:50 am	R. Robinson	30.61 from T.O.P.	432.43	Electric Tape
10-26-84	10:45 am	G. Ernstmann	29.75 from T.O.P.	433.29	" "
12-19-84	10:43 am	G. Ernstmann	29.6 from T.O.P.	433.4	" "
3-30-85	11:39 am	G. Ernstmann	27.09 from T.O.P.	435.95	" "
4-25-85	8:30 AM	"	27.50 from "	435.54	
6-4-85	1:20 PM	S. Papiatakis	28.74 from "	434.30	
6-7-85	8:35 PM	"	27.88 from "	435.16	

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

Observed Water Level Readings

Sheet 2 of 2

Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: D-87
Location	Elev. Ground Surface (G.S.): See Sheet 1	
N See sheet 1 E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): "	
Date Started Drilling Hole: " Time: "	Total Depth of Hole: "	Drilling Type: "
Date Completed Drilling Hole: " Time: "	Total Depth of Piezometer: "	Footage Slotted: "
Date Piezometer Installed: " Time: "		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
8-8-83	—	"	28.78 from "	433.26	Cloth Tape
12-11-85	—	M. Erio	26.75 from "	436.54	Electric Tape
5-20-86	—	"	27.75 from "	435.29	
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
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Observed Water Level Readings

Sheet 1 of 2

Project Name: WESTLAKE		Project No: 84-075-4-002	Hole No. S-88
Location		Elev. Ground Surface (G.S.): 460.0	
N 695.0461	E 309.2279	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 462.73	
Date Started Drilling Hole: 8-15-84	Time: —	Total Depth of Hole: 41.5'	Drilling Type: WASH BORING
Date Completed Drilling Hole: 8-16-84	Time: —	Total Depth of Piezometer: 40.0'	Footage Slotted: 10.0'
Date Piezometer Installed: 8-16-84	Time: 11:00 am		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
8-15-84	—	G. Ernstmann	18' to 24' from G.S.		saturated seams encountered during drilling.
8-15-84		G. Ernstmann	24' from G.S.	439'	saturated material encountered during drilling below 24'.
8-16-84	11:00 am	G. Ernstmann	29.3' from T.O.P.	433.43	immediately after piezometer installation.
8-20-84	1:00 pm	G. Ernstmann	29.50' from T.O.P.	433.23	Electric Tape
8-21-84	8:38 am	G. Ernstmann	29.46' from T.O.P.	433.27	just before evacuating piezometer with compressed air
8-21-84	9:01 am	G. Ernstmann	29.8' from T.O.P.	432.93	1½ mins. after evacuating piezometer
8-24-84	1:30 pm	G. Ernstmann	29.90' from T.O.P.	432.83	
8-29-84	11:10 am	G. Ernstmann	30.20 from T.O.P.	432.53	
10-3-84	10:45 am	R. Robinson	30.34 from T.O.P.	432.39	Electric Tape
10-26-84	10:40 am	G. Ernstmann	29.50 from T.O.P.	433.23	" "
12-19-84	12:11 pm	G. Ernstmann	29.4 from T.O.P.	433.3	" "
3-30-85	11:45 am	G. Ernstmann	27.00 from T.O.P.	435.37	" "
4-25-85	8:25 AM	"	27.50 from "	435.23	
6-4-85	2:10 PM	S. Payiatacis	28.81 from "	433.92	
6-7-85	9:17 AM	"	27.71 from "	435.02	
8-8-85	—	"	29.65 from "	433.08	Cloth Tape

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Observed Water Level Readings

Sheet 2 of 2

Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: S-88

Location	Elev. Ground Surface (G.S.): See Sheet 1
N See Sheet 1 E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): "
Date Started Drilling Hole: " Time: "	Total Depth of Hole: " Drilling Type: "
Date Completed Drilling Hole: " Time: "	Total Depth of Piezometer: " Footage Slotted: "
Date Piezometer Installed: " Time: "	

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
12-11-85	–	M. Erio	26.48 from T.O.P.	436.25	Electric Tape
5-20-86	–	"	29.79 from "	432.94	" "
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
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Project Name: WESTLAKE	Project No.: 84-075-4-002		Hole No.: D-89
Location		Elev. Ground Surface (G.S.): 454.1	
N 1790.5514	E 602.6094	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 457.10	
Date Started Drilling Hole: 8-27-84	Time: —	Total Depth of Hole: 49.0'	Drilling Type: WASH BORING
Date Completed Drilling Hole: 8-28-84	Time: —	Total Depth of Piezometer: 49.0'	Footage Slotted: 15.0'
Date Piezometer Installed: 8-28-84	Time: 1:30 pm		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
8-27-84	—	G. Ernstmann	15' to 20' from G.S.		few thin saturated zones encountered during drilling.
8-27-84	—	G. Ernstmann	21' from G.S.		saturated material encountered during drilling below 21'.
8-28-84	1:30 pm	G. Ernstmann	22.3' from T.O.P	434.8	immediately after piezometer installation.
8-29-84	10:30 am	G. Ernstmann	24.50 from T.O.P.	432.60	Just prior to evacuating piezometer with compressed air
8-29-84	11:45 am	G. Ernstmann	24.65 from T.O.P.	432.45	10 minutes after evacuating the piezometer.
10-3-84	9:33 am	R. Robinson	24.73 from T.O.P.	432.37	Electric Tape
10-26-84	12:19 pm	G. Ernstmann	23.65 from T.O.P.	433.45	" "
12-19-84	12:30 pm	G. Ernstmann	23.6 from T.O.P.	433.5	" "
3-30-85	2:00 pm	G. Ernstmann	21.25 from T.O.P.	435.85	steel tape
4-25-85	11:35 AM	"	22.13 from "	434.97	
6-4-85	1:15 PM	S. Payiatakis	22.95 from "	434.15	
6-7-85	10:05 AM	"	22.0 from "	435.09	
8-8-85	—	"	24.10 from "	433.00	Cloth Tape
12-13-85	—	M. Erio	21.07 from "	436.03	Electric Tape
5-19-86	—	"	24.79 from "	432.81	
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-004	Hole No.: D-90
Location	Elev. Ground Surface (G.S.)	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 450.60	
Date Started Drilling Hole: 8-6-85 Time	Total Depth of Hole: 47.0'	Drilling Type: Solid Auger & Rotary Wash
Date Completed Drilling Hole: 8-7-85 Time	Total Depth of Piezometer: 47.0'	Footage Slotted: 10'
Date Piezometer Installed: 8-7-85 Time: 9:50 AM		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
12-13-85	-	M. Erio	13.87 from T.O.P.	436.73	Electric Tape
5-19-86	-	"	15.38 from "	435.22	
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-004	Hole No.: D-91
Location	Elev. Ground Surface (G.S.)	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 453.37	
Date Started Drilling Hole: 8-5-85 Time	Total Depth of Hole: 45.0	Drilling Type: Solid Auger
Date Completed Drilling Hole: 8-6-85 Time	Total Depth of Piezometer: 45.0	Footage Slotted: 10'
Date Piezometer Installed: 8-6-85 Time: 9:00		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
12-13-85	—	M. Erio	15.42 from T.O.P.	437.95	Electric Tape
5-19-86	—	"	19.29 from "	434.08	
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-002		Hole No.: D-92
Location		Elev. Ground Surface (G.S.): ≈ 475.5	
N	E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 475.37	
Date Started Drilling Hole: 4-9-85	Time	Total Depth of Hole: 143.6	Drilling Type
Date Completed Drilling Hole: 4-11-85	Time	Total Depth of Piezometer: 143.0	Footage Slotted: 20'
Date Piezometer Installed: 4-11-85	Time		

Remarks:

Date	Time	By Whom	Depth to Water*			W.L. Elev.	Remarks
4-17-85	11:15 AM	G. Ernstwann	38.9	from	T.O.P.	436.47	
4-22-85	10:30 AM	"	40.2	from	"	435.17	
4-23-85	3:30 PM	"	39.3	from	"	436.07	
4-24-85	7:00 AM	"	40.5	from	"	434.87	
4-25-85	8:30 AM	"	40.04	from	"	435.33	Electric Tape
6-4-85	1:40 PM	S. Payiatoris	41.17	from	"	434.20	
6-7-85	8:40 AM	"	38.06	from	"	437.31	
8-8-85	–	"	42.08	from	"	433.29	Cloth Tape
12-12-85	–	M. Erio	38.55	from	"	436.82	Electric Tape
5-19-86	–	"	42.40	from	"	432.97	
				from			
				from			
				from			
				from			
				from			
				from			

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: D-93
Location	Elev. Ground Surface (G.S.): ≈ 448	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 450.7	
Date Started Drilling Hole: 4-15-85 Time:	Total Depth of Hole: 119.2	Drilling Type: Wash bore
Date Completed Drilling Hole: 4-18-85 Time:	Total Depth of Piezometer: 112'	Footage Slotted: 20'
Date Piezometer Installed: 4-18-85 Time: 1:30PM		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-22-85	10:30 AM	G. Ernstmann	15.3 from T.O.P.	435.4	
4-24-85	7:00 AM	"	15.5 from "	435.2	
4-25-85	–	"	15.46 from "	435.24	Electric Tape
6-7-85	1:00 PM	S. Payiatakis	15.51 from "	435.19	
8-8-85	–	"	17.50 from "	433.20	cloth Tape
12-12-85	–	M. Erio	14.24 from "	436.46	Electric Tape
5-20-86	–	"	17.94 from "	432.76	
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Observed Water Level Readings

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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: D-94
Location	Elev. Ground Surface (G.S.): ≈ 438.5	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 442.68	
Date Started Drilling Hole: 4-18-85 Time:	Total Depth of Hole: 109.0	Drilling Type: Wash boring
Date Completed Drilling Hole: 4-24-85 Time:	Total Depth of Piezometer: 106.0	Footage Slotted: 20'
Date Piezometer Installed: 4-24-85 Time: 3:00 PM		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-25-85	11:08AM	G. Ernstmann	7.29 from T.O.P.	435.39	Electric Tape
6-4-85	1:50 PM	S. Payiatakis	7.88 from "	434.80	
6-7-85	8:15 AM	"	6.98 from "	435.70	
8-8-85	–	"	8.75 from "	433.93	Cloth Tape
12-12-85	–	M. Erio	5.25 from "	437.43	Electric Tape.
5-20-86	–	"	10.90 from "	431.78	
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Observed Water Level Readings

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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: D-95
Location	Elev. Ground Surface (G.S.): ≈450	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 453.09	
Date Started Drilling Hole: 4-22-85 Time:	Total Depth of Hole: 100	Drilling Type: H.S Auger & wash boring
Date Completed Drilling Hole: 4-24-85 Time:	Total Depth of Piezometer: 101.0	Footage Slotted: 20
Date Piezometer Installed: 4-24-85 Time: 3:00 PM		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
4-25-85	12:00 PM	G. Ernstmann	16.75 from T.O.P.	436.34	Electric Tape
6-7-85	10:35 AM	S. Payiatacis	17.02 from "	436.07	
8-8-85	—	"	19.01 from "	434.08	Cloth Tape
12-12-85	—	M. Erio	15.35 from "	437.74	Electric Tape.
5-21-86	—	"	20.46 from "	432.63	
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: Earth City #8
Location: Earth City, west of the landfill	Elev. Ground Surface (G.S.)	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 441.87	
Date Started Drilling Hole: — Time: —	Total Depth of Hole: —	Drilling Type: —
Date Completed Drilling Hole: — Time: —	Total Depth of Piezometer: —	Footage Slotted: —
Date Piezometer Installed: — Time: —		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
8-30-84	12:30 pm	G. Ernstmann	8.7 from T.O.P.	433.17	
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

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Observed Water Level Readings

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Project Name: WESTLAKE	Project No. 84-075-4-002	Hole No. Earth City #9
Location: Earth City, West of the landfill	Elev. Ground Surface (G.S.) approx. 436	
N E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.) 441.85	
Date Started Drilling Hole — Time —	Total Depth of Hole —	Drilling Type —
Date Completed Drilling Hole — Time —	Total Depth of Piezometer —	Footage Slotted —
Date Piezometer Installed — Time —		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
10-26-84	1:20pm	G. Ernstmann	7.4 from T.O.P.	434.45	
12-19-84	11:22am	G. Ernstmann	7.7 from T.O.P.	434.2	
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

Observed Water Level Readings

Sheet _____ of _____

Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: Earth City #12
Location: Earth City, west of the landfill	Elev. Ground Surface (G.S.)	
N / E	Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.): 440.59	
Date Started Drilling Hole: — Time: —	Total Depth of Hole: —	Drilling Type: —
Date Completed Drilling Hole: — Time: —	Total Depth of Piezometer: —	Footage Slotted: —
Date Piezometer Installed: — Time: —		

Remarks:

Date	Time	By Whom	Depth to Water*	W.L. Elev.	Remarks
8-30-84	1:00pm	G. Ernstmann	7.7 from T.O.P.	432.89	
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

TECHNICAL SERVICES
GEOTECHNICAL DEPARTMENT

Observed Water Level Readings

Sheet _____ of _____

Project Name: WESTLAKE	Project No.: 84-075-4-002	Hole No.: SMP-63
Location: Ponded surface water north of site, southwest of St. Charles Rock Road N — E —	Elev. Ground Surface (G.S.) Elev. Top at Pipe (T.O.P.) or Reference Point (R.P.)	
Date Started Drilling Hole: N.A. Time: —	Total Depth of Hole: N.A.	Drilling Type: N.A.
Date Completed Drilling Hole: N.A. Time: —	Total Depth of Piezometer: N.A.	Footage Slotted: N.A.
Date Piezometer Installed: N.A. Time: —		

Remarks:

Reference point is a rod located in the ponded water north of the site in the ditch southwest of St. Charles Rock Road. The rod is marked in increments of 0.1 foot and starts with 0.0 at the bottom and ends at approximately 12 feet at the top. The top of the rod is under water during most of the spring and early summer.

Date	Time	By Whom	~~Depth to~~ Height of Water*	W.L. Elev.	Remarks
10-15-84	12:15 pm	Bill Canney	10.21 from R.P.		
10-26-84	9:15 am	G. Ernstmann	11.05 from R.P.		
12-19-84	10:53 am	G. Ernstmann	11.4 from R.P.		
3-30-84	—	G. Ernstmann	* from —		* Reference rod is submerged in ponded water.
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		
			from		

*Depth to water noted from Ground Surface (G.S.), Top of Pipe (T.O.P.), or Reference Point (R.P.).

June 4 & 7, 1990

MONITORING WELL QUALITY SURVEY

Laidlaw Waste Systems
Bridgeton, Missouri
89L46-12

WELL #	CASING DIAM (in)	CASING MATL	CAP (Y/N)	VENTED (Y/N)	PROT. CAS. (Y/N)	PROT.CAS. MATL	STICK-UP HEIGHT (ft)	DEPTH TO WATER (ft)	DEPTH OF WELL (ft)	NOTES
I-50	2	SCH 40 PVC	Y	N	Y	5" Steel	4.00	18.53	45.60	
S-51	-	----	-	-	-	--	--	--	--	unable to locate
S-52	2	SCH 40 PVC	Y	N	N	NA	2.70	12.84	26.50	
S-53	2	SCH 40 PVC	Y	N	N	NA	3.90	14.54	24.00	old pipe
S-54	-	----	-	-	-	--	--	--	--	unable to locate
I-55	2	SCH 40 PVC	Y	N	N	NA	2.50	39.96	61.83	
I-56	2	SCH 40 PVC	Y	N	N	NA	2.60	44.20	63.05	
I-58	2	SCH 40 PVC	Y	N	N	NA	3.50	45.93	59.65	
I-59	2	SCH 40 PVC	Y	Y	Y	4" Steel	3.85	15.72	47.70	OK
S-60	-	----	-	-	-	--	--	--	--	unable to locate
S-61	2	SCH 40 PVC	Y	N	N	NA	4.55	17.33	26.20	
I-62	2	SCH 40 PVC	Y	N	Y	4" Steel	1.70	13.30	45.05	OK
I-65	2	SCH 40 PVC	Y	Y	Y	4" Steel	3.00	9.15	39.35	OK
I-66	2	SCH 40 PVC	Y	Y	Y	4" Steel	3.70	9.24	31.15	OK
I-67	2	SCH 40 PVC	Y	N	N	NA	4.60	10.21	41.20	
I-68	2	SCH 40 PVC	N	N	N	NA	2.20	17.35	40.30	bent; broken riser
I-72	2	SCH 40 PVC	Y	Y	N	NA	2.45	31.85	48.65	
I-73	2	SCH 40 PVC	Y	N	N	NA	3.20	29.94	50.70	
S-75	2	SCH 40 PVC	N	N	N	NA	3.50	25.54	30.80	glued PVC at surf
S-76	-	----	-	-	-	--	--	--	--	unable to locate
S-80	2	SCH 40 PVC	Y	N	N	NA	4.15	13.72	22.40	glued PVC at surf
D-81	2	SCH 40 PVC	Y	N	N	NA	2.85	17.19	62.85	
S-82	2	SCH 40 PVC	Y	Y	N	NA	3.00	17.78	26.40	holes in riser
D-83	2	SCH 40 PVC	Y	Y	N	NA	3.10	14.75	97.50	
S-84	2	SCH 40 PVC	Y	Y	N	NA	2.40	24.52	32.45	steel bumper posts
D-85	2	SCH 40 PVC	Y	Y	N	NA	2.55	24.71	78.75	steel bumper posts
D-87	2	SCH 40 PVC	Y	Y	N	NA	2.25	30.52	114.65	OK
S-88	2	SCH 40 PVC	Y	Y	N	NA	2.20	30.25	42.15	bent
D-89	2	SCH 40 PVC	Y	Y	N	NA	2.75	24.28	51.00	
D-90	2	SCH 40 PVC	N	N	N	NA	3.30	15.62	48.70	holes in riser
D-91	-	----	-	-	-	--	--	--	--	unable to locate
D-92	-	----	-	-	-	--	--	--	--	unable to locate
D-93	2	SCH 40 PVC	Y	Y	N	NA	2.40	16.99	114.45	broken riser
D-94	2	SCH 40 PVC	Y	Y	N	NA	3.70	9.96	110.40	OK
D-95	-	----	-	-	-	--	--	--	--	unable to locate
1201	6	OPEN HOLE	Y	N	Y	6" Steel	2.20	--	--	
1202	6	OPEN HOLE	Y	N	Y	6" Steel	2.00	--	--	
1203	6	OPEN HOLE	Y	N	Y	6" Steel	2.50	--	--	plugged at 115'

Table 1

GROUND WATER ELEVATION DATA
Earth City/Corporate Woods Business Parks
Earth City/Bridgeton, Missouri

Well No.	Top of Well Casing Elevation, ft.	Depth from Top of Well Casing to Ground Water, ft.	Ground Water Elevation, ft.
DM-1	447.7	9.5	438.2
DM-2	449.0	11.4	437.6
DM-3	441.2	4.9	436.3
DM-4	441.9	5.5	436.4
DM-5	440.2	4.0	436.2
CW-1	448.0	9.7	438.3
CW-2	445.6	6.9	438.1
CW-3	445.3	7.2	438.1
CW-4	440.6	3.2	437.4
EC-1	446.9	5.2	441.7
EC-2	447.1	5.0	442.1
EC-3	444.0	5.2	438.8

NOTES

1) Readings obtained on May 17, 1993.

2) Well label legend:

Well Prefix	Description
DM	Dames & Moore observation well along the west side of Laidlaw Landfill
CW	Corporate Woods (North) relief well along the toe of the flood protection levee
EC	Earth City relief well along the toe of the flood protection levee

Table 1
Summary of Fluid Elevations

Well/ Sump	Dates							
	5/12/93	5/13/93	5/21/93	5/24/93	5/26/93	5/28/93	6/15/93	6/18/93
LCS-1			315.20	324.27	325.05	299.60		310.60
LCS-2			303.09	317.94	315.84			276.24
LCS-3			315.14	323.24	324.24	327.59		291.79
LCS-4			318.21	319.01	318.94	319.97		307.56
GC-3			297.06	307.46	308.51			297.66
MW-1201		343.72	340.99	344.82	345.55		347.04	341.19
MW-1204	295.78	295.83	297.39	312.67	311.31		294.85	
MW-1205	329.84	329.94	272.07		285.71	290.42	318.09	
MW-1206	334.73	337.72	333.43		332.73	332.83	334.49	
MW-I-73								436.21
MW-F1S								436.35
MW-F1D								436.33

Blank denotes no reading

Notes: Wells 1201, 1204, 1205 and 1206 were sampled on 5/13 & 14/93
LCS denotes leachate collection sump
GC denotes gas collection manhole
MW denotes groundwater monitoring well

Table 2-7
Monthly Groundwater Monitoring Depth to Water
West Lake Landfill, Bridgeton, Missouri

Well	Northing	Easting	Reference Point Elevation (Feet, MSL)	Depth to Water (Feet below TOC)															
				1994		1995											1996		
				Nov. 22, 23, 28	December 29	January 30	March 3	March 30	April 28	May 26	June 30	July 28, Aug. 3*	Aug 31	Oct. 2	Oct. 31	Nov. 30	Jan. 5	April 2	July 5
Shallow Wells																			
S-1	1069685.83	514205.01	446.51	—	—	—	—	—	—	—	—	—	12.26	13.75	14.38	14.88	15.62	16.94	12.01
S-5	1069155.84	515901.03	468.65	—	—	—	—	—	—	—	—	—	34.2	35.78	36.51	36.84	37.62	38.96	34.02
S-8	1071044.35	514724.16	444.03	—	—	—	—	—	—	—	—	—	—	—	11.85	12.52	13.19	14.50	9.11
S-10	1069827.87	514931.35	480.28	—	—	—	—	—	—	—	—	—	—	47.37	48.16	48.61	49.17	50.85	45.71
S-51	1066161.31	514320.72	449.57	18.77	18.66	17.81	18.22	18.2	17.81	13.38	14.41	14.81	15.54	16.74	17.42	17.46	17.98	19.09	15.43
S-53	1066871.02	514496.97	447.95	17.27	17.37	16.47	16.93	16.86	16.30	12.57	12.99	13.06	13.77	15.17	15.89	17.97	16.65	18.04	casing damaged
S-61	1070159.98	514580.24	449.78	19.55	19.61	18.73	19.00	18.97	18.51	13.36	13.86	—	15.27	16.76	17.51	18.18	18.93	20.29	15.08
S-75	1067250.41	514718.75	462.08	29.92	30.05	29.12	29.85	29.42	29.22	25.31	26.61	26.88	27.41	28.91	29.56	29.81	29.90	29.89	27.23
S-80	1065191.77	513858.35	453.11	19.15	18.97	17.48	16.96	16.17	16.28	12.70	13.91	14.69	14.85	15.82	16.55	17.77	18.87	18.99	abandoned
S-82	1069311.99	514272.95	450.18	19.82	19.88	19.05	19.35	19.32	18.71	14.19	14.80	15.02	15.91	17.40	18.11	18.43	19.15	20.61	15.69
S-84	1069633.39	516439.68	456.23	26.59	26.60	25.67	25.92	25.89	25.68	20.37	20.88	21.49	22.26	23.92	24.67	25.21	25.87	27.07	22.15
S-88	1068398.39	515234.03	462.76	32.18	32.44	31.51	29.41	31.9	31.43	27.23	27.62	27.73	28.60	30.01	30.72	29.95	31.71	33.11	28.43
MW-F1S	1068603.00	515865.35	461.35	31.11	31.00	30.26	30.42	30.42	30.05	25.74	26.05	26.32	27.06	28.52	29.26	29.58	30.31	31.69	26.99
MW-101	1070830.48	514424.00	446.83	16.68	16.73	15.91	16.13	16.11	15.67	10.51	—	—	12.20	13.91	14.67	15.29	16.04	17.37	12.02
MW-102	1070095.01	514532.93	448.18	17.95	18.00	17.18	17.41	17.38	16.91	11.64	12.31	12.81	13.70	15.32	16.06	18.58	17.16	18.67	13.47
MW-103	1068628.37	514334.35	440.31	9.72	9.91	9.01	9.43	9.37	8.79	5.15	5.39	5.34	6.22	7.57	8.25	8.49	9.26	10.61	6.51
MW-104	1067525.17	514339.01	440.96	10.33	10.43	9.48	9.98	9.93	9.33	5.72	6.11	6.13	6.95	8.27	8.95	9.06	9.71	11.11	6.78
MW-106	1065955.75	513616.92	443.78	12.85	12.90	12.28	12.45	12.44	12.07	8.39	8.36	8.56*	9.27	casing damaged	NM	NM	NM	NM	NM
MW-107	1064670.74	513601.12	448.14	5.13	5.44	4.53	5.36	5.1	5.26	—	4.71	5.57	6.06	8.39	9.07	6.36	5.99	5.68	6.17
MW-F3	1070489.80	515819.83	469.23	38.96	38.97	38.09	38.00	38.29	38.06	32.31	32.94	36.62	34.47	36.21	37.02	37.61	38.39	39.60	34.33
Intermediate Depth Wells																			
I-2	1069698.26	514212.18	446.41	—	—	—	—	—	—	—	—	—	12.03	13.68	14.31	14.76	15.47	16.90	11.92
I-4	1069148.42	515889.5	468.57	—	—	—	—	—	—	—	—	—	34.19	35.75	36.45	38.85	37.62	38.92	33.96
I-7	1070743.05	514299.87	446.97	—	—	—	—	—	—	—	—	—	12.41	14.10	14.87	15.43	16.15	17.52	12.18
I-9	1069329.26	514268.59	450.99	—	—	—	—	—	—	—	—	—	—	—	18.79	19.2	19.98	21.40	16.52
I-11	1069819.16	514925.06	480.27	—	—	—	—	—	—	—	—	—	—	—	48.14	48.61	49.35	50.75	45.69
I-50	1065190.32	513831.96	453.66	22.02	22.27	21.26	21.76	21.65	21.13	16.60	17.40	19.96	18.74	20.27	21	21.03	21.57	23.05	abandoned
I-62	1070938.26	514647.31	446.21	15.99	16.07	15.19	15.47	15.42	15.03	9.87	9.90	10.34*	11.55	13.02	13.78	14.71	15.36	16.71	11.34
I-65	1070953.26	515333.39	441.82	11.6	11.70	10.83	11.00	11.03	10.66	5.25	7.35	8.12	7.04	8.81	9.66	10.3	11.06	12.31	6.87
I-66	1070604.09	515851.01	441.91	11.61	11.66	10.78	11.00	10.95	10.61	5.18	5.56	6.26	7.11	8.83	9.69	10.32	11.04	12.28	6.98
I-67	1070101.57	516244.09	441.90	11.54	11.57	10.63	10.93	10.97	10.65	5.06	5.65	6.31	7.11	8.81	9.61	10.23	10.87	12.16	7.03
I-68	1069571.49	516686.36	450.50	20.16	20.10	19.05	19.44	19.45	19.24	13.94	14.52	16.16	15.91	17.52	18.29	18.8	19.45	20.64	15.74
I-73	1067695.45	515570.09	461.39	31.46	31.68	30.80	31.12	31.9	30.69	26.04	27.15	27.25	27.97	29.39	30.12	30.31	31.00	32.35	28.87
Deep Wells																			
D-3	1069136.26	515871.62	470.32	—	—	—	—	—	—	—	—	—	35.92	37.49	38.21	38.63	39.43	40.70	35.74
D-6	1070194.31	514549.5	447.6	—	—	—	—	—	—	—	—	—	13.23	14.82	15.5	16.09	16.77	18.16	12.99
D-12	1069836.29	514936.08	479.91	—	—	—	—	—	—	—	—	—	—	—	48	48.32	48.98	50.42	45.33
D-13	1070485.74	515601.73	471.1	—	—	—	—	—	—	—	—	—	—	—	38.94	39.48	40.19	41.49	36.21
D-14	1068947.16	516523.17	487.77	—	—	—	—	—	—	—	—	—	—	—	0	NM	58.62	59.69	56.21
D-81	1067338.19	514463.68	451.00	20.3	20.39	19.56	19.95	19.95	19.29	15.62	16.08	16.14	16.91	18.24	18.95	19.04	19.71	21.11	16.78
D-83	1070930.4	514633.64	448.48	18.29	18.40	17.50	17.82	17.76	17.27	12.17	12.16	12.61*	13.88	15.70	16.41	17.01	17.77	19.01	13.72
D-85	1069626.55	516430.42	457.13	26.82	26.77	25.87	26.12	26.13	25.89	20.60	21.11	21.71	22.48	24.13	24.87	25.42	26.11	27.39	22.39
D-87	1069211.46	515404.82	463.05	32.81	32.82	31.96	32.19	32.2	31.81	27.10	27.57	27.86	28.69	30.28	30.96	31.36	32.11	33.54	28.60
D-93	1069317.89	514269.69	448.62	19.66	19.74	18.92	19.22	19.18	18.58	14.02	14.67	14.83	15.79	17.25	18.01	18.34	19.06	20.51	15.59
MW-F1D	1068608.68	515860.04	461.63	31.42	31.31	30.51	30.70	30.78	30.41	26.04	26.34	26.61	27.36	28.86	29.6	29.88	30.62	32.02	27.29
Staff Gages																			
1	1071100.73	514883.10	438.57	—	—	—	—	—	—	—	4.2	3.25	2.35	—	1.5	Dry	Dry	Dry	2.30
2	1071107.71	514878.03	438.84	—	—	—	—	—	—	—	3.95	3.05	2.1	—	1.25	Dry	Dry	Dry	2.25
3	1071249.28	514645.19	440.73	—	—	—	—	—	—	—	1.98	1.05	< 0.5	—	3.2	Dry	Dry	Dry	Dry
4	1071253.42	514635.63	441.05	—	—	—	—	—	—	—	1.7	0.80	< 0.5	—	2.95	Dry	Dry	Dry	Dry
5	1070745.51	515414.94	460.94	—	—	—	—	—	—	—	—	—	—	—	Dry	Dry	Dry	Dry	Dry
6	1069471.76	514096.61	437.28	—	—	—	—	—	—	—	2.18	2.64	1.55	—	0.25	0.7	Dry	Dry	1.75
7	1069480.90	514091.25	437.01	—	—	—	—	—	—	—	2.45	2.95	1.8	0.30	0	1	Dry	Dry	2.00

NM = Not Measured

Table 2-8
Monthly Groundwater Monitoring Elevation Data
West Lake Landfill, Bridgeton, Missouri

Well	Northing	Easting	Reference Point Elevation (Feet, MSL)	Groundwater Elevation (Feet, MSL)															
				1994		1995											1996		
				November	December	January	February	March	April	May	June	July	August	September	October	November	January	April	July
Shallow Wells																			
S-1	1069685.83	514205.01	446.51	—	—	—	—	—	—	—	—	—	434.25	432.76	432.13	431.63	430.89	429.57	434.50
S-5	1069155.84	515901.03	468.65	—	—	—	—	—	—	—	—	—	434.45	432.87	432.14	431.81	431.03	429.69	434.63
S-8	1071044.35	514724.16	444.03	—	—	—	—	—	—	—	—	—	—	—	432.18	431.51	430.84	429.53	434.92
S-10	1069827.87	514931.35	480.28	—	—	—	—	—	—	—	—	—	—	432.91	432.12	431.67	431.11	429.43	434.57
S-51	1066161.31	514320.72	449.57	430.8	430.91	431.76	431.35	431.37	431.76	436.19	435.16	434.76	434.03	432.83	432.15	432.11	431.59	430.48	434.14
S-53	1066871.02	514496.97	447.95	430.68	430.58	431.48	431.02	431.09	431.65	435.38	434.96	434.89	434.18	432.78	432.06	429.98	431.30	429.91	casing damaged
S-61	1070159.98	514580.24	449.78	430.23	430.17	431.05	430.78	430.81	431.27	436.42	435.92	—	434.51	433.02	432.27	431.6	430.85	429.49	434.70
S-75	1067250.41	514718.75	462.08	432.16	432.03	432.96	432.23	432.66	432.86	436.77	435.47	435.20	434.67	433.17	432.52	432.27	432.18	432.19	434.85
S-80	1065191.77	513858.35	453.11	433.96	434.14	435.63	436.15	436.94	436.83	440.41	439.20	438.42	438.26	437.29	436.56	435.34	434.24	434.12	abandoned
S-82	1069311.99	514272.95	450.18	430.36	430.30	431.13	430.83	430.86	431.47	435.99	435.38	435.16	434.27	432.78	432.07	431.75	431.03	429.57	434.49
S-84	1069633.39	516439.68	456.23	429.64	429.63	430.56	430.31	430.34	430.55	435.86	435.35	434.74	433.97	432.31	431.56	431.02	430.36	429.16	434.08
S-88	1068398.39	515234.03	462.76	430.58	430.32	431.25	433.35	430.86	431.33	435.53	435.14	435.03	434.16	432.75	432.04	432.81	431.05	429.65	434.33
MW-F1S	1068603.00	515865.35	461.35	430.24	430.35	431.09	430.93	430.93	431.30	435.61	435.30	435.03	434.29	432.83	432.09	431.77	431.04	429.66	434.36
MW-101	1070830.48	514424.00	446.83	430.15	430.10	430.92	430.70	430.72	431.16	436.32	—	—	434.63	432.92	432.16	431.54	430.79	429.46	434.81
MW-102	1070095.01	514532.93	448.18	430.23	430.18	431.00	430.77	430.8	431.27	436.54	435.87	435.37	434.48	432.86	432.12	429.6	431.02	429.51	434.71
MW-103	1068628.37	514334.35	440.31	430.59	430.40	431.30	430.88	430.94	431.52	435.16	434.92	434.97	434.09	432.74	432.06	431.82	431.05	429.7	433.80
MW-104	1067525.17	514339.01	440.96	430.63	430.53	431.48	430.98	431.03	431.63	435.24	434.85	434.83	434.01	432.69	432.01	431.9	431.25	429.85	434.18
MW-106	1065955.75	513616.92	443.78	430.93	430.88	431.50	431.33	431.34	431.71	435.39	435.42	435.22	434.51	—	NM	NM	NM	NM	NM
MW-107	1064670.74	513601.12	448.14	443.01	442.70	443.61	442.78	443.04	442.88	—	443.43	442.57	442.08	439.75	439.07	441.78	442.15	442.46	441.97
MW-F3	1070489.80	515819.83	469.23	430.27	430.26	431.14	431.23	430.94	431.17	436.92	436.29	432.61	434.76	433.02	432.21	431.62	430.84	429.63	434.90
Intermediate Depth Wells																			
I-2	1069698.26	514212.18	446.41	—	—	—	—	—	—	—	—	—	434.38	432.73	432.1	431.65	430.94	429.51	434.49
I-4	1069148.42	515889.5	468.57	—	—	—	—	—	—	—	—	—	434.38	432.82	432.12	429.72	430.95	429.65	434.61
I-7	1070743.05	514299.87	446.97	—	—	—	—	—	—	—	—	—	434.56	432.87	432.1	431.54	430.82	429.45	434.79
I-9	1069329.26	514268.59	450.99	—	—	—	—	—	—	—	—	—	—	—	432.2	431.79	431.01	429.59	434.47
I-11	1069819.16	514925.06	480.27	—	—	—	—	—	—	—	—	—	—	—	432.13	431.66	430.92	429.52	434.58
I-50	1065190.32	513831.96	453.66	431.64	431.39	432.40	431.90	432.01	432.53	437.06	436.26	433.70	434.92	433.39	432.66	432.63	432.09	430.61	abandoned
I-62	1070938.26	514647.31	446.21	430.22	430.14	431.02	430.74	430.79	431.18	436.34	436.31	435.87	434.66	433.19	432.43	431.5	430.85	429.5	434.87
I-65	1070953.26	515333.39	441.82	430.22	430.12	430.99	430.82	430.79	431.16	436.57	434.47	433.70	434.78	433.01	432.16	431.52	430.76	429.51	434.95
I-66	1070604.09	515851.01	441.91	430.3	430.25	431.13	430.91	430.96	431.30	436.73	436.35	435.65	434.80	433.08	432.22	431.59	430.87	429.63	434.93
I-67	1070101.57	516244.09	441.90	430.36	430.33	431.27	430.97	430.93	431.25	436.84	436.25	435.59	434.79	433.09	432.29	431.67	431.03	429.74	434.87
I-68	1069571.49	516686.36	450.50	430.34	430.40	431.45	431.06	431.05	431.26	436.56	435.98	434.34	434.59	432.98	432.21	431.7	431.05	429.86	434.76
I-73	1067695.45	515570.09	461.39	429.93	429.71	430.59	430.27	429.49	430.70	435.35	434.24	434.14	433.42	432.00	431.27	431.08	430.39	429.04	432.52
Deep Wells																			
D-3	1069136.26	515871.62	470.32	—	—	—	—	—	—	—	—	—	434.40	432.83	432.11	431.69	430.89	429.62	434.58
D-6	1070194.31	514549.5	447.6	—	—	—	—	—	—	—	—	—	434.37	432.78	432.1	431.51	430.83	429.44	434.61
D-12	1069836.29	514936.08	479.91	—	—	—	—	—	—	—	—	—	—	—	431.91	431.59	430.93	429.49	434.58
D-13	1070485.74	515601.73	471.1	—	—	—	—	—	—	—	—	—	—	—	432.16	431.62	430.91	429.61	434.89
D-14	1068947.16	516523.17	487.77	—	—	—	—	—	—	—	—	—	—	—	Dry	NM	429.15	428.08	431.56
D-81	1067338.19	514463.68	451.00	430.7	430.61	431.44	431.05	431.05	431.71	435.38	434.92	434.86	434.09	432.76	432.05	431.96	431.29	429.89	434.22
D-83	1070930.4	514633.64	448.48	430.19	430.08	430.98	430.66	430.72	431.21	436.31	436.32	435.87	434.60	432.78	432.07	431.47	430.71	429.47	434.76
D-85	1069626.55	516430.42	457.13	430.31	430.36	431.26	431.01	431	431.24	436.53	436.02	435.42	434.65	433.00	432.26	431.71	431.02	429.74	434.74
D-87	1069211.46	515404.82	463.05	430.24	430.23	431.09	430.86	430.85	431.24	435.95	435.48	435.19	434.36	432.77	432.09	431.69	430.94	429.51	434.45
D-93	1069317.89	514269.69	448.62	428.96	428.88	429.70	429.40	429.44	430.04	434.60	433.95	433.79	432.83	431.37	430.61	430.28	429.56	428.11	433.03
MW-F1D	1068608.68	515860.04	461.63	430.21	430.32	431.12	430.93	430.85	431.22	435.59	435.29	435.02	434.27	432.77	432.03	431.75	431.01	429.61	434.34
Staff Gages																			
1	1071100.73	514883.10	438.57	—	—	—	—	—	—	—	437.27	436.32	435.42	—	434.57	—	—	—	435.37
2	1071107.71	514878.03	438.84	—	—	—	—	—	—	—	437.29	436.39	435.44	—	434.59	—	—	—	435.59
3	1071249.28	514645.19	440.73	—	—	—	—	—	—	—	437.21	436.28	—	—	438.43	—	—	—	—
4	1071253.42	514635.63	441.05	—	—	—	—	—	—	—	437.25	436.35	—	—	438.5	—	—	—	—
5	1070745.51	515414.94	460.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	1069471.76	514096.61	437.28	—	—	—	—	—	—	—	433.96	434.42	433.33	—	432.03	432.48	—	—	433.53
7	1069480.90	514091.25	437.01	—	—	—	—	—	—	—	433.96	434.46	433.31	431.81	—	432.51	—	—	433.51

NM = Not Measured

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TABLE 4-2
GROUNDWATER ELEVATION SUMMARY
BRIDGETON ACTIVE SANITARY LANDFILL

Piezometer	Date			
	6/27/95	7/10/95	7/26/95	8/26/95
	Groundwater Elevation			
Shallow Alluvial Piezometers				
PZ-112-AS	436.12	435.27	435.12	434.67
PZ-113-AS	435.64	435.44	435.30	434.63
PZ-114-AS	435.94	435.59	435.35	434.90
PZ-205-AS	434.41	434.40	434.33	434.06
PZ-207-AS	435.94	435.41	435.41	434.91
MW-F1S	436.30	NA	435.03	434.29
S-75	435.47	NA	435.20	434.67
S-84	435.35	NA	434.74	433.97
S-88	435.14	NA	435.03	434.16
Deep Alluvial Piezometer				
PZ-113-AD	435.68	435.47	435.13	433.74
St. Louis/Upper Salem Hydrologic Unit Piezometers				
PZ-100-SS	405.36	415.59	416.06	415.23
PZ-101-SS	393.23	394.34	394.58	393.37
PZ-102-SS	413.54	416.50	NA	NA
PZ-102R-SS	403.09	418.31	424.30	424.87
PZ-103-SS	363.03	353.33	373.02	363.73
PZ-104-SS	340.67	345.78	360.04	366.22
PZ-105-SS	336.26	336.35	339.83	352.45
PZ-106-SS	359.72	357.56	357.60	364.20
PZ-107-SS	434.52	428.41	434.30	434.00
PZ-108-SS	368.99	367.58	368.99	367.02
PZ-109-SS	370.70	373.01	373.74	360.45
PZ-110-SS	413.76	433.30	433.53	433.27
PZ-113-SS	435.70	435.54	435.23	434.79
PZ-115-SS	426.75	426.58	424.83	424.18
PZ-116-SS	NA	347.42	346.79	356.46
PZ-200-SS	415.05	415.48	415.45	415.59
PZ-201-SS	456.42	456.42	455.53	454.86
PZ-201A-SS	415.03	415.03	414.63	414.38
PZ-202-SS	444.36	445.00	444.78	444.14

Notes provided on Page 2

TABLE 4-2
GROUNDWATER ELEVATION SUMMARY
BRIDGETON ACTIVE SANITARY LANDFILL

Piezometer	Date			
	6/27/95	7/10/95	7/26/95	8/26/95
	Groundwater Elevation			
PZ-203-SS	375.33	374.97	(DRY)	(DRY)
PZ-204-SS	442.82	442.32	441.49	438.10
PZ-204A-SS	NA	399.36	405.65	405.53
PZ-205-SS	424.46	424.22	424.04	423.45
PZ-206-SS	420.04	419.57	419.04	418.22
PZ-208-SS	NA	436.77	436.44	435.60
PZ-1201-SS	NA	427.32	392.33	365.30
MW-1204	333.83	336.19	330.01	357.27
MW-1205	352.28	355.99	357.38	296.81
MW-1206	368.19	367.91	367.12	367.86
Deep Salem Piezometers				
PZ-100-SD	394.61	398.79	370.68	381.79
PZ-104-SD	359.05	358.46	356.64	362.97
PZ-106-SD	358.64	357.31	353.52	361.98
PZ-111-SD	373.70	408.06	423.87	428.55
Keokuk Piezometers				
PZ-100-KS	438.17	438.85	438.93	437.84
PZ-104-KS	444.63	444.76	444.74	444.27
PZ-106-KS	442.18	442.51	442.51	442.48
PZ-111-KS	441.58	441.78	441.91	442.01

NOTES:

NA = Not available, water level data was not collected on the indicated date either because the piezometer had not yet been installed, development was not completed, or the piezometer was inactive.

PZ-102-SS was replaced by PZ-102R-SS, and is inactive.

All elevations provided in feet above Mean Sea Level (MSL)

Water level data for monitoring wells MW-F1S, S-75, S-84, and S-88 were collected by McLaren/Hart on June 30, July 28, and August 31, 1995.

WATER LEVEL DATA

WELL LOCATION PZ-100-KS MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
1/4/96	1301	electrode	50.95	JDR			WH	Depths N side
2/6/96	1035	" "	50.54	"			MS	
3/4/96	1715	" "	51.68	"			MS	
4/3/96	0904	" "	49.93	"			MS	
4/30/96	1101	" "	50.89	"			WH	
5/1/96	1255	" "	50.55	"			WH	
5/2/96	1503	" "	50.36	"			WH	
5/3/96	1423	" "	50.08	"			WH	
6/13/96	1224	" "	46.80	"			MS	
7/12/96	1453	" "	46.29	"			MS	
8/8/96	1201	" "	46.14	"			MS	
9/6/96	1212	" "	46.25	"			MS	
2/4/97	0845	" "	43.88	"			SM	
5/9/97	1240	" "	41.76	"			JDR	
8/11/97	1044	" "	43.03	"			JDR	
11/6/97	0756	" "	42.99	"			JDR	
2/10/98	1456	" "	39.80	"			DTS	
5/26/98	1332	" "	37.61	"			JDR	
11/9/98	1200	"	37.89	"			BFP	
5/14/99	1422	"	22.97	"			BFP	
5/22/00	0931	"	35.30	"			MAM	

Golder Associates

PZ-100-KS

WATER LEVEL DATA

WELL LOCATION PZ-100-SD MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
1/4/96	1325	elec probe	130.78	TOPVC			WH	weight hole S side
2/6/96	1038	" "	122.81	"			MS	
3/4/96	1716	" "	128.09	"			MS	
4/3/96	0901	" "	112.94	"			MS	double checked w.l.
4/30/96	1058	" "	125.03	"			WH	
5/1/96	1253	" "	121.27	"			WH	
5/2/96	1501	" "	119.29	"			WH	
5/3/96	1421	" "	118.00	"			WH	
6/13/96	1222	" "	109.89	"			MS	
7/12/96	1451	" "	118.78	"			MS	
8/8/96	1205	" "	118.26				MS	
8/23/96	0845	" "	118.92	"			MS	
8/23/96		dw't -	purged	to 189.30				
8/26/96	0915	" "	117.34	"			MS	
9/6/96	1216	" "	118.69	"			MS	
2/4/97	0843	" "	106.88	"			SM	
5/9/97	1237	" "	91.46	"			JDR	
8/11/97	1045	" "	102.60	"			JDR	
11/6/97	0754	" "	101.05	"			JDR	
2/9/98	1217	" "	76.71	"			DB	double checked w.l.
5/26/98	1329	" "	83.76	"			JDR	
11/9/98	1203	"	72.96	"			BFP	
5/14/99	1420		55.29				BFP	
5/22/00	0930	"	57.87	"			MAM	

Golder Associates

PZ 100-SD

WATER LEVEL DATA

WELL LOCATION PZ-100-55 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12								
12/24/95	1418	elec. probe	73.33	TOPVC			MS	
12/26/95	1016	" "	72.33	TOPVC			MS	
12/31/95	1350	" "	72.20	TOPVC			MS	
1/4/96	1323	" "	72.21	TOPVC			WH	[illegible]
2/6/96	1041	" "	72.38	"			MS	
3/4/96	1712	" "	72.64	TOPVC			MS	
4/3/96	0859	" "	72.97	"			MS	Lock on but not locked
4/30/96	1056	" "	73.10	"			WH	
5/1/96	1251	" "	73.05	"			WH	
5/2/96	1458	" "	73.03	"			WH	
5/3/96	1418	" "	73.01	"			WH	
6/13/96	1220	" "	72.74	"			MS	
7/12/96	1448	" "	72.90	"			MS	
8/8/96	1209	" "	73.19	"			MS	
8/26/96	0915	" "	73.23	"			MS	
8/26/96		don't pump!	97.76				MS	
9/6/96	1219	" "	74.68	"			MS	
2/4/97	0850	" "	86.46	"			SM	
5/9/97	1235	" "	71.94	"			JDR	
8/11/97	1047	" "	73.03	"			JDR	
11/6/97	0752	" "	72.56	"			JDR	
2/9/98	1215	" "	70.04	"			DB	
5/26/98	1326	" "	63.07	"			JDR	
11/9/98	1204	"	69.20	"			BFP	
5/14/99	1417	"	56.48				BFP	
5/22/00	0927	"	60.29	"				

LOCATION

PROJECT

Golder Associates

PZ-100-55

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-101-SS

MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
6/13/96	1227	Elec. Probe	99.21	TOPVC			MS	
7/12/96	1456	" "	89.60	"			MS	
8/8/96	1137	" "	89.03	"			MS	
9/6/96	1223	" "	88.60	"			MS	
2/4/97	0842	" "	72.38	"			SM	
5/9/97	1228	" "	72.36	"			JDR	
8/11/97	1037	" "	82.77	"			JDR	
11/6/97	0747	" "	85.06	"			JDR	
2/10/98	1452	" "	79.88	"			DTS	
5/28/98	1320	" "	73.50	"			PDR	
11/9/98	1143		76.33				BFP	
5/14/99	1332	"	57.07	"			BFP	
11/22/99	1445	"	67.46	"			BFP	
5/22/00	0945	"	58.52	"			MAM	

LOCATION _____

PROJECT _____

Golder Associates

PZ-101-SS

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-102-SS MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2-26-95	1915	Elec. Probe	29.73	bgs corehole			BT	
2-28-95	1600	"	29.66	bgs-corehole			"	
3-1-95	1345	"	32.71	" "			"	
3-6-95	1345		29.66'	" "			BT	
3-25-95	1028	" "	72.34	TOPVC			WH	
3/29/95	0805	" "	74.26	TOC				
4/9/95	1706	" "	73.81	TOR			SDM	cap not vented
4/21/95	0830	" "	73.66	TOR			MDA	Cap vented
5/5/95	1630	" "	72.81	TOR			MDA	
5/17/95	0810	" "	76.68	TOPVC			AK	
5-23-95	1156	" "	86.57	TOPVC			AK	
5-24-95	1327	" "	87.19	TOPVC			AK	
5-30-95	0705	" "	81.03	TOPVC			AK	
6-1-95	0739	" "	86.81	TOPVC			AK	
6-7-95	0809	" "	84.80	TOPVC			AK	
6/27/95	0726	" "	70.31	TOPVC			AK	
7/10/95	1428	" "	67.35	TOPVC			AK	
12/13/95	1550	" "	78.10	TOPVC			TAK	
1/4/96	1352	" "	78.20	TOPVC			WH	[illegible]
2/6/96	1059	" "	79.15	"			MS	
3/4/96	1604	" "	79.24	"			MS	
4/3/96	0915	" "	79.32	"			MS	
4/30/96	1116	" "	79.70	"			WH	
5/1/96	1306	" "	79.81	"			WH	
5/2/96	1512	" "	79.90	"			WH	
5/3/96	1433	" "	79.94	"			WH	
6/13/96	1233	" "	78.92	"			MS	
7/12/96	1505	" "	78.94	"			MS	
8/8/96	1140	" "	78.85	"			MS	
9/6/96	1227	" "	79.17	"			MS	
2/4/97	0905	" "	71.30	"			SM	

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PZ-102-SS

Water Level Data

Well: PZ-102-SS

Well Location PZ-102-SS

Measuring Point

Elevation: Measuring Point

Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/9/97	1221	elec. probe	71.09	TOPVC			JDR	
8/11/97	1010	"	76.60	"			JDR	
11/6/97	0737	"	72.60	"			JDR	
2/10/98	1442	"	62.62	"			DJB	
5/26/98	1307	"	71.87	"			JDR	
11/9/98	1137	"	66.09	"			BFP	
5/14/99	1322	"	54.06				BFP	
11/19/99	1155	"	59.64				BFP	
5/22/00	0800		56.50				MAM	

WELL or DATE _____

PZ-102R-SS

WATER LEVEL DATA

WELL LOCATION _____ MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
6/27/95	0722	ELECPROBE	82.49	TOPVC			AK	
7/10/95	1424	" "	87.22	TOPVC			AK	
8/15/95	947	" "	66.25	TOPVC			AK	
8/26/95	0445	" "	60.71	TOPVC			AK	
9/30/95	1121	" "	62.78	TOPVC			AK	
10/28/95	1342	" "	63.59	TOPVC			AK	
11/18/95	1402	" "	63.95	TOPVC			AK	
12/13/95	1543	" "	64.80	TOPVC			AK	
1/4/96	1347	" "	64.99	TOPVC			WH	WL 2.55
2/6/96	1058	" "	66.09	"			MS	
3/4/96	1606	" "	66.33	"			MS	
4/3/96	0917	" "	66.67	"			MS	
4/30/96	1118	" "	67.26	"			WH	
5/1/96	1308	" "	67.28	"			WH	
5/2/96	1514	" "	67.36	"			WH	
5/3/96	1435	" "	67.34	"			WH	
6/13/96	1235	" "	66.00	"			MS	
7/12/96	1509	" "	64.98	"			MS	
8/8/96	1143	" "	64.32	"			MS	
8/22/96	0930	" "	64.79	"			MS	
8/22/96	low'd	- pumped	to 89.81				MS	
8/26/96	1020	" "	78.38	"			MS	
9/6/96	1230	" "	65.54	"			MS	
2/4/97	0900	" "	61.38	"			BM	
5/9/97	1219	" "	61.12	"			JDR	
8/11/97	1013	" "	81.96	"			JDR	
11/6/97	0739	" "	84.51	"			JDR	
2/9/98	1209	" "	56.53	"			DB	
5/26/98	1310	" "	56.73	"			JDR	
11/9/98	1140	"	55.49	"			BFP	
5/14/99	1335	"	49.78	"			BFP	
11/19/99	1156	"	50.11	"			BFP	
5/22/00	0903	"	48.28	"			MAM	

LOCATION _____

PROJECT _____

Golder Associates

PZ-102R-SS

WATER LEVEL DATA

WELL LOCATION PZ-103-SS MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
1/4/96	1410	electric	118.70	TOPVC			WH	well capped
2/6/96	1110	" "	117.87	"			MS	
3/4/96	1616	" "	118.16	"			MS	
4/3/96	0937	" "	117.32	"			MS	Not logged (line on)
4/30/96	1123	" "	116.04	"			WH	
5/1/96	1312	" "	116.11	"			WH	
5/2/96	1518	" "	116.30	"			WH	
5/3/96	1440	" "	116.46	"			WH	
6/13/96	1248	" "	115.73	"			MS	
7/12/96	1529	" "	116.75	"			MS	
8/8/96	1148	" "	116.60	"			MS	
9/6/96	1240	" "	116.68	"			MS	
2/4/96	0930	" "	108.38	"			SM	
6/9/97	1212	" "	104.78	"			JDR	
8/11/97	1018	" "	107.56	"			JDR	
11/6/97	0731	" "	100.52	"			JDR	
2/10/98	1135	" "	86.62	"			DTS	
5/26/98	1254	" "	92.78	"			PDR	
11/9/99	1128	"	86.68	"			BFP	
5/14/99	1400	"	50.12	"			BFP	
11/19/99	1147	"	74.13	"			BFP	
5/22/00	0911	"	63.40	"			MAM	

Golder Associates

PZ-103-SS

WELL or DATE _____

WATER LEVEL DATA

PZ-104-KS

WELL LOCATION _____ MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
6/26/95	0823	ELECPROBE	39.39	TOPVC			AK	
6/27/95	1005	" "	39.41	TOPVC			AK	
7/10/95	1139	" "	39.28	TOPVC			AK	
7/26/95	1141	" "	39.30	TOPVC			AK	
8/15/95	914	" "	39.19	TOPVC			AK	
8/26/95	1111	" "	39.77	TOPVC			AK	
9/30/95	1025	" "	42.06	TOPVC			AK	
10/28/95	1150	" "	43.05	TOPVC			AK	
11/18/95	1210	" "	43.27	TOPVC			AK	
12/13/95	1435	" "	43.62	TOPVC			TAC	
12/20/95	1247	" "	43.95	TOPVC			GWT	
12/24/95	1436	" "	43.82	TOPVC			AS	
12/26/95	1030	" "	43.68	TOPVC			MDS	
12/31/95	1402	" "	43.60	"			MS	
1/4/96	1444	"	43.80	TOPVC			WH	No water
1/15/96		weep hole drilled - Sealed						
2/16/96	0825	" "	40.94	TOPVC			MS	
3/5/96	1522	" "	42.30	"			WH	
4/2/96	1408	" "	41.10	"			MS	
4/30/96	0857	" "	41.23	"			WH	
5/1/96	1007	" "	40.98	"			WH	
5/2/96	1240	" "	40.84	"			WH	
5/3/96	1153	" "	40.69	"			WH	
6/13/96	1111	" "	36.69	"			MS	
7/12/96	1304	" "	36.64	"			MS	
8/8/96	0953	" "	36.10	"			MS	
9/6/96	1016	" "	36.97	"			MS	
1/4/97	1113	" "	35.24	"			SW	
5/9/97	1103	" "	32.89	"			JDR	
8/11/97	1304	" "	34.16	"			JDR	
11/6/97	1048	" "	34.42	"			JDR	

LOCATION _____

PROJECT _____

Golder Associates

PZ-104-KS

Water Level Data

Well: PZ-104-KS

Well Location

Measuring Point

Elevation: Measuring Point

Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/26/98	1555	elecprobe	29.04	Top PVC			FDR	
11/9/99	1607	"	29.41	"			BFP	
5/14/99	1217	"	25.61	"			BFP	
11/19/99	1445	"	29.81	"			BFP	
5/22/00	1452	"	28.26	"			MAM	

PZ-104-KS

WELL or DATE _____

PZ-104-SD

WATER LEVEL DATA

WELL LOCATION _____ MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
6/26/95	818	ELEC. PROBE	124.64	TOPVC			AK	
6/27/95	1007	" "	124.64	TOPVC			AK	
~~1048~~ 1100	1143	" "	125.23	TOPVC			AK	
7/26/95	1144	" "	127.05	TOPVC			AK	
8/15/95	912	" "	119.99	TOPVC			AK	
8/26/95	1109	" "	120.72	TOPVC			AK	
9/30/95	1029	" "	139.36	TOPVC			AK	
10/28/95	1153	" "	142.01	TOPVC			AK	
11/18/95	1216	" "	141.79	TOPVC			AK	
12/13/95	1440	" "	144.64	TOPVC			TAC	
12/20/95	1245	" "	135.82	TOPVC			WH	
12/24/95	1429	" "	139.40	TOPVC			MS	
12/26/95	1029	" "	140.76	TOPVC			MS	
12/31/95	1357	" "	142.91	"			MS	
1/4/96	1411	" "	140.54	TOPVC			WH	New hole.
1/15/96		Deep hole drilled - W side						
2/6/96	0823	" "	121.81	TOPVC			MS	
3/5/96	1520	" "	135.45	"			WH	
4/2/96	1406	" "	123.44	"			MS	
4/30/96	0855	" "	102.79	"			WH	
5/1/96	1005	" "	107.70	"			WH	
5/2/96	1238	" "	111.04	"			WH	
5/3/96	1151	" "	112.81	"			WH	
6/13/96	1115	" "	112.77	"			MS	
7/12/96	1306	" "	115.92	"			MS	
8/8/96	0955	" "	113.61	"			MS	
8/24/96	0650	" "	109.56	"			MS	
8/24/96	dev'd - purged to 201.58						MS	
9/6/96	1019	" "	120.03	"			MS	
2/4/97	1124	" "	101.48				SM	
5/9/97	1101	" "	105.50	"			JDR	

LOCATION _____

PROJECT _____

Golder Associates

PZ-104-SD

Water Level Data

Well: PZ-104-SD

Well Location PZ-104-SD Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
8/11/97	1309	Elec. Probe	91.97	TOP PVC			JDR	
11/6/97	1046	" "	84.05	" "			JDR	
2/9/98	1342	" "	82.86	"			DJ	
5/26/98	1334	" "	81.18	"			JDR	
11/9/98	1609	"	77.14	"			BEP	
5/14/99	1220	"	58.52	"			BEP	
5/22/06	1450	"	70.89	"			MAM	

PZ-104-SD

PZ-104-SS

WELL or DATE

WATER LEVEL DATA

WELL LOCATION

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

LOCATION

PROJECT

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
6/26/95	811	ELEC. PROBE	137.53'	TOPVC			AK	
6/26/95	1219	" "	137.02	TOPVC			AK	
6/27/95	1011	" "	142.96	TOPVC			AK	DEVELOPED WITHIN 24HRS
7/6/95	1255	" "	124.84	TOPVC			AK	
7/10/95	1202	" "	137.85	TOPVC			AK	
7/14/95	1050	" "	128.67	TOPVC			AK	
7/26/95	1149	" "	123.59	TOPVC			AK	
8/15/95	917	" "	117.66	TOPVC			AK	
8/26/95	1107	" "	117.41	TOPVC			AK	
9/26/95	1032	" "	122.62	TOPVC			AK	
10/28/95	1156	" "	123.29	TOPVC			AK	
11/18/95	1220	" "	123.22	TOPVC			AK	
12/13/95	1443	" "	123.08	TOPVC			TAL	
12/26/95	1243	" "	123.00	TOPVC			WH	
12/27/95	1433	" "	122.33	TOPVC			MS	
12/28/95	1027	" "	122.23	TOPVC			MS	
12/31/95	1353	" "	122.19	"			MS	
1/4/96	1458	" "	122.10	TOPVC			WH	NO WTR.
1/15/96			very hole dr. Neel - W side					
2/6/96	0820	" "	118.32	TOPVC			MS	
3/5/96	1518	" "	120.71	"			WH	
4/2/96	1408	" "	120.64	"			MS	
4/30/96	0853	" "	108.28	"			WH	
5/1/96	1004	" "	106.45	"			WH	
5/2/96	1238	" "	106.42	"			WH	
5/3/96	1148	" "	107.19	"			WH	
6/13/96	1115	" "	107.33	"			MS	
7/12/96	1308	" "	112.53	"			MS	
8/8/96	0958	" "	114.94	"			MS	
8/22/96	1450	" "	110.21	"			MS	
8/22/96	dry 4 - purged		to	130.34				

Golder Associates

PZ-104-SS

WELL or DATE _____

PZ-104-SS

WATER LEVEL DATA

WELL LOCATION _____ MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
9/6/96	1022	elec. probe	116.88	top PVC			MS	
3/4/97	1125	" "	102.04	"			SM	
5/9/97	1058	" "	105.52	"			JDR	
8/11/97	1307	" "	92.49	"			JDR	
11/6/97	1044	" "	87.69	"			JDR	
2/9/98	1340	" "	80.60	"			DJS	
5/26/98	1532	" "	80.33	"			JDR	
11/9/98	1611		76.89				BAP	
5/14/99	1223		50.01				BAP	
5/22/00	1455	"	71.85	"			MAM	

LOCATION _____

PROJECT _____

Golder Associates

PZ-104-SS

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-105-SS

MEASURING POINT _____

ELEVATION: MEASURING POINT _____

GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-25-95	0750	Elec. Probe	85.26'	bgs			AK	
6-7-95	1104	" "	113.98'	bgs			AK	
6-13-95	0944	" "	118.44	TOPVC			AK	
6-16-95	0905	" "	145.40	TOPVC			AK	DEVELOPED 2 DAYS AGO
6/23/95	1414	" "	148.48	TOPVC			AK	
6/26/95	759	" "	147.79	TOPVC			AK	
6/27/95	0952	" "	147.35	TOPVC			AK	
7-5-95	0753	" "	144.36	TOPVC			AK	
7/10/95	944	" "	147.20	TOPVC			AK	
7/26/95	1132	" "	143.78	TOPVC			AK	
8/15/95	902	" "	140.95	TOPVC			AK	
8/26/95	1122	" "	131.16	TOPVC			AK	POWDER LED
9/20/95	1014	" "	136.81	TOPVC			AK	
10/28/95	1139	" "	140.38	TOPVC			AK	
11/8/95	1203	" "	140.85	TOPVC			AK	
12/13/95	1425	" "	141.08	TOPVC			TAL	
1/4/96	1450	" "	140.40	TOPVC			WH	1/2 weep
1/15/96	1135				weep hole installed -			W side. WH
2/1/96	0800	" "	126.09	TOPVC			MS	
3/5/96	1510	" "	133.15	TOPVC			WH	
4/2/96	1423	" "	127.39	TOPVC			MS	
4/30/96	0907	" "	105.40	"			WH	unlocked
5/1/96	1015	" "	105.53	"			WH	
5/2/96	1246	" "	106.09	"			WH	
5/3/96	1158	" "	106.78	"			WH	
6/13/96	1105	" "	107.02	"			MS	
7/12/96	1315	" "	113.00	"			MS	
8/8/96	1004	" "	115.83	"			MS	
9/6/96	1028	" "	118.35	"			MS	
2/4/97	1112	" "	100.46	"			SM	
5/9/97	1110	" "	104.40	"			JDR	
8/11/97	1258	" "	90.02	"			JDR	
11/6/97	1025	" "	85.16	"			JDR	
2/9/98	1336	" "	82.23	"			DTS	

Golder Associates

PZ-105-SS

Water Level Data

Well:

Well Location PZ-105-55 Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/26/98	1603	elecprobe	79.36	Top PVC			PDR	
11/9/98	1601	"	78.34	"			BFP	
5/14/99	1211	"	59.56	"			BFP	
5/22/00	1505	"	72.69	"			MAM.	

PZ-105-55

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-106-KS

MEASURING POINT stickup = 2.49'

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
4-9-95	1237	elec. probe	25.54	TOR			JBM	cap not vented yet
4-21-95	1025	" "	25.48	TOR			MDA	Cap Vented
5-5-95	1310	" "	25.00	TOPVC			BT	
5-24-95	1530	" "	26.00	TOPVC			AK	
6-7-95	1036	" "	25.73	TOPVC			AK	
6/27/95	0921	" "	22.06	TOPVC			AK	
7/10/95	912	" "	21.75	TOPVC			AK	
7/26/95	1053	" "	21.75	TOPVC			AK	
8/15/95	750	" "	21.64	TOPVC			AK	
8/26/95	1228	" "	21.78	TOPVC			AK	
9/30/95	944	" "	23.96	TOPVC			AK	
10/28/95	952	" "	24.79	TOPVC			AK	
11/18/95	1047	" "	25.24	TOPVC			AK	
12/13/95	1405	" "	25.44	TOPVC			TAC	
12/20/95	1258	" "	25.80	TOPVC			WH	
			~~25.62~~					
12/24/95	~~1543~~	" "	25.69	TOPVC			MS	
12/26/95	1100	" "	25.53	TOPVC			MS	
12/31/95	1445	" "	25.36	"			MS	
1/4/96	1551	" "	25.65	TOPVC			WH	water [illegible]
2/6/96	0757	" "	23.56	"			MS	
3/5/96	1454	" "	24.35	"			WH	
4/2/96	1528	" "	23.76	"			MS	
4/30/96	0924	" "	24.07	"			WH	
5/1/96	1101	" "	23.86	"			WH	
5/2/96	1326	" "	23.76	"			WH	
5/3/96	1246	" "	23.58	"			WH	
6/13/96	1051	" "	21.63	"			MS	
7/12/96	1323	" "	19.80	"			MS	
8/8/96	1022	" "	19.58	"			MS	
9/6/96	1037	" "	19.85	"			MS	
2/4/97	1051	" "	19.02	"			SM	

Golder Associates

PZ-106-KS

Water Level Data

Well: PZ-106-KS

Well Location PZ-106-KS Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/9/97	1031	elec. probe	16.58	TOPVC			JDR	
8/11/97	1227	" "	16.81	"			JDR	
11/6/97	0948	" "	17.28	"			JDR	
2/10/98	1523	" "	15.30	"			DTS	
5/26/98	1536	" "	12.91	"			JDR	
11/9/98	1540	"	12.72				BFP	
5/14/99	1121	"	9.74	"			BFP	
11/19/99	1015		12.35	"			BFP	
5/22/00	1524	"	11.95	"			MAM	

PZ-106-KS

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-106-SD

MEASURING POINT Stickup = 1.97

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
4-9-95	1233	elec. probe	115.68	TOR			JBM	cap not vented yet
4-21-95	1005	" "	116.38	TOR			MDA	Cap Vented
5-5-95	1310	" "	113.74	TOPVC			BT	
5-24-95	1545	" "	114.10	TOPVC			AIC	
6-7-95	1029	" "	104.35	TOPVC			AIC	THIS WAS DOUBLE CHECKED
6/27/95	0918	" "	104.78	TOPVC			AK	
7/10/95	908	" "	106.11	TOPVC			AK	
7/26/95	1051	" "	109.90	TOPVC			AK	
8/3/95	941	" "	107.95	"			"	
8/14/95	745	" "	104.80	"			"	
8/26/95	1226	" "	101.44	"			AK	
9/30/95	941	" "	114.98	"			AK	
10/28/95	949	" "	117.02	"			AK	
11/18/95	1044	" "	116.64	"			"	
12/13/95	1411		122.82	"			TAL	
12/20/95	1256	" "	123.25	"			WH	
12/24/95	1546	" "	121.52	"			MS	
12/26/95	1102	" "	121.34				MS	
12/31/95	1450	" "	121.54				MS	
1/4/96	1549	"	121.90	TOPVC			WH	Large hole 1.8 size
2/6/96	0755	" "	106.60	"			MS	
3/5/96	1452	" "	117.16	"			WH	
4/2/96	1526	" "	113.25	"			MS	
4/30/96	0923	" "	101.95	"			WH	
5/1/96	1059	" "	100.43	"			WH	
5/2/96	1324	" "	99.32	"			WH	
5/3/96	1244	" "	98.61	"			WH	
6/13/96	1053	" "	93.99	"			MS	
7/12/96	1325	" "	96.11	"			MS	
8/8/96	1019	" "	93.77	"			MS	
8/22/96	0935	" "	93.82	"			MS	

LOCATION _____

PROJECT _____

Golder Associates

PZ-106-SD

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-106-SD

MEASURING POINT _____

ELEVATION: MEASURING POINT _____

GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
8/22/96		development	– purged to 199.55				MS	
9/6/96	1040	elec. probe	103.11	tape			MS	
2/4/97	1050	" "	87.00	"			SM	
5/9/97	1033	" "	86.21	"			JDR	
8/11/97	1225	" "	78.70	"			JDR	
11/6/97	0946	" "	75.17	"			JDR	
2/9/98	1300	" "	70.68	"			DJS	
5/20/98	1538	" "	67.35	"			JDR	
11/9/98	1542	"	65.45	"			BFP	
5/18/99	1119	"	45.40	"			BFP	
5/22/00	1522	"	58.00	"			MAM	

LOCATION

PROJECT

Golder Associates

PZ-106-SD

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-106-55 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5/1/96	1058	Elec. Probe	89.73	TOPVC			WH	
5/2/96	1322	" "	90.68	"			WH	
5/3/96	1242	" "	91.14	"			WH	
6/13/96	1055	" "	87.69	"			MS	
7/12/96	1327	" "	94.24	"			MS	
8/8/96	1016	" "	93.65	"			MS	
8/21/96	1400	" "	89.74	"			MS	
8/21/96		dw't—purged	to 146.72					
9/6/96	1043	" "	92.87	"			MS	
2/4/97	1052	" "	84.68	"			SM	
5/9/97	1037	" "	83.51	"			JDR	
8/11/97	1229	" "	76.64	"			JDR	
11/6/97	0944	" "	73.06	"			JDR	
2/9/98	1302	" "	68.52	"			DB	
5/26/98	1540	" "	64.59	"			JDR	
11/9/98	1544	"	64.12	"			BFP	
5/14/99	1114	"	44.66	"			BFP	
5/22/00	1520	"	56.67	"			MAM	

Golder Associates

PZ-106-55

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-107-SS MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-24-95	0935	elec probe	27.95	bgs			AK	temporary PVC stick up
6-6-95	0940	" "	27.30	TOPVC			AK	
6-7-95	1017	" "	30.29	TOPVC			AK	BAILED WITHIN 24 HR OF READING
		~~" "~~	~~30.29~~ AK					
6-16-95	1416	" "	29.96	TOPVC			AK	
6-17-95	1017	" "	31.65	TOPVC			AK	BAILED WITHIN 24 HRS
6/27/95	0909	" "	30.14	TOPVC			AK	
6/29/95	1157	" "	30.07	TOPVC			AK	
7/10/95	848	" "	30.25	TOPVC			AK	
7/26/95	1043	" "	30.30	TOPVC			AK	
8/15/95	737	" "	30.34	TOPVC			AK	
8/26/95	1233	" "	30.66	TOPVC			AK	
9/30/95	934	" "	32.30	TOPVC			AK	
10/28/95	943	" "	32.75	TOPVC			AK	
11/18/95	1036	" "	33.09	TOPVC			AK	
12/15/95	940		33.54	TOPVC			TAC	
1/4/96	1605	" "	33.76	TOPVC			WH	[illegible]
2/6/96	0838	" "	34.42	"			MS	
3/4/96	1508	" "	35.08	"			MS	
4/2/96	1532	" "	35.31	"			MS	
4/30/96	0928	" "	34.59	"			WH	
5/1/96	1103	" "	34.43	"			WH	
5/2/96	1328	" "	34.32	"			WH	
5/3/96	1249	" "	34.32	"			WH	
6/13/96	1048	" "	30.87	"			MS	
7/12/96	1330	" "	31.11	"			MS	
8/8/96	1024	" "	31.76	"			MS	
9/6/96	1046	" "	32.55	"			MS	
2/3/97	1430	" "	33.20	"			SM	
5/9/97	1500	" "	30.96	"			JDR	
8/11/97	1216	" "	32.85	"			JDR	
11/6/97	0940	" "	33.54	"			JDR	settlement, concrete is 6" aboveground
2/9/98	1312	" "	33.42	"			DB	

LOCATION _____

PROJECT _____

Golder Associates

PZ-107-SS

Water Level Data

Well:

Well Location PZ-107-55 Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/26/98	1533	elecprobe	31.08	TOP PVC			AOR	
11/9/98	1537	"	31.36	"			BFP	
5/14/99	1107	"	30.68	"			BFP	
11/19/99	1445	"	34.33	"			BFP	
5/22/00	1004	"	31.07	"			MAM	

PZ-107-55

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-108-SS

MEASURING POINT _____

ELEVATION: MEASURING POINT _____

GROUND LEVEL _____

bgs - corehole

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
3/25/95	1103	Elec. probe	25.22'	~~Assume at corehole~~	25.22'		WH	~~in corehole, not final grade~~
3/28/95	1500	plopper	31.4'	bgs-corehole	31.4		BT	
4/9/95	1357	elec. probe	99.15'	TOR			JDM	measured from
—	—	—	—	—	—	—	—	TOR-cut off @ 1.5' above ground
—	—	—	—	—	—	—	—	cap not vented
4/21/95	1345	elec. prob	112.60	TOR			MDA	locking cap
5-5-95	1305	" "	96.25	TOPVC			BJ	
5-24-95	1514	" "	85.70	TOPVC			AK	
6-7-95	0956	" "	88.23	TOPVC			AK	
6/27/95	0857	" "	87.21	TOPVC			AK	
7/10/95	830	" "	88.62	TOPVC			AK	
7/26/95	1031	" "	87.21	TOPVC			AK	
8/14/95	802	" "	86.65	TOPVC			AK	
8/15/95	724	" "	86.35	TOPVC			AK	
8/26/95	1251	" "	89.18	TOPVC			AK	
9/30/95	921	" "	104.06	TOPVC			AK	DOUBLE CHECKED
10/28/95	934	" "	100.32	TOPVC			AK	
11/8/95	1011	" "	99.42	TOPVC			AK	
12/15/95	1006	" "	108.76	TOPVC			TAL	
1/4/96	1610	" "	109.73	TOPVC			LOH	wellhole - W side
2/6/96	0851	" "	104.32	TOPVC			MS	
3/5/96	1553	" "	109.95	TOPVC			WH ~~MS~~	
4/2/96	1558	" "	100.20	TOPVC			MS	
4/30/96	0941	" "	98.61	"			WH	
5/1/96	1111	" "	97.45	"			WH	
5/2/96	1353	" "	96.83	"			WH	
5/3/96	1256	" "	96.23	"			WH	
6/13/96	1324	" "	94.70	"			MS	
7/12/96	1346	" "	98.01	"			MS	
8/8/96	1035	" "	97.32	"			MS	
9/6/96	1056	" "	94.83	"			MS	
2/4/97	1040	" "	87.68	"			SM	
6/9/97	1453	" "	80.02	"			JDR	
8/11/97	1156	" "	81.00	"			JDR	

LOCATION _____

PROJECT _____

Golder Associates

PZ-108-SS

PZ-204-SS

3/25/95 11:12 Elec. water level probe 27.26 TOPVC WH

Water Level Data

Well: PZ-108-55

Well Location PZ-108-55 Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
11/6/97	0926	elecprobe	73.04	TOPPVC			JDR	
2/9/98	1415	"	65.03	"			DJ	
5/26/98	1519	"	66.94	"			PDR	
11/9/98	1510	"	64.71	"			BFP	
5/14/99	1040	"	40.68	"			BFP	
11/19/99	1445	"	52.12	"			BFP	
5/22/00	0952	"	51.72	"			MAM	

PZ-108-55

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-109-SS MEASURING POINT X

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-5-95	12:50	elec. probe	94.42	TOPVC			BT	
5-24-95	1104	" "	109.77	TOPVC			AK	
6-7-95	0958	" "	93.60	TOPVC			AK	
6/27/95	0852	" "	87.80	TOPVC			AK	
7/10/95	825	" "	85.49	TOPVC			AK	
7/26/95	1639	" "	84.76	TOPVC			AK	
8/4/95	1341	" "	85.63	TOPVC			AK	
~~8/8/95~~	~~1317~~	~~" "~~	~~95.27~~	~~TOPVC~~			AK	DOUBLE-CHECKED
						NOT ACCURATE DUE DEVELOPMENT ON THE 8/4/95		
8/15/95	719	Elec. Probe	110.96	TOPVC			AK	
8/26/95	1045	" "	98.05	TOPVC			AK	
9/30/95	914	" "	99.30	TOPVC			AK	
10/28/95	931	" "	103.86	TOPVC			AK	
11/8/95	1008	" "	103.38	TOPVC			AK	
12/15/95	956	" "	106.70	TOPVC			TAC	
1/4/96	1620	" "	108.10	TOPVC			DH	weep to Q-B sump
2/6/96	0855	" "	107.66	"			MS	
3/5/96	1605	" "	107.63	"			WH	
4/2/96	1604	" "	107.72	"			MS	
4/30/96	0954	" "	106.64	"			WH	
5/1/96	1132	" "	106.46	"			WH	
5/2/96	1357	" "	106.29	"			WH	
5/3/96	1258	" "	106.09	"			WH	
6/13/96	1321	" "	100.32	"			MS	
7/12/96	1349	" "	97.83	"			MS	
8/8/96	1039	" "	102.46	"			MS	
9/6/96	1100	" "	102.56	"			MS	
2/4/97	1095	" "	84.68	"			SM	
5/9/97	1450	" "	84.93	"			JDR	
8/11/97	1154	" "	82.61	"			JDR	
11/6/97	0922	" "	82.82	"			JDR	
2/9/98	1252	" "	67.06	"			DTJ	
5/26/98	1575	" "	63.04	"			PDR	

LOCATION _____

PROJECT _____

Golder Associates

PZ-109-SS

Water Level Data

Well:

Well Location PZ-109-SS Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/14/99	1036		42.41'				BTP	
5/22/00	0950		51.79				MAM.	

PZ-109-SS

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-110-SS

MEASURING POINT X

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-25-95	0730	Elec Probe	33.15	~~TOPVC~~ DRY			AK	unfinished piezometer
6-7-95	0936	" "	25.43	TOPVC			AK	
6-9-85	0745	" "	73.04	TOPVC			AK	DEVELOPED WITH 24 HRS.
6-12-95	1425	" "	72.29	TOPVC			AK	
6-14-95	0742	" "	91.93	TOPVC			AK	DEVELOPED 2 Days AGO
6-16-95	0744	" "	94.07	TOPVC			AK	
6/22/95	0840	" "	45.15	TOPVC			AK	
7/10/95	818	" "	25.61	TOPVC			AK	
7/26/95	1615	" "	25.38	TOPVC			AK	
8/15/95	709	" "	25.30	TOPVC			AK	
8/26/95	1300	" "	25.64	TOPVC			AK	
9/30/95	905	" "	27.34	TOPVC			AK	
10/28/95	922	" "	27.98	TOPVC			AK	
11/18/95	930	" "	28.33	TOPVC			AK	
12/14/95	1007	" "	28.80	TOPVC			TAL	
12/20/95	1312	" "	28.85	TOPVC			WH	
12/24/95	1556	" "	28.74	TOPVC			MS	
12/26/95	1108	" "	28.77	TOPVC			MS	
12/31/95	1459	" "	28.82	"			MS	
1/4/96	1636	" "	29.04	TOPVC			WH	[illegible]
2/6/96	0906	" "	29.82	"			MS	
3/5/96	1623	" "	30.60	"			WH	
4/2/96	1642	" "	31.40	"			MS	
4/30/96	1006	" "	30.66	"			WH	
5/1/96	1152	" "	30.51	"			WH	
5/2/96	1412	" "	30.40	"			WH	
5/3/96	1313	" "	30.26	"			WH	
6/13/96	1318	" "	26.46	"			MS	
7/12/96	1352	" "	26.82	"			MS	
8/8/96	1042	" "	27.16	"			MS	
9/6/96	1106	" "	27.78	"			MS	
2/4/97	1015	" "	30.04	"			SM	

LOCATION _____

PROJECT _____

Golder Associates

PZ-110-SS

Water Level Data

Well: PZ-110-55

Well Location PZ-110-55 Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/9/97	1447	elec. probe	36.93	TOPVC			JDR	
8/11/97	1152	" "	41.99	"			JDR	
11/6/97	0858	" "	47.52	"			JDR	
2/9/98	1247	" "	44.33	"			DTS	
5/26/98	1458	" "	45.21	"			PDR	
11/9/98	1501	"	44.88	"			BFP	
5/14/99	1006	"	30.67	"			BFP	
5/22/00	1006	"	33.74	"			MAM	

PZ-110-55

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-111-SD MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-5-95	1240	electric probe	30.46	TOPVC			BT	
5-24-95	1459	" "	28.32	TOPVC			AK	
6-7-95	0926	" "	26.61	TOPVC			AK	
6/27/95	0832	" "	37.85	TOPVC			AK	
7/10/95	810	" "	53.49	TOPVC			AK	
8/4/95	858	" "	34.21	TOPVC			AK	
8/15/95	700	" "	39.09	TOPVC			AK	
8/26/95	1207	" "	33.00	TOPVC			AK	
9/30/95	901	" "	29.33	"			AK	
10/28/95	919	" "	29.65	TOPVC			AK	
11/18/95	927	" "	30.08	TOPVC			AK	
12/14/95	1000	" "	30.62	TOPVC			TAC	
12/20/95	1308	" "	30.74	TOPVC			WH	
12/24/95	1558	" "	30.78	TOPVC			MS	
12/26/95	1114	" "	30.80	TOPVC			MS	
12/31/95	1506	" "	30.85	TOPVC			MS	
1/4/96	1612	" "	30.92	TOPVC			WH	wrong side of sign
2/6/96	094	" "	31.49	"			MS	
3/5/96	1616	" "	32.12	"			WH	
4/2/96	1652	" "	32.65	"			MS	
4/30/96	1012	" "	32.73	"			WH	
5/1/96	1154	" "	32.68	"			WH	
5/2/96	1414	" "	32.63	"			WH	
5/3/96	1320	" "	32.55	"			WH	
6/13/96	1309	" "	29.00	"			MS	
7/12/96	1355	" "	28.09	"			MS	
8/8/96	1018	" "	28.36	"			MS	
8/23/96	1255	" "	28.74	"			MS	
8/23/96		dw't —	purged	to 102.35			MS	
8/24/96	0931	" "	101.70				MS	
9/6/96	1109	" "	61.06	"			MS	
2/9/97	1018	" "	30.14	"			SM	

Golder Associates

.163 gal/ft

PZ-111-SD

Water Level Data

Well: PZ-111-5D

Well Location

Measuring Point

Elevation: Measuring Point

Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/9/97	1437	elec. probe	29.82	TOPVC			JDR	
8/11/97	1143	" "	30.28	"			JDR	
11/6/97	0850	" "	31.07	"			JDR	
2/9/98	1243	" "	28.27	"			DTS	
5/26/98	1426	" "	unable to get tape down well, sub pump blocked the well bore.		PDR			
11/9/98	1430	"	29.08				BFP	
5/14/99	0951	"	27.78				BFP	
5/22/00	1100	"	33.24				MAM	

PZ-111-5D

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-111-KS

MEASURING POINT _____

ELEVATION: MEASURING POINT _____

GROUND LEVEL _____

LOCATION

PROJECT

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-24-95	0745 1500	Elec. Probe	18.91'	bgs			AK	unfinished piezo
6-7-95	0931	" "	19.64	TOPVC			AK	
6/27/95	0835	" "	19.29	TOPVC			AK	
7/10/95	813	" "	19.09	TOPVC			AK	
7/26/95	1017	" "	18.96	TOPVC			AK	
8/15/95	704	" "	18.87	TOPVC			AK	
8/26/95	1205	" "	18.86	TOPVC			AK	
9/30/95	858	" "	20.48	TOPVC			AK	
10/28/95	916	" "	21.19	TOPVC			AK	
11/18/95	925	" "	21.73	TOPVC			AK	
12/14/95	1003		22.02	TOPVC			TAC	
12/20/95	1308	" "	22.16	TOPVC			CAH	
12/24/95	1615	" "	22.14	TOPVC			MS	
12/26/95	1113	" "	22.04	TOPVC			MS	
12/31/95	1501	" "	21.82	"			MS	
1/4/96	1412	" "	22.10	TOPVC			MS	well dry
2/6/96	0914	" "	20.83	"			MS	
3/5/96	1618	" "	20.95	"			WH	
4/2/96	1655	" "	20.74	"			MS	
4/30/96	1013	" "	20.86	"			WH	
5/1/96	1156	" "	20.86	"			WH	
5/2/96	1416	" "	20.80	"			WH	
5/3/96	1318	" "	20.71	"			WH	
6/13/96	1315	" "	18.32	"			MS	
7/12/96	1357	" "	17.21	"			MS	
8/8/96	1047	" "	17.20	"			MS	
9/6/96	1111	" "	17.09	"			MS	
2/4/97	1018	" "	15.30	"			SM	
5/9/97	1439	" "	14.31	"			JDR	
8/11/97	1145	" "	14.16	"			JDR	
11/6/97	0852	" "	14.45	"			JDR	
2/10/98	1550	" "	13.10	"			DB	

Golder Associates

PZ-111-KS

Water Level Data

Well:

Well Location PZ-111-KS Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/26/98	1451	elec probe	10.80	top PVC			PDR	
1/19/98	1430	"	10.73	"			BFP	
5/14/99	0954	"	8.34	"			BFP	
11/19/99	1445	"	10.31	"			BFP	
8/22/00	1101	"	10.25	"			MAN	

PZ-111-KS

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-112-AS MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-25-95	1305	Elec Probe	24.73'	TOPVC			AK	unfinished piezometer
6-7-95	1215	" "	23.71	TOPVC			AK	UNFINISHED PIEZOMETER
7/10/95	805	" "	24.56	TOPVC			AK	
7/26/95	1515	" "	24.71	TOPVC			AK	
8/4/95	1113	" "	24.70	TOPVC			AK	
8/15/95	1045	" "	24.75	TOPVC			AK	
8/26/95	1318	" "	25.16	TOPVC			AK	
9/30/95	850	" "	26.99	TOPVC			AK	
10/28/95	910	" "	27.70	TOPVC			AK	
11/18/95	921	" "	27.99	TOPVC			AK	
12/14/95	843	" "	28.68	TOPVC			TAL	
1/4/96	1246	" "	28.78	TOPVC				No weep hole
1/15/96				weep hole installed S side				
2/1/96	0925	" "	29.37	TOPVC			MS	
3/5/96	1609	" "	30.03	"			WH	
4/3/96	0741	" "	30.30	"			MS	Mud surrounding
4/30/96	1024	" "	29.60	"			WH	
5/1/96	1408	" "	29.42	"			WH	
5/2/96	1432	" "	29.19	"			WH	
5/3/96	1336	" "	29.10	"			WH	
6/13/96	1307	" "	25.20	"			MS	
7/12/96	1421	" "	25.52	"			MS	
8/8/96	1111	" "	26.22	"			MS	
9/6/96	1139	" "	27.10	"			MS	
2/4/97	0950	" "	28.00	"			SM	
5/9/97	1428	" "	25.39	"			JDR	
8/11/97	1137	" "	27.46	"			JDR	
11/6/97	0847	" "	28.54	"			JDD	
2/9/98	1420	" "	28.31	"			DB	
5/26/98	1421	" "	25.19	"			JDR	
11/9/98	1300	"	25.98	"			BFP	
5/4/99	0938	"	25.34	"			BFP	
11/19/99	1445	"	29.43	"			BFP	
5/22/00	1106	"	30.75	"			MAM	

LOCATION _____

PROJECT _____

WELL or DATE PZ113-AS

WATER LEVEL DATA

WELL LOCATION Near scalehouse PZ-113-AS

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

LOCATION

PROJECT

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
4-21-95	1120	Elec. Probe	30.66	TOR			MDA	Cap Vented
5-6-95	755	" "	29.68	TOPVC			BT	
5/16/95	1220	" "	28.63	TOPVC			AK	
5-20-95	0806	" "	26.65	TOPVC			AK	
5-24-95	1450	" "	25.71	TOPVC			AK	
5-31-95	0710	" "	25.05	TOPVC			AK	
6-7-95	0914	" "	25.05	TOPVC			AK	
6/27/95	0816	" "	25.78	TOPVC			AK	
7/11/95	1446	" "	25.98	TOPVC			AK	
7/26/95	1211	" "	26.12	TOPVC			AK	
8/13/95	1033	" "	26.28	TOPVC			AK	
8/26/95	1158	" "	26.79	TOPVC			AK	
9/30/95	830	" "	28.57	TOPVC			AK	
10/28/95	905	" "	29.23	TOPVC			AK	
11/19/95	914	" "	29.61	TOPVC			AK	
12/14/95	848	" "	30.24	TOPVC			AK	
12/20/95	1151	" "	30.12	TOPVC			WH	
12/24/95	1357	" "	30.05	TOPVC			MRS	
12/26/95	1005	" "	30.11	TOPVC			MRS	
12/31/95	1330	" "	30.18	TOPVC			MS	
1/4/96	1253	" "	30.35	TOPVC			WH	Water [illegible]
2/6/96	0938	" "	30.95	"			MS	
3/4/96	1633	" "	31.49	"			MS	
4/3/96	0732	" "	31.94	"			MS	
4/30/96	1028	" "	31.12	"			WH	
5/1/96	1405	" "	30.92	"			WH	
5/2/96	1437	" "	30.71	"			WH	
5/3/96	1342	" "	30.63	"			WH	
6/13/96	1339	" "	28.68	"			MS	
7/12/96	1424	" "	27.03	"			MS	
8/8/96	1113	" "	27.77	"			MS	

Golder Associates

PZ-113-AS

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-113-AS

MEASURING POINT _____

ELEVATION: MEASURING POINT _____

GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
8/26/96	1215	elec. probe	28.25	TOPVC			MS	
8/26/96	dev't — purged 10 gal, w.l.				28.32			
9/6/96	1143	" "	28.66	"			MS	
2/3/97	1402	" "	29.60	"			SM	
5/9/97	1410	" "	26.91	"			JDR	
8/11/97	1129	" "	29.06	"			JDR	
11/6/97	0841	" "	30.15	"			JDR	
2/10/98	1416	" "	29.92	"			DD	
5/26/98	1404	" "	26.68	"			JDR	
11/9/98	1243	"	27.57	"			BFP	
5/14/99	0905	"	26.84	"			BFP	
5/22/00	1123	"	32.75	"			MAM	

LOCATION _____

PROJECT _____

Golder Associates

PZ-113-AS

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-113-AD MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-6-95	800	elec-probe	29.64	ToPVC			BT	
5/17/95	0913	elec. probe	28.90	TOPVC			AK	
5-22-95	0820	" "	26.07	TOPVC			AK	
5-24-95	0946	" "	25.70	TOPVC			AK	
6-7-95	0911	" "	26.05	TOPVC			AK	
6/27/95	0812	" "	25.78	TOPVC			AK	
7/11/95	742	" "	25.99	TOPVC			AK	
7/26/95	1207	" "	26.33	TOPVC			AK	
8/15/95	1629	" "	26.28	TOPVC			AK	
8/26/95	1154	" "	27.72	TOPVC			AK	
9/30/95	839	" "	28.57	TOPVC			AK	
10/28/95	902	" "	29.18	TOPVC			AK	
11/18/95	911	" "	29.64	TOPVC			AK	
12/14/95	852	" "	30.28	TOPVC			TAC	
12/20/95	1149	" "	30.18	TOPVC			WH	
12/24/95	1355	" "	30.09	TOPVC			MRS	
12/26/95	1007	" "	30.19	TOPVC			MRS	
12/31/95	1335	" "	30.27	TOPVC			MS	
1/4/96	1254	" "	30.43	TOPVC			WH	weep hole E side
2/6/96	0941	" "	31.02	"			MS	
3/4/96	1634	" "	31.54	"			MS	
4/3/96	0734	" "	31.84	"			MS	
4/30/96	1029	" "	31.17	"			WH	
5/1/96	1403	" "	30.96	"			WH	
5/2/96	1435	" "	30.73	"			WH	
5/3/96	1340	" "	30.65	"			WH	
6/13/96	1341	" "	26.67	"			MS	
7/12/96	1427	" "	27.11	"			MS	
8/8/96	1116	" "	27.76	"			MS	
8/26/96	1045	" "	28.32	"			MS	
8/26/96	pumped 20 gal, w.l.			28.34			MS	

LOCATION _____

PROJECT _____

Golder Associates PZ-113-AD

WELL or DATE

WATER LEVEL DATA

WELL LOCATION PZ-113-AD

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
9/6/96	1146	elec. probe	28.72	topvc			MS	
2/3/97	1403	" "	29.66	"			SM	
5/9/97	1412	" "	26.98	"			JDR	
8/11/97	1127	" "	29.13	"			JDR	
11/6/97	0843	" "	30.20	"			JDR	
2/9/98	1240	" "	30.00	"			DB	
5/26/98	1402	" "	27.01	"			JDR	
11/9/98	1245	"	27.61	"			BFP	
5/14/99	0903	"	27.87	"			BFP	
5/22/00	1124	"	32.81	"			MAM	

LOCATION

PROJECT

Golder Associates

PZ-113-AD

PZ-113-SS

WELL or DATE

WATER LEVEL DATA

WELL LOCATION PZ-1B-SS

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

LOCATION

PROJECT

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-24-95	1444	Elec Probe	24.41	bgs			AK	unfinished pre
6/27/95	0819	" "	AK 26.07	TOPVC			AK	
7/11/95	739	" "	26.23	TOPVC			AK	
7/26/95	1200	" "	26.54	TOPVC			AK	
8/15/95	1026	" "	26.56	TOPVC			AK	
8/26/95	1152	" "	26.98	TOPVC			AK	
9/30/95	844	" "	28.72	TOPVC			AK	
10/28/95	859	" "	29.48	TOPVC			AK	
11/19/95	909	" "	29.33	TOPVC			AK	
12/14/95	857		34.44	TOPVC			TAL	
12/20/95	1147	" "	30.40	TOPVC			WH	
12/24/95	1400	" "	30.31	TOPVC			MS	
12/26/95	10:09	" "	30.35	TOPVC			MS	
12/31/95	1325	" "	30.42	TOPVC			MS	
1/4/96	1256	" "	30.61	TOPVC			WH	weep at the N side
2/6/96	0944	" "	31.19	"			MS	
3/4/96	1635	" "	31.71	"			MS	
4/3/96	0737	" "	32.12	"			MS	Low or but not Tocred
4/30/96	1027	" "	31.40	"			WH	
5/1/96	1402	" "	31.20	"			WH	
5/2/96	1435	" "	31.00	"			WH	
5/3/96	1338	" "	30.88	"			WH	
6/13/96	1343	" "	26.96	"			MS	
7/12/96	1420	" "	29.31	"			MS	
8/8/96	1119	" "	28.05	"			MS	
9/6/96	1149	" "	28.94	"			MS	
2/3/97	1404	" "	29.92	"			SM	
5/9/97	1414	" "	27.22	"			JDR	
8/4/97	1125	" "	29.31	"			JDR	
11/6/97	0845	" "	30.35	"			JDR	
2/10/98	1415	" "	30.17	"			DTS	

Golder Associates

PZ-113-SS

Water Level Data

Well:

Well Location PZ 113-55 Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/26/98	1410	elecprobe	27.01	TOPPVC			[illegible]	
11/9/98	1247	"	27.80	"			BFP	
5/14/99	0900	"	27.11	"			BFP	
5/22/00	1125	"	33.00	"			MAM	

PZ-113-55

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-114-AS MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-5-95	1320	elec. probe	19.38	TOPVC			BT	
5-18-95	1230	" "	15.81	TOPVC			AK	
5-24-95	1405	" "	15.85	TOPVC			AK	
5-25-95	1250	" "	14.90	TOPVC			AK	
5-27-95	1127	" "	14.65	TOPVC			AK	
5-30-95	1218	" "	14.73	TOPVC			AK	
5-31-95	0951	" "	14.76	TOPVC			AK	
6-~~07~~ 07-95	0849	" "	14.58	TOPVC			AK	
6/21/95	0857	" "	15.17	TOPVC			AK	
6/27/95	756	" "	15.31	TOPVC			AK	
7/10/95	745	" "	15.72	TOPVC			AK	
7/26/95	1231	" "	15.96	TOPVC			AK	
8/15/95	1015	" "	15.99	TOPVC			AK	
8/26/95	1027	" "	16.41	TOPVC			AK	
9/30/95	822	" "	18.25	TOPVC			AK	
10/28/95	846	" "	19.20	TOPVC			AK	
11/18/95	901	" "	19.38	TOPVC			AK	
12/14/95	910	" "	20.08	TOPVC			TAC	
1/4/96	1206	" "	20.11	TOPVC			WH	West hole - W side
2/6/96	1017	" "	20.64	"			MS	
3/4/96	1657	" "	21.22	"			MS	
4/3/96	0839	" "	21.38	"			MS	
4/30/96	1039	" "	19.84	"			WH	
5/1/96	1330	" "	19.90	"			WH	
5/2/96	1451	" "	19.81	"			WH	
5/3/96	1636	" "	19.71	"			WH	
6/13/96	1215	" "	16.13	"			MS	
7/12/96	1441	" "	16.85	"			MS	
8/8/96	1132	" "	17.56	"			MS	
9/6/96	1206	" "	18.52	"			MS	
2/4/97	0828	" "	18.89	"			SM	
5/9/97	1252	" "	16.62	"			JDR	
8/11/97	1059	" "	18.91	"			JDR	
11/6/97	0804	" "	19.98	"			JDR	
2/9/98	1159	" "	19.73	"			DJB	

Golder Associates

PZ-114-AS

Water Level Data

Well:

Well Location PZ-114-AS

Measuring Point

Elevation: Measuring Point

Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/26/98	1344	elecprobe	15.88	TOPPVC			PDR	
11/9/98	1743	"	17.43	"			BFP	
5/14/99	0843	"	16.02	"			BFP	
5/22/00	0940	"	22.45	"			MAM	

PZ-114-AS

34.44

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-115SS

MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-24-95	1400	Elec Probe	21.05	bgs			AK	
6-5-95	1241	" "	22.66	TOPVC			AK	
6-7-95	0845	" "	38.61	TOPVC			AK	BAILED DRY WITHIN 24 HRS
6-13-95	1050	" "	25.51	TOPVC			AK	
6/20/95	0817	" "	25.14	TOPVC			AK	
6/27/95	0753	" "	25.55	TOPVC			AK	
7/10/95	751	" "	25.72	TOPVC			AK	
7/26/95	1229	" "	27.47	TOPVC			AK	
8/15/95	1018	" "	26.99	TOPVC			AK	
8/26/95	1033	" "	28.12	TOPVC			AK	
9/30/95	825	" "	35.24	TOPVC			AK	DOUBLE CHECKED
10/28/95	848	" "	39.21	TOPVC			AK	
11/18/95	853	" "	40.59	TOPVC			AK	
12/14/95	910	" "	44.44	TOPVC			TAC	
1/4/96	1308	" "	37.96	TOPVC			WH	weep water 2.5' side
2/6/96	1020	" "	39.07	"			MS	
3/4/96	1659	" "	45.96	"			MS	Double checked
4/3/96	0842	" "	37.99	"			MS	Double checked
4/30/96	1041	" "	28.97	"			WH	
5/1/96	1328	" "	28.34	"			WH	
5/2/96	1452	" "	28.46	"			WH	
5/3/96	1638	" "	28.79	"			WH	
6/13/96	1216	" "	26.50	"			MS	
7/12/96	1443	" "	30.45	"			MS	
8/8/96	1134	" "	32.74	"			MS	
9/6/96	1208	" "	37.79	"			MS	double checked
2/4/97	0829	" "	28.82	"			SM	
5/9/97	1249	" "	29.33	"			JDR	
8/11/97	1100	" "	37.42	"			JDR	
11/6/97	0802	" "	33.07	"			JDR	
2/9/98	1155	" "	30.73	"			DJ	
5/26/98	1341	" "	19.19	"			JDR	dbl chked
11/9/98	1216	"	28.21				BHP	
5/14/99	0846	"	17.28				RFC	

Golder Associates

PZ-115-SS

Water Level Data

Well: P2-115-55

Well Location P2-115-55 Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/22/00	0941	Elec Probe	26.06	PVC			MAM	

WELL or DATE _____

PZ-116-SS

WATER LEVEL DATA

WELL LOCATION _____ MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
7/10/95	931	ELEC. PROBE	137.45	TOPVC			AK	
8/3/95	1041	" "	140.82	TOPVC			AK	
8/15/95	808	" "	135.06	TOPVC			AK	
8/26/95	1128	" "	128.41	TOPVC			AK	
9/30/95	1005	" "	146.69	TOPVC			AK	
10/28/95	1130	" "	151.79	TOPVC			AK	
11/18/95	1152	" "	153.44	TOPVC			AK	
12/15/95	958	" "	154.80	TOPVC			TOK	
1/2/96	1504	" "	154.19	TOPVC			WH	Water to the Edge
2/6/96	0806	" "	133.25	"			MS	
3/5/96	1501	" "	138.74	"			WH	
4/2/96	1426	" "	146.91	"			MS	Double Checked
4/30/96	0912	" "	135.67	"			WH	
5/1/96	1018	" "	133.91	"			WH	
5/2/96	1250	" "	132.52	"			WH	
5/3/96	1203	" "	131.46	"			WH	
6/13/96	1100	" "	120.60	"			MS	Dbl checked
7/12/96	1320	" "	119.36	"			MS	
8/8/96	DDR	" "	129.32	"			MS	
9/6/96	1034	" "	128.71	"			MS	
2/4/97	1107	" "	109.38	"			SM	
5/9/97	1116	" "	121.00	"			JDR	
8/11/97	1252	" "	101.01	"			JDR	
11/6/97	1030	" "	88.84	"			JDR	
2/9/98	1329	" "	87.63	"			DB	
5/26/98	1600	" "	90.23	"			JDR	
11/9/98	1536	"	87.53	"			BFP	
5/14/99	1147	"	67.30	"			BFP	
11/19/99	1445	"	70.26	"			BFP	
5/22/00	1510	"	88.70	"			MAN	

LOCATION _____

PROJECT _____

Golder Associates

PZ-116-SS

WATER LEVEL DATA

WELL LOCATION PZ-200-SS MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
1/4/96	1333	elec probe	72.90	73.90			LH	weekly - [illegible]
2/6/96	1104	" "	73.21	"			MS	
3/4/96	1621	" "	73.49	"			MS	
4/3/96	0924	" "	73.60	"			MS	
4/30/96	1104	" "	73.65	"			WH	
5/1/96	1257	" "	73.63	"			WH	
5/2/96	1505	" "	73.65				WH	
5/3/96	1426	" "	73.58	"			WH	
6/13/96	1252	" "	73.27	"			MS	
7/12/96	1533	" "	73.35	"			MS	
8/8/96	1156	" "	73.69	"			MS	
9/6/96	1244	" "	73.55	"			MS	
2/4/97	0859	" "	72.90	"			SM	
5/9/97	1225	" "	72.36	"			JDR	
8/11/97	1031	" "	73.68	"			JDR	
11/6/97	0742	" "	73.05	"			JDR	
2/10/98	1450	" "	not able to measure due to a L.F. gas sampling cap				DTS	
5/26/98	1316	" "	not able to remove cap, stuck on well				JDR	
11/9/98	1156	"	65.03				BAP	
5/24/99	1412		56.46				BAP	
11/19/99	1445		58.04				BAP	
5/22/00	0925	"	54.29	"			MAM	

Golder Associates

PZ-200-SS

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-201A-SS

MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
4-24-95	07:34	elec. probe	27.16	TOR			JDM	hasn't been cut off
–	–	–	–	–	–	–	–	yet - 3' stickup
4-24-95	1600	elec. probe	26.36	TO Riser			MDA	Now cut & ~1.8ft marked
5-5-95	1635	" "	28.10	TOR			MDA	
5-23-95	1311	" "	69.09	TOPVC			AK	
6-7-95	0740	" "	66.71	TOPVC			AK	
6/27/95	0735	" "	65.46	TOPVC			AK	
7/10/95	1435	" "	65.46	TOPVC			AK	
7/26/95	1319	" "	65.86	TOPVC			AK	
8/26/95	938	" "	66.11	TOPVC			AK	
9/30/95	1126	" "	67.22	TOPVC			AK	
10/28/95	1337	" "	67.31	TOPVC			AK	
11/18/95	1302	" "	67.59	TOPVC			AK	
12/13/95	1601	" "	68.04	TOPVC			TAL	
1/4/96	1405	" "	68.03	TOPVC			WH	No weep hole
1/15/96		Weep hole drilled. S-Side						
2/6/96	1117	" "	68.24	TOPVC			MS	
3/4/96	1610	" "	68.24	TOPVC			MS	
4/3/96	0931	" "	68.10	TOPVC			MS	
4/30/96	1112	" "	68.16	TOPVC			WH	
5/1/96	1302	" "	68.14	"			WH	
5/2/96	1509	" "	68.14	"			WH	
5/3/96	1430	" "	68.13	"			WH	
6/13/96	1245	" "	67.50	"			MS	
7/12/96	1524	" "	67.08	"			MS	
8/8/96	1150	" "	66.99	"			MS	
8/22/96	1200	" "	66.73	"			MS	
8/22/96	–	Dw4 - purged to	90.34				MS	
8/26/96	1024	" "	77.15	"			MS	
9/6/96	1236	" "	67.51				MS	
2/4/97	0915	" "	66.54	"			SM	
5/9/97	1206	" "	65.79	"			JDR	
8/11/97	1004	" "	66.66	"			JDR	
11/6/97	0723	" "	66.21	"			JDR	
2/9/98	1205	" "	62.53	"			DVS	

Golder Associates

PZ-201A-SS

Water Level Data

Well: PZ-201A-55

Well Location PZ-201A-55 Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/26/98	1301	elec probe	63.27	TOP PVC			FDR	
11/9/98	1134	"	62.45	"			BFP	
5/14/99	1348	"	47.65	"			BFP	
5/22/00	0955	"	50.07	"			MAM	

PZ-201A-55

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-201-55 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5/3/96	1428	Elec. Probe	28.64	TOPVC			WH	
6/13/96	1243	" "	27.99	"			MS	
7/2/96	1520	" "	27.06	"			MS	
8/8/96	1152	" "	27.29	"			MS	
9/6/96	1233	" "	27.19	"			MS	
2/4/97	0910	" "	24.44	"			MS	
5/9/97	1209	" "	25.45	"			JDR	
8/11/97	1001	" "	25.66	"			JDR	
11/6/97	0926	" "	26.22	"			JDR	
2/10/98	1440	" "	25.91	"			DJS	
5/26/98	1259	" "	23.62	"			ADR	
11/9/98	1132	"	23.42	"			BFP	
5/14/99	1356	"	22.72				BFP	
5/22/00	0855	"	22.93	"			MAM	

LOCATION _____

PROJECT _____

Golder Associates

PZ-201-55

WELL or DATE

WATER LEVEL DATA

WELL LOCATION PZ-2D2-SS

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

LOCATION

PROJECT

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
7/12/96	1257	Elec. Probe	33.40	TOPVC			MS	
8/8/96	0942	" "	33.21	"			MS	
9/6/96	1006	" "	33.81	"			MS	
2/4/97	1128	" "	32.56	"			SM	
5/9/97	1610	" "	30.04	"			JDR	
8/11/97	1331	" "	31.55	"			JDR	
11/6/97	1033	" "	31.54	"			JDR	
2/9/98	1359	" "	29.33	"			DB	
5/26/98	1249	" "	25.69	"			JDR	
11/9/98	1620	"	26.48	"			BFP	
5/14/99	1250	"	22.07	"			BFP	
11/19/99	1445	"	27.31	"			BFP	
5/22/00	1430	"	25.21	"			MAN	

Golder Associates

PZ-2D2-SS

WATER LEVEL DATA

we dedicated w/ water

WELL LOCATION PZ-203-SS

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
6-7-95	1110	ELEC. PROBE	109.66	bgs			AK	UNFINISHED PIEZOMETER
6/26/95	806	" "	111.28	TOPVC			AK	
6/27/95	1000	" "	111.26	TOPVC			AK	
7/10/95	950	" "	111.02	TOPVC			AK	
7/26/95	1138	" "	NO WATER	TOPVC			AK	
8/8/95	908	" "	NO READING	TOPVC			AK	NO WATER
8/26/95	1118	" "	NO READING	TOPVC			AK	NO WATER
9/30/95	1020	" "	NO READING	TOPVC			AK	NO WATER
10/28/95	1146	"	NO READING	"			AK	NO WATER
11/18/95	1210	" "	NO READING	TOPVC			AK	NO WATER
12/13/95	1430	" "	NO READING	TO PVC			TAL	"
1/4/96	1450	" "	No reading	TO PVC			WH	No water
1/15/96			weep hole installed 2 since					
2/6/96	0814	" "	No Rdg				MS	No water
3/5/96	1512	" "	Dry	"			WH	
4/3/96	1421	" "	Dry	"			MS	
4/30/96	0902	" "	106.83	"			WH	
5/1/96	1012	" "	107.26	"			WH	
5/2/96	1243	" "	108.29	"			WH	
5/3/96	1156	" "	109.03	"			WH	
6/13/96	1108	" "	107.55	"			MS	
7/12/96	811	" "	111.07	"			MS	
8/8/96	1001	" "	111.04	"			MS	
9/6/96	1025	" "	111.10	"			MS	
2/4/97	1110	" "	100.70	"			SM	
5/9/97	1106	" "	104.78	"			JDR	
8/11/97	1301	" "	91.45	"			JDR	
11/6/97	1052	" "	86.24	"			JDR	
2/10/98	1508	" "	81.70	"			DTS	
5/26/98	1600	" "	78.73	"			JDR	
11/9/98	1601	"	78.22	"			BFP	
5/14/99	1243	"	66.37	"			BFP	
11/19/99	1445	"	66.35	"			BFP	
5/22/00	1435	"	72.48	"			MAM	

LOCATION

PROJECT

Golder Associates

PZ-203-SS

WELL or DATE

PZ-204A-SS

WATER LEVEL DATA

WELL LOCATION

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
7/6/95	1054	ELEC PROBE	62.09	TOPVC			AK	
7/10/95	928	" "	62.60	TOPVC			AK	
7/14/95	953	" "	62.39	TOPVC			AK	
7/26/95	1103	" "	62.51	TOPVC			AK	
8/15/95	800	" "	62.31	TOPVC			AK	
8/26/95	1138	" "	62.63	TOPVC			AK	
9/30/95	959	" "	64.11	TOPVC			AK	
10/28/95	1030	" "	64.34	TOPVC			AK	
11/8/95	1110	" "	64.61	TOPVC			AK	
12/13/95	1033	" "	64.71	TOPVC			TAL	
1/4/96	1503	" "	64.38	TOPVC			WH	WOEP 1315 WS 1.2e
2/6/96	0802	" "	62.78	"			MS	
3/5/96	1444	" "	63.01	"			WH	
4/2/96	1435	" "	62.70	"			MS	
4/30/96	1212	" "	61.73	"			WH	
5/1/96	1030	" "	61.49	"			WH	
5/2/96	1305	" "	61.45	"			WH	
5/3/96	1220	" "	61.47	"			WH	
6/13/96	0954	" "	62.09	"			MS	
7/12/96	0930	" "	62.63	"			MS	
8/8/96	0701	" "	63.62	"			MS	
8/22/96	1335	" "	64.09	"			MS	
8/22/96		don't —	purged to	84.16			MS	
9/6/96	0659	" "	64.75	"			MS	
2/3/97	1450	" "	64.58	"			SM	
5/9/97	1043	" "	63.51	"			JDR	
8/11/97	1234	" "	82.99	"			JDR	
11/6/97	1009	" "	63.36	"			JDR	
2/9/98	1321	" "	59.11	"			DTS	
5/28/98	1620	" "	56.01	"			JDR	
11/9/98	1548	"	56.60	"			BP	
5/14/99	1134	"	43.03				BP	
11/19/99	1445	"	46.74				BP	
5/22/00	1530	"	54.30	"			nam	

LOCATION

PROJECT

Golder Associates

PZ-204A-SS

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-204-SS

MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
3/25/95	11:12	Elec. Probe	27.26	TOPVC			WH	
4/9/95	15:15	Elec. Probe	27.46	TOR			JBM	cap not vented
5/6/95	8:35	" "	27.62'	TOPVC			BT	
5/15/95	12:00	" "	27.78	TOPVC			WH	
5-24-95			26.74	TOPVC			AK	
5-31-95	12:00	" "	27.09	TOPVC			AK	
6-7-95	1044	" "	27.11	TOPVC			AK	
6-13-95	0734	" "	27.47	TOPVC			AK	
6/23/95	0753	" "	27.35	TOPVC			AK	
6/27/95	0926	" "	27.43	TOPVC			AK	
7/10/95	923	" "	27.93	TOPVC			AK	
7/26/95	1058	" "	28.76	TOPVC			AK	
8/14/95	756	" "	30.25	TOPVC			AK	
8/26/95	1136	" "	30.15	TOPVC			AK	
9/30/95	957	" "	37.81	TOPVC			AK	
10/28/95	1627	" "	39.99	TOPVC			AK	
11/18/95	1107	" "	39.06	TOPVC			AK	
12/13/95	1028	" "	39.92	TOPVC			TAL	
1/4/96	1505	" "	39.05	TOPVC			[illegible]	[illegible] side
2/6/96	0800	" "	28.80	"			MS	
3/5/96	1442	" "	29.89	"			WH	
4/2/96	1433	" "	29.61	"			MS	
4/30/96	1211	" "	28.45	"			WH	
5/1/96	1028	" "	28.50	"			WH	
5/2/96	1307	" "	28.44	"			WH	
5/3/96	1222	" "	28.44	"			WH	
6/3/96	0952	" "	28.18	"			MS	
7/12/96	0928	" "	29.40	"			MS	
8/8/96	0700	" "	35.35	"			MS	
9/6/96	0657	" "	41.33	"			MS	double checks
2/3/97	1455	" "	42.54	"			SM	
5/9/97	1046	" "	36.40	"			JDR	
8/11/97	1232	" "	57.24	"			JDR	
11/6/97	0955	" "	42.85	"			JDR	14' of heavy iron staining on tape
2/10/98	1514	" "	35.11	"			DTS	"

Golder Associates

PZ-204-SS

Water Level Data

Well: PZ-204-SS

Well Location

Measuring Point

Elevation: Measuring Point

Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
2/10/98	1514	elec. probe	35.11	TOP PVC			DTB	iron staining on tape
5/26-28/98	~	unable to remove well cap from well, cap is stuck, C gas probe fitting attached by LF personnel						
11/9/98	1550		29.00				BFP	
5/14/99	1138		21.22				BFP	
11/19/99	1445		27.03				BFP	
5/22/00	1531	"	21.94	"			MAM	

PZ-205-AS

WELL or DATE

WATER LEVEL DATA

WELL LOCATION

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

LOCATION

PROJECT

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
6-6-95	1204	ELEC PROBE	27.33	TOPVC			AK	
6-7-95	1007	" "	26.25	TOPVC			AK	
6/27/95	0904	" "	26.58	TOPVC			AK	
7/5/95	1018	" "	26.59	TOPVC			AK	
7/10/95	842	" "	26.59	TOPVC			AK	
7/26/95	1038	" "	26.66	TOPVC			AK	
8/8/95	1000	" "	26.34	TOPVC			AK	
8/15/95	732	" "	26.64	TOPVC			AK	
8/26/95	1237	" "	26.93	TOPVC			AK	
9/30/95	929	" "	28.47	TOPVC			AK	
10/28/95	940	" "	29.09	TOPVC			AK	
11/18/95	1018	" "	29.33	TOPVC			AK	
12/15/95	837	" "	29.80	TOPVC			AK	
1/4/96	1559	" "	30.01	TOPVC			[illegible]	[illegible]
2/6/96	0843	" "	30.45	"			MS	
3/5/96	1548	" "	29.95	"			WH	
4/2/96	1536	" "	31.14	"			MS	
4/30/96	0936	" "	30.65	"			WH	
5/1/96	1108	" "	30.54	"			WH	
5/2/96	1334	" "	30.39	"			WH	
5/3/96	1254	" "	30.31	"			WH	
6/13/96	1045	" "	27.20	"			MS	
7/12/96	1333	" "	27.28	"			MS	
8/8/96	1127	" "	27.89	"			MS	
9/6/96	1048	" "	28.56	"			MS	
2/3/97	1436	" "	29.18	"			[illegible]	
5/9/97	1504	" "	27.16	"			JDR	
8/11/97	1214	" "	28.87	"			JDR	
11/6/97	0936	" "	26.63	"			JDR	
2/9/98	1309	" "	29.40	"			DTS	
5/26/98	1523	" "	27.11	"			JDR	
11/9/98	1530	"	27.56				BFP	
5/14/99	1056	"	26.97				BFP	
5/22/00	1001	"	31.94	"			MAA	

Golder Associates

PZ-205-AS

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-205-SS

MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-23-95	1120	Elec probe	34.42'	bgs			AK	unfinished piezometer
6-6-95	0740	" "	34.06	bgs			AK	
6-7-95	0955	" "	72.58	bgs			AK	BAILED WITHIN 24 HRS OF READ
6-9-95	1030	" "	26.59	TOPVC			AK	
6-16-95	1216	" "	36.81	TOPVC			AK	
6/27/95	0901	" "	37.32	TOPVC			AK	
7/10/95	838	" "	37.56	TOPVC			AK	
7/26/95	1036	" "	37.74	TOPVC			AK	
8/15/95	729	" "	37.65	TOPVC			AK	
8/26/95	1239	" "	38.33	TOPVC			AK	
9/30/95	926	" "	40.03	TOPVC			AK	
10/28/95	938	" "	40.09	TOPVC			AK	
11/18/95	1015	" "	40.50	TOPVC			AK	
12/15/95	839	" "	41.28	TOPVC			TAL	
1/4/96	1557	" "	41.50	TOPVC			WH	[illegible]
2/6/96	0846	" "	41.85	"			MS	
3/5/96	1545	" "	42.68	"			WH	
4/2/96	1538	" "	42.67	"			MS	
4/30/96	0934	" "	42.11	"			WH	
5/1/96	1107	" "	41.93	"			WH	
5/2/96	1333	" "	41.80	"			WH	
5/3/96	1252	" "	41.65	"			WH	
6/13/96	1043	" "	38.53	"			MS	
7/12/96	1333	" "	38.81	"			MS	
8/8/96	1029	" "	39.22	"			MS	
9/6/96	1050	" "	38.72	"			MS	
2/3/97	1435	" "	40.38	"			SM	
5/9/97	1506	" "	38.25	"			JDR	
8/11/97	1212	" "	39.69	"			JDR	
11/6/97	0934	" "	39.80	"			JDR	settlement, ground is Approx 6" under concrete
2/9/98	1308	" "	38.88	"			DTS	
5/26/98	1526	" "	36.59	"			PDR	" " " " "
11/9/98	1532	"	36.34				BFP	
5/14/99	1056	"	31.99				BFP	

Golder Associates

PZ-205-SS

Water Level Data

Well: P2-205-SS

Well Location P2-205-SS Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/22/00	1006	Elec. probe	37.33	PVC			MAM	

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-206-SS MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
3-11-95	1040	dipper	26.6	Corehole - bgs ~~B.G.S.~~	26.6		AMH	
3-25-95								
4-9-95	1736	electric probe	29.20		~~29.20~~		JDM	from top of 6" casing
4-21-95		ELEC PROBE	29.41	TOP OF CASING				~ 1.5' above grnd
5-5-95	1255	" "	44.62	TOPVC			BT	
5/16/95	815	" "	42.73	TOPVC			AK	
5-24-95	1053	" "	40.71	TOPVC			AK	
5-31-95	1415	" "	40.11	TOPVC			AK	
6-7-95	0941	" "	39.75	TOPVC			AK	
6/27/95	0845	" "	40.16	TOPVC			AK	
7/10/95	703	" "	40.63	TOPVC			AK	
7/26/95	1022	" "	41.16	TOPVC			AK	
8/15/95	714	" "	41.32	TOPVC			AK	
8/26/95	1255	" "	41.98	TOPVC			AK	
9/30/95	910	" "	44.71	TOPVC			AK	
10/28/95	925	" "	44.86	TOPVC			AK	
11/8/95	933	" "	45.01	TOPVC			AK	
12/14/95	1015	" "	[illegible]	TOPVC			TAL	Probably is wet. Back no reading
1/4/96	1627	" "	~~46.57~~	~~TOPVC~~			WH	Keep hole - S side
2/6/96	0859	" "	46.34	"			MS	
3/5/96	1639	" "	46.67	"			WH	
4/2/96	1607	" "	46.40	"			MS	
4/30/96	0957	" "	45.75	"			WH	
5/1/96	1135	" "	45.60	"			WH	
5/2/96	1400	" "	45.49	"			WH	
5/3/96	1302	" "	45.39	"			WH	
6/13/96	1327	" "	210.89	"			MS	
7/12/96	1401	" "	41.31	"			MS	
8/8/96	1050	" "	41.71	"			MS	
9/6/96	1103	" "	41.92	"			MS	
2/4/97	1031	" "	42.56	"			SM	
5/9/97	1456	" "	40.22	"			JDR	
8/11/97	1159	" "	41.88	"			JDR	
11/6/97	0920	" "	46.15	"			JDR	

LOCATION _____

PROJECT _____

Golder Associates

PZ-206-SS

Water Level Data

Well: PZ-206-SS

Well Location PZ-206-SS Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
2/10/98	1542	elec. probe	40.38	top PVC			DB	
5/26/98	1513	"	38.36	"			PDR	
11/9/98	1524		37.74	"			BFP	
5/14/99	1029	"	31.72	"			BFP	
11/19/99	1445	"	36.93	"			BFP	
5/22/00	1050	"	35.20	"			MAM	

PZ-206-SS

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-207-AS MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
5-5-95	1315	ELEC PROBE	31.79'	TOPVC			BT	
5-24-95	1436	" "	27.29'	TOPVC			AK	
6-7-95	5902	" "	AK 626.69	TOPVC			AK	
6/27/95	0802	" "	27.63	TOPVC			AK	
7/6/95	723	" "	27.82	TOPVC			AK	
7/10/95	758	" "	27.89	TOPVC			AK	
7/11/95	859	" "	27.82	TOPVC			AK	
7/26/95	1216	" "	28.16	TOPVC			AK	
8/15/95	1022	" "	28.15	TOPVC			AK	
8/26/95	1148	" "	28.66	TOPVC			AK	
9/25/95	831	" "	30.55	TOPVC			AK	
10/28/95	854	" "	31.28	TOPVC			AK	
11/18/95	941	" "	31.70	TOPVC			AK	
12/14/95	948	" "	32.38	TOPVC			TAL	
1/24/96	1301	" "	32.47	TOPVC			GAH	weighted S. side
2/6/96	0934	" "	33.05	"			MS	
3/4/96	1626	" "	33.60	"			MS	
4/3/96	0725	" "	33.91	"			MS	
4/30/96	1034	" "	32.93	"			WH	
5/1/96	1337	" "	32.74	"			WH	
5/2/96	1440	" "	32.52	"			WH	
5/3/96	1343	" "	32.45	"			WH	
6/13/96	0837	" "	28.58	"			MS	
7/12/96	1104	" "	29.05	"			MS	
8/8/96	0838	" "	29.73	"			MS	
9/6/96	0933	" "	30.74	"			MS	
2/4/97	0910	" "	31.60	"			SM	
5/9/97	1310	" "	28.85	"			JDR	
8/11/97	1121	" "	31.13	"			JDR	
11/6/97	0831	" "	32.28	"			JDR	
2/9/98	1235	" "	32.02	"			DTS	
5/26/98	1400	" "	28.46	"			JDR	
11/9/98	1236	"	29.61				BFP	
5/14/99	0854	"	28.66				BFP	

LOCATION _____

PROJECT _____

Golder Associates

PZ-207-AS

Water Level Data

Well: PZ-207AS

Well Location PZ-207-AS Measuring Point

Elevation: Measuring Point Ground Level

Well or Date	Time	Measuring Device	Reading	Corrections or Conversions	Water Level		By	Comments
					Depth	Elevation		
5/22/00	1145	Elec. probe	34.86	To PVC			MTM	

WELL or DATE _____

PZ-208-SS

WATER LEVEL DATA

WELL LOCATION _____ MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
7/11/95	731	Elec Probe	37.48	TOPVC			AK	
8/4/95	1005	" "	37.65	TOPVC			AK	
8/20/95	1621	" "	38.65	TOPVC			AK	
9/30/95	1057	" "	42.62	TOPVC			AK	
10/28/95	1408	" "	44.39	TOPVC			AK	
11/8/95	1327	" "	45.42	TOPVC			AK	
12/13/95	1027	" "	47.28	TOPVC			JAC	
1/4/96	1315	" "	45.65	TOPVC			WH	Weep hole - [illegible]
2/6/96	1027	" "	45.32	"			MS	
3/4/96	1704	" "	47.84	"			MS	
4/3/96	0850	" "	45.38	"			MS	
4/30/96	1050	" "	41.65	"			WH	
5/1/96	1322	" "	41.58	"			WH	
5/2/96	1532	" "	41.71	"			WH	
5/3/96	1415	" "	41.71	"			WH	
6/13/96	1017	" "	39.43	"			MS	
7/12/96	1237	" "	39.52	"			MS	
8/8/96	1215	" "	39.70	"			MS	
8/22/96	0715	" "	42.03	"			MS	
8/22/96	didn't - purged to			95.39			MS	
9/6/96	0927	" "	44.08	"			MS	
2/4/97	1108	" "	41.10	"			SM	
5/9/97	1245	" "	38.82	"			JDR	
8/11/97	1053	" "	43.49	"			JDR	
11/6/97	0959	" "	42.56	"			JDR	
5/26/98	1336	" "	32.[illegible]0	"			JDR	
11/9/98	1211	" "	35.51	"			BP	
11/19/99	1445	"	32.77	"			BP	
5/22/00	0935	"	31.24	"			MAM	

LOCATION _____

PROJECT _____

Golder Associates

PZ-208-SS

WELL or DATE _____

WATER LEVEL DATA PZ-301-SS

WELL LOCATION PZ-301-SS

MEASURING POINT _____

ELEVATION: MEASURING POINT _____

GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10/22/95	1943	elec. probe	157.56'	TOPVC			BT	prior to slug out test
10/28/95	1036	" "	156.62	"			AK	
11/18/95	1115	" "	157.52	"			AK	
12/13/95	1043	" "	130.52	"			TAL	
12/20/95	1222	" "	126.65	TOPVC			WH	
12/24/95	1446	" "	125.46	TOPVC			MS	
12/31/95	1420	" "	120.90	"			MS	
1/4/96	1515	" "	119.06	TOPVC			WH	[illegible]
2/5/96	1320	" "	107.85	"			MS	
3/4/96	1212	" "	99.58	"			MS	
4/2/96	1449	" "	94.54	"			MS	
4/30/96	1205	" "	91.10	"			WH	
5/1/96	1037	" "	90.99	"			WH	
5/2/96	1258	" "	90.85	"			WH	
5/3/96	1212	" "	90.77	"			WH	
6/13/96	1001	" "	87.36	"			MS	
7/12/96	0936	" "	85.95	"			MS	
8/8/96	0708	" "	85.27	"			MS	
8/20/96	1230	" "	85.06	"			MS	purged to 105.2
8/21/96		development	- purged	to ~161.5			MS	
9/6/96	0706	" "	150.39	"			MS	
2/3/97	1500	" "	92.38	"			SM	
5/9/97	1124	" "	119.48	"			JDR	

LOCATION _____

PROJECT _____

Golder Associates

PZ-301-SS

WELL or DATE _____

WATER LEVEL DATA PZ-302-AS

WELL LOCATION PZ-302-AS

MEASURING POINT _____

ELEVATION: MEASURING POINT _____

GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING (Ft)	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10-25-95	1035	ELECTROBE	18.97	TOPVC			MKS	Prior to slug testing
10/28/95	1100	Elec. Probe	19.08	TOPVC			AK	
11/18/95	1132	" "	19.34	TOPV			AK	
12/13/95	1125	" "	19.56	TO PVC			TAC	
1/4/96	1117	" "	20.08	TOPVC			WH	Weekly k 2/2/96
2/6/96	0750	" "	20.62	"			MS	
3/5/96	1431	" "	21.15	"			WH	
4/3/96	0819	" "	21.39	"			MS	
4/30/96	1538	" "	20.50	"			WH	
5/3/96	1535	" "	20.16	"			WH	
6/13/96	1138	" "	16.79	"			MS	
7/12/96	0945	" "	17.30	"			MS	
8/8/96	0714	" "	17.87	"			MS	
9/6/96	0712	" "	18.65	"			MS	
2/3/97	1631	" "	19.20	"			SM	
5/9/97	1011	" "	17.10	"			JDR	
5/22/00	1652	"	22.65	"			MM	

LOCATION _____

PROJECT _____

Golder Associates

PZ-302-AS

WELL or DATE _____

WATER LEVEL DATA PZ-302-AI

WELL LOCATION PZ-302-AI

MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10/25/95	1035	ELEC. PROBE	18.90	TOPVC			MAS	Prior to slug testing
10/28/95	1102	Elec Probe	18.99	TOPVC			AV	
11/8/95	1135	" "	19.15	TOPVC			"	
12/13/95	1128	" "	19.42	To PVC			TAL	
[illegible]	1219	" "	19.8[illegible]	TOPVC			[illegible]	[illegible]
2/6/96	0748	" "	20.49	"			MS	
3/5/96	1429	" "	21.07	"			WH	
4/3/96	0830	" "	24.40	"			MS	
4/30/96	1540	" "	20.38	"			WH	
5/3/96	1533	" "	20.05	"			WH	
6/13/96	1140	" "	16.79	"			MS	
7/12/96	0948	" "	17.10	"			MS	
8/8/96	0716	" "	17.74	"			MS	
9/6/96	0714	" "	18.49	"			MS	
2/3/97	1630	" "	19.13	"			SM	
5/9/97	1013	" "	16.90	"			JDR	
5/22/00	1655	"	22.22	"			MAM	

LOCATION _____

PROJECT _____

Golder Associates

PZ-302-A1

Use dedicate with water

WELL or DATE

WATER LEVEL DATA PZ-303-AS

WELL LOCATION PZ-303-AS

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10/28/95	1108	ELEC. PROBE	20.99'	TOPVC			AK	
11/18/95	1138	" "	21.17'	TOPVC			AK	
12/13/95	1145	" "	21.44'	To PVC			JAC	
1/4/96	[illegible]	" "	21.90	TOPVC			WH	No H2O
1/15/96		bag	hole	installed		D-side		
2/6/96	0739	" "	22.54	TOPVC			MS	
3/5/96	1414	" "	23.15	"			WH	
4/3/96	0824	" "	23.41	"			MS	
4/30/96	1530	" "	22.59	"			WH	
5/3/96	1526	" "	22.19	"			WH	
6/13/96	1152	" "	18.81	"			MS	
7/12/96	0953	" "	18.95	"			MS	
8/8/96	0726	" "	19.62	"			MS	
8/27/96	0650	" "	20.18	"			MS	
8/27/96	purged 12 gal, w.l.		20.23				MS	
9/6/96	0724	" "	20.42	"			MS	
2/3/97	1622	" "	21.20	"			JM	
5/9/97	1000	" "	19.00	"			JDR	
5/22/00	1620	"	24.26	"			MAM	

LOCATION

PROJECT

Golder Associates

PZ-303-AS

WELL or DATE

WATER LEVEL DATA PZ-304-AS

WELL LOCATION PZ-304-AS

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10/28/95	1117	ELEC. PROBE	21.52'	TOPVC			AK	
11/8/95	1456	" "	21.56	TOPVC			AK	
11/18/95	1144	" "	21.80	TOPVC			AK	
12/13/95	1156	" "	22.08	TOPVC			AK	
1/4/96	1726	" "	22.58	TOPVC			WH	WL 20.58
2/6/96	0734	" "	23.19	"			MS	
3/5/96	1407	" "	23.78	"			WH	
4/3/96	0828	" "	24.12	"			MS	
4/30/96	1528	" "	23.04	"			WH	
5/3/96	1524	" "	22.64	"			WH	
6/13/96	1154	" "	19.27	"			MS	
7/12/96	0956	" "	19.57	"			MS	
8/8/96	0731	" "	20.21	"			MS	
8/26/96	1530	" "	20.59	"			MS	
8/26/96 - dev'd, purged			12 gal	, w.l. 20.58			MS	
9/6/96	0731	" "	21.04	"			MS	
2/3/97	1614	" "	21.82	"			SM	
5/9/97	0957	" "	19.45	"			JDR	
5/23/00	1630	"	24.84	"			MAM	

LOCATION

PROJECT

Golder Associates

PZ-304-AS

WELL or DATE _____

WATER LEVEL DATA PZ-304-AI

WELL LOCATION PZ-304-AI

MEASURING POINT _____

ELEVATION: MEASURING POINT _____

GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10/28/95	1114	ELEC. PROBE	21.83'	TO PVC			AK	
11/8/95	1556	" "	21.56	TO PVC			AK	
11/18/95	1142	" "	22.04	TO PVC			AK	
12/13/95	1152	" "	22.36	TO PVC			TAC	
1/4/96	1720	" "	22.86	TO PVC			[illegible]	[illegible]
2/6/96	0736	" "	23.45	"			MS	
3/5/96	1409	" "	24.06	"			WH	
4/3/96	0830	" "	24.40	"			MS	
4/30/96	1526	" "	23.29	"			WH	
5/3/96	1523	" "	22.89	"			WH	
6/13/96	1156	" "	19.54	"			MS	
7/12/96	0958	" "	19.82	"			MS	
8/8/96	0729	" "	20.48	"			MS	
8/26/96	1315	" "	20.88	"			MS	
8/26/96	dw'4 - pumped		12 gal	w.l. 20.90			MS	
9/6/96	0734	" "	21.29	"			MS	
2/3/97	1610	" "	22.10	"			SM	
5/9/97	0955	" "	19.72	"			JDR	
8/22/00	1628	"	25.10	"			MAM	

Golder Associates

PZ-304-AI

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION PZ-305-AI

MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10/28/95	1300	Elec. Probe	29.18'	TOPVC			AK	
11/18/95	940	" "	27.48	TOPVC			AK	
12/15/95	1329	" "	27.99	TOPVC			AK	
1/4/96	1631	" "	28.25 TOPVC				WH	No weighte
1/15/96		weight hole installed N. side						
2/6/96	0859	Elec. Probe	28.72	TOPVC			MS	
3/5/96	1637	" "	29.35	"			WH	
4/3/96	1612	" "	29.49	"			MS	
4/30/96	1003	" "	29.06	"			WH	
5/1/96	1139	" "	28.94	"			WH	
5/2/96	1403	" "	28.71	"			WH	
5/3/96	1306	" "	28.63	"			WH	
6/13/96	1330	" "	24.92	"			MS	
7/12/96	1403	" "	25.11	"			MS	
8/8/96	1053	" "	25.81	"			MS	
9/6/96	1107	" "	26.60	"			MS	
2/4/97	1029	" "	27.40	"			SM	
5/9/97	1514	" "	25.04	"			JDR	
8/11/97	1203	" "	26.98	"			JDR	
11/6/97	0917	" "	27.88	"			JDR	
2/10/98	1546	" "	27.69	"			DB	
5/26/98	1511	" "	25.05	"			JDR	
5/14/99	1013	" "	25.03	"			BFP	
11/19/99	1445	" "	28.88	"			BFP	
5/22/00	1015	"	30.49	"			MAM	

Golder Associates

PZ-305-AI

use dedicated w.l. indicator WELL or DATE LR-100

WATER LEVEL DATA

WELL LOCATION LR-100

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10-18-95	1055	elec probe	18.04'	TOPVC			BT	
10/20/95	1443	" "	18.44	TOPVC			AJC	
11/13/95	1002	" "	18.70	TOPVC			AJC	
12/15/95	1255	" "	19.22	TOPVC			TA	
1/4/96	1657	" "	19.35	TOPVC			WH	[illegible]
2/5/96	1621	" "	18.98	"			MS	
3/4/96	1459	" "	18.52	"			MS	
4/3/96	0809	" "	18.51	"			MS	
4/30/96	1406	" "	17.87	"			WH	
5/3/96	1536	" "	17.48	"			WH	
6/13/96	0930	" "	17.10	"			MS	
7/12/96	1155	" "	17.37	"			MS	
8/8/96	0931	" "	18.28	"			MS	
9/6/96	0957	" "	18.74	"			MS	
2/4/97	1145	" "	17.25	"			SM	
5/9/97	1531	" "	17.70	"			JDR	
5/22/00	1657	"	18.23	"			MAN	

LOCATION

PROJECT

Golder Associates

LR-100

use dedicated w.l. indicator

WELL or DATE LR-102

WATER LEVEL DATA

WELL LOCATION LR-102

MEASURING POINT

ELEVATION: MEASURING POINT TOPVC

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10-18-95	1025	elec probe	61.03				BT	
10/28/95	1250	" "	59.45	TOPVC			AR	
11/8/95	1309	" "	61.23	TOPVC			AK	
11/18/95	953	" "	61.14	"			AK	
12/15/95	1241	" "	61.21	"			JAL	
1/4/96	[illegible]	" "	61.24	TOPVC			[illegible]	[illegible]
2/5/96	1612	" "	61.34	"			MS	
3/4/96	1444	" "	61.30	"			MS	
4/3/96	0750	" "	61.01	"			MS	
4/30/96	1358	" "	61.23	"			WH	
5/3/96	1548	" "	61.22	"			WH	
6/13/96	0916	" "	59.32	"			MS	
7/12/96	1145	" "	59.70	"			MS	
8/8/96	0921	" "	60.35	"			MS	
9/6/96	0947	" "	60.85	"			MS	
2/3/97	1345	" "	60.39	"			SM	
5/9/97	1546	" "	60.25	"			DR	
5/22/00	1702	"	59.73	"			MAM	

LOCATION

PROJECT

Golder Associates

LR-102

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION LR-103 MEASURING POINT T

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10/28/95	1240	Elec Probe	29.18'	TO PVC			AK	
10/30/95	1630	Elec. Probe	29.15'	TO PVC			MRS	Prior to slug testing
11/18/95	9:44	" "	29.42	TO PVC			AK	
12/5/95	1430	" "	29.96	TO PVC			TAC	
1/4/96	1651	" "	30.28	TO PVC			DAK	No well hole
2/5/96	1242	" "	30.70	"			MS	Drilled away hole
3/4/96	1203	" "	31.30	"			MS	
4/2/96	1659	" "	31.57	"			MS	
4/30/96	1422	" "	30.46	"			WH	
5/1/96	1203	" "	30.87	"			WH	
5/2/96	1421	" "	30.60	"			WH	
5/3/96	1325	" "	30.53	"			WH	
6/13/96	1033	" "	26.79	"			MS	
7/12/96	1412	" "	27.03	"			MS	
8/8/96	1101	" "	27.76	"			MS	
9/6/96	1128	" "	28.55	"			MS	
2/4/97	1009	" "	29.35	"			SM	
5/9/97	1521	" "	27.05	"			DR	
5/22/00	1010	"	27.09	"			MAM	

LOCATION _____

PROJECT _____

Golder Associates

LR-103

WELL or DATE

WATER LEVEL DATA LR-104

WELL LOCATION LR-104

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10/28/95	1239	ELEC. PROBE	27.69	TOPVC			AK	
11/18/95	938	" "	27.53	TOPVC			AK	
12/15/95	1325	" "	28.38	TO PVC			TAL	
1/4/96	1634	" "	28.72	TOPVC			WH	NP 2.95
1/15/96		weather hole installed N side						
2/6/96	0902	" "	29.17	TOPVC			MS	
3/5/96	1635	" "	29.78	"			WH	
4/3/96	1614	" "	29.91	"			MS	
4/30/96	1002	" "	29.54	"			WH	
5/1/96	1138	" "	29.42	"			WH	
5/2/96	1402	" "	29.19	"			WH	
5/3/96	1304	" "	29.14	"			WH	
6/13/96	1332	" "	25.36	"			MS	
7/12/96	1405	" "	25.58	"			MS	
8/8/96	1055	" "	26.27	"			MS	
9/6/96	1120	" "	27.03	"			MS	
2/4/97	1012	" "	27.84	"			SM	
5/9/97	1511	" "	25.60	"			JDR	
8/11/97	1201	" "	27.40	"			JDR	
11/6/97	0915	" "	28.33	"			JDR	
2/10/98	1545	" "	28.12	"			DB	
5/26/98	1308	" "	25.45	"			JDR	
11/9/98	1520	"	26.12	"			BFP	
5/14/99	1013	"	25.47	"			BFP	
11/19/99	1445	"	29.27	"			BFP	
5/22/00	1013	"	30.94	"			MAM	

LOCATION

PROJECT

Golder Associates

LR-104

use dedicated w.l. indicator

WELL or DATE LR-105

WATER LEVEL DATA

WELL LOCATION LR-105

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
10-18-95	1100	elec. probe	34.26'	TOPVC				
10/28/95	1258	" "	34.98'	TOPVC			AK	
11/8/95	1335	" "	34.24	TOPVC			AK	
11/18/95	957	" "	34.35	TOPVC			AK	
12/15/95	1248	" "	34.41	TOPVC			TAC	
1/4/96	[illegible]	" "	[illegible]	TOPVC			WH	weather too cold
2/5/96	1617	" "	33.39	"			MS	
3/4/96	1454	" "	33.18	"			MS	
4/3/96	0800	" "	33.09	"			MS	difficult to read
4/30/96	1402	" "	33.40	"			WH	
5/3/96	1545	" "	33.36	"			WH	
6/13/96	0922	" "	33.18	"			MS	
7/12/96	1151	" "	33.08	"			MS	
8/8/96	0927	" "	28.95	"			MS	
9/6/96	0952	" "	33.18	"			MS	
2/4/97	1210	" "	33.00	"			SM	
5/9/97	1540	" "	32.602	"			PDR	
5/23/00	1720	"	33.21	"			MA	

LOCATION

PROJECT

Golder Associates

LR-105

WATER LEVEL DATA

WELL LOCATION MW-F-1-S MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1410	FL. PROBE	33.02	TOPVC			JA	
12/20/95	1306	" "	29.96	TOPVC			GOH	
12/24/95	1605	" "	29.88	TOPVC			MS	
12/26/95	1116	" "	29.90	TOPVC			MS	
12/31/95	1520	" "	30.01	TOPVC			MS	
1/4/96	1516	" "	PVC cap is stuck/broken				WH	
2/6/96	0920	" "	30.71	TOPVC			MS	
3/5/96	1620	" "	31.39	"			WH	
4/2/96	1647	" "	31.64	"			MS	
4/30/96	1016	" "	31.17	"			WH	
5/1/96	1158	" "	31.06	"			WH	
5/2/96	1419	" "	30.82	"			WH	
5/3/96	1316	" "	30.74	"			WH	
6/13/96	1311	" "	26.85	"			MS	
7/12/96	1358	" "	27.08	"			MS	
8/8/96	1045	" "	27.65	"			MS	
9/6/96	1113	" "	28.56	"			MS	
2/4/97	1025	" "	29.48	"			SM	
5/9/97	1444	" "	26.94	"			PDR	
8/11/97	1149	" "	28.94	"			JDR	
11/6/97	0856	" "	29.99	"			JDR	
2/10/98	1554	" "	29.78	"			DJ	
5/26/98	1453	" "	26.79	"			PDR	
11/9/98	1438	" "	27.61	"			BFP	
5/22/06	1104	" dry	@ 32.46	"			MAM	

LOCATION

PROJECT

Golder Associates

MW-F-1-S

WATER LEVEL DATA

WELL LOCATION MW-F-1-D MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1412	EL PROBE	33.34	TO PVC			TAL	
12/20/95	1304	" "	30.30	TOPVC			WH	
12/24/95	1603	" "	30.19	TOPVC			MS	
12/26/95	1117	" "	30.20	TOPVC			MS	
12/31/95	1512	" "	30.33	TOPVC			MS	
1/4/96	1645	" "	30.62	TOPVC			WH	
2/6/96	0920	" "	31.08	"			MS	
3/5/96	1619	" "	31.74	"			WH	
4/2/96	1650	" "	31.93	"			MS	
4/30/96	1014	" "	31.45	"			WH	
5/1/96	1157	" "	31.33	"			WH	
5/2/96	1417	" "	31.05	"			MS	
5/3/96	1317	" "	31.00	"			MS	
6/13/96	1313	" "	27.10	"			MS	
7/12/96	1359	" "	27.37	"			MS	
8/8/96	1046	" "	28.07	"			MS	
9/6/96	1114	" "	28.88	"			MS	
2/4/97	1030	" "	29.76	"			SM	
5/9/97	1441	" "	27.26	"			JDR	
8/11/97	1147	" "	29.26	"			JDR	
11/6/97	0854	" "	30.31	"			JDR	
2/10/98	1552	" "	30.09	"			DTB	
5/26/98	1455	" "	27.10	"			JDR	
5/22/00	1102		—					could not get reading - PVC bent at 45° angle - probe wouldn't go down

LOCATION

PROJECT

Golder Associates

MW-F1-D

WELL or DATE _____ X

MW-1201

WATER LEVEL DATA MW-1201

WELL LOCATION MW-1201 MEASURING POINT N. on Riser

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
4-26-95	1630	ELEC PROBE	123.12	TOR			MDA	
5-5-95	1650	" "	115.91	TOR			MDA	
5-25-95	1035	" "	134.05	~~TOPVC~~ TOR			AIC	
6/27/95	1050	" "	35.58	~~TOPVC~~ TOR			AK	
7/11/95	712	" "	55.10	TOR			AIC	
7/26/95	1156	" "	90.09	TOR			AK	
8/15/95	925	" "	99.49	TOPVC			AK	
8/26/95	1122	" "	117.12	TOPVC			AIC	
9/30/95	1040	" "	104.41	TOR			AK	
10/28/95	1205	" "	107.17	TOR			AIC	
11/18/95	1145	" "	107.54	TOR			AK	
12/13/95	1500	" "	107.54	TOPVC			TAC	
1/24/96	1428	" "	106.48	TOPVC			WH	
2/6/96	1130	" "	103.83	"			MS	
3/5/96	1528	" "	109.50	"			WH	
4/2/96	1354	" "	102.98	"			MS	
4/30/96	0841	" "	103.11	"			WH	
5/1/96	0955	" "	102.82	"			WH	
5/2/96	1040	" "	102.85	"			SCS	
6/13/96	1121	" "	103.60	"			MS	
7/12/96	1301	" "	102.08	"			MS	
8/8/96	0949	" "	104.01	"			MS	
9/6/96	1012	" "	108.65	"			MS	
2/4/97	1138	" "	96.70	"			SM	
5/9/97	1053	" "	95.29	"			JDR	H_2O in annular space between well casing & steel cs
8/11/97	1322	" "	94.04	"			JDR	" " " "
11/6/97	1035	" "	88.25	"			JDR	vapor cap on tight
2/9/98	1355	" "	75.37	"			DJS	
5/26/98	1244	" "	82.64	"			JDR	
11/9/98	1613	" "	74.87	"			BFP	
5/22/00	1500	"	62.42	"			MAM	

LOCATION

PROJECT LAROLAND DU-2 RIFS/MO 943-2343.202

Golder Associates

MW-1201
MW-1201

WELL or DATE X

MW-1204

WATER LEVEL DATA

MW-1204

WELL LOCATION MW-1204 Cased and set in circular concrete pad

MEASURING POINT North on Riser

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
4/26/95	1308	ELEC. PROBE	169.74	TOR			MDA	
5-7-95	1100	" "	166.28	TOR			MDA	
5-25-95	1011	" "	124.20	~~TOPVC~~ TOR			AK	
6-7-95	1054	" "	148.38	~~TOPVC~~ TOR			AK	
6/27/95	0947	" "	151.80	~~TOPVC~~ TOR			AK	
7/10/95	939	" "	149.44	TOR			AK	
7/26/95	1127	" "	155.62	TOR			AK	
8/15/95	813	" "	128.36	TOR			AK	
9/30/95	1010	" "	180.06	TOR			AK	DOUBLE CHECKED
10/28/95	1135	" "	161.28	TOR			AK	
11/18/95	1157	" "	182.40	TOR			AK	
12/15/95	952	" "	176.34	TOR			TAL	
1/4/96	1501	" "	178.62	TOR			AK	
2/6/96	0908	" "	129.06	"			MS	
3/5/96	1503	" "	166.60	"			WH	
4/2/96	1428	" "	153.07	"			MS	Double checked
4/30/96	0915	" "	143.70	"			WH	
5/1/96	1022	" "	141.46	"			WH	
5/2/96	1015	" "	141.03	"			SCS	
5/3/96	1206	" "	141.26	"			WH	
6/13/96	1058	" "	125.28	"			MS	Double checked
7/12/96	1318	" "	152.69	"			MS	" "
8/8/96	1006	" "	132.50	"			MS	" "
9/6/96	1033	" "	157.19	"			MS	
2/4/97	1108	" "	141.66	"			SM	
5/9/97	1113	" "	146.22	"			JDR	
8/11/97	1254	" "	135.61	"			JDR	
11/6/97	1017	" "	139.15	"			JDR	
2/9/98	1326	" "	130.13	"			DJS	
5/26/98	1610	" "	130.36	"			JDR	
11/9/98	1554	" "	95.77	"			BFP	
5/14/99	1158	" "	68.13	"			BFP	
11/19/99	1445	" "	113.89	"			BFP	
5/22/00	1515	"	—	obstruction @		86.89 ft	MAM.	

115.91

LOCATION

PROJECT LANDFILL NW-2 RIFS/MO 943-2848.202

Golder Associates

MW-1204
MW-1204

Note: use dedicated w.l. meter

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION Q-71
W end of quarry; 14" ϕ steel, 9' stick-up

MEASURING POINT TOR at elevation pt (el. 457.30) 457.30

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
3/4/96	1530	Elec Probe	92.40				MS	
4/2/96	1638	" "	92.06				MS	v. difficult to read.
4/30/96	1000	" "	could not get accurate reading				WH	
6/13/96	1430	" "	71.5?	92.3? inaccurate reading			MS	
7/12/96	1220	" "	75'?	95'? "		"	MS	

LOCATION _____

PROJECT _____

Golder Associates

S-1

WATER LEVEL DATA

WELL LOCATION S-1 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1059	Elec. Probe	15.32	TOPVC				Begin Stage Tested by MH
2/5/95	1420	" "	16.14	"			MMA	
3/4/96	1252	" "	16.74	"			MS	
4/2/96 ~~4/10/96~~	~~1510~~	" "	16.94	"			M-H	
4/30/96	1510	" "	15.62	"			WH	
5/1/96	1430	" "	15.38	"			WH	
5/2/96	1533	" "	15.10	"			WH	
5/3/96	1512	" "	15.00	"			WH	
6/13/96	0741	" "	11.56	"			MS	
7/12/96	1013	" "	12.14	"			MS	
8/8/96	0745	" "	12.84	"			MS	
9/6/96	0752	" "	13.74	"			MS	
2/3/97	1512	" "	14.75	"			SM	
5/9/97	0940	" "	12.06	"			PDR	
5/22/00	1556		17.87	"			MAM	

LOCATION

PROJECT

Golder Associates

S-1

S-5✓

WATER LEVEL DATA

WELL LOCATION S-5 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95		ELEC PROBE	37.34				TAC	
2/6/96	0956	" "	38.09				MS	
3/4/96	1639	" "	38.60				MS	
4/2/96			38.96				M-H	
4/30/96	1557	" "	38.25				WH	
5/1/96	1342	" "	38.12				WH	
5/2/96	1443	" "	37.90				WH	
5/3/96	1406	" "	37.79				WH	
6/13/96	1346	" "	33.82				MS	
7/12/96	1433	" "	34.10				MS	
8/8/96	1122	" "	34.73				MS	
9/6/96	1153	" "	34.52				MS	
2/3/97	1417	" "	36.38				SM	
5/9/97	1425	" "	33.56				PDR	
8/11/97	1135	" "	35.60				JDR	
11/6/97	0839	" "	36.98				JDR	
2/10/98	1412	" "	36.45				DJS	
5/26/98	1417	" "	32.67				PDR	
11/9/98	1250	"	34.32				BFP	
5/14/99	0916	"	32.91				BFP	
11/19/99	1445	"	37.22				BFP	
5/22/00	1132	"	39.03				MA-M	

LOCATION

PROJECT

Golder Associates

S-5

WELL or DATE _____

S-8 / WATER LEVEL DATA

WELL LOCATION S-8 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1135	ELECT. PROBE	13.02'	TOPVC			JAL	
2/5/96	1448	" "	13.67	"			MS	
3/4/96	1321	" "	14.33	"			MS	
4/2/96			14.50	"			M-H	
4/30/96	1458	" "	13.03	"			WH	
5/3/96	1458	" "	12.58	"			WH	
6/13/96	0805	" "	8.52	"			MS	
7/12/96	1039	" "	9.36	"			MS	
8/8/96	0803	" "	10.04	"			MS	
9/6/96	0815	" "	11.15	"			MS	
2/3/97	1550	" "	12.40	"			SM	
5/9/97	0905	" "	9.21	"			PDR	

Golder Associates

S-8

S-10 /

WATER LEVEL DATA

WELL LOCATION 5-10 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1225	ELEC. PROBE	49.40	TOPVC			TAL	no L.L. No CAP
2/5/96	1601	" "	49.88	"			MS	
3/4/96	1432	" "	50.45	"			MS	
4/2/96			50.85	"			M-H	
4/30/96	1312	" "	49.87	"			WH	
5/3/96	1554	" "	49.26	"			WH	
6/13/96	0910	" "	45.38	"			MS	
7/12/96	1140	" "	45.81	"			MS	
8/8/96	0902	" "	46.19	"			MS	
9/6/96	0941	" "	47.40	"			MS	
2/3/97	1147	" "	48.60				SM	
5/9/97	1354	" "	45.57	"			DR	
5/22/00	1115	"	51.67	"			MAM	

LOCATION

PROJECT

Golder Associates

S-10

S-51-M✓

WATER LEVEL DATA

WELL LOCATION S-51 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/13/95	1051	Electric Probe	17.66	To PVC			TAL	
2/5/96	1631	" "	18.42	"			MS	may be S-51-M
3/4/96	1516	" "	19.16	"			MS	
4/2/96			19.09	"			M-H	
4/30/96	1222	" "	18.50	"			WH	
5/1/96	1050	" "	18.46	"			WH	
5/2/96	1315	" "	18.38	"			WH	
5/3/96	1228	" "	18.32	"			WH	
6/13/96	0944	" "	13.55	"			MS	Old checked
7/12/96	0911	" "	15.52	"			MS	
8/8/96	0657	" "	16.21	"			MS	
9/6/96	0653	" "	17.14	"			MS	
2/3/97	1945	" "	17.50	"			SM	
5/9/97	1025	" "	15.31	"			TDR	
5/23/00	1255	in the	middle	of a	pond			

LOCATION

PROJECT

Golder Associates

S-51

S-61 / WATER LEVEL DATA

WELL LOCATION S-61 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1548	Elect. Probe	18.58				TAC	
2/5/96	1437	" "	19.39				MS	
3/4/96	1259	" "	20.01				MS	
4/2/96			20.29				M-H	
4/30/96	1351	" "	19.28				WH	
5/3/96	1622	" "	18.66				WH	
6/13/96	0755	" "	14.69				MS	
7/12/96	1025	" "	14.99				MS	
8/8/96	0752	" "	15.99				MS	
9/6/96	0802	" "	15.01				MS	
2/3/97	1255	" "	18.16				SM	
5/9/97	0930	" "	15.14				PDR	
5/22/00	1550	"	19.47				MAM	

LOCATION

PROJECT

Golder Associates

S-61

S-75 /

WATER LEVEL DATA

WELL LOCATION S-75

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1305	ELEC. PROBE	29.32	70 PVC			TAL	
2/5/96	1657	" "	29.87	"			MS	
3/4/96	1503	" "	29.90	"			MS	
4/2/96			29.89	"			M-H	
4/30/96	1552	" "	29.70	"			WH	
5/3/96	1543	" "	28.91	"			WH	
6/13/96	0927	" "	26.23	"			MS	
7/12/96	1159	" "	27.40	"			MS	
8/8/96	0935	" "	27.40	"			MS	
9/6/96	1001	" "	28.89	"			MS	
2/4/97	1205	" "	28.30	"			SM	
5/9/97	15:35	" "	27.60	"			PDR	
5/22/00	1635	well riser broken at		ground	level		MAN	

LOCATION

PROJECT

Golder Associates

S-75

S-82

WELL or DATE

WATER LEVEL DATA

WELL LOCATION S-82

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1043	ELEC. PROBE	18.82'	TO PVC			TAL	
2/6/96	0777	" "	19.76	"			MS	
3/5/96	1401	" "	20.38	"			WH	
4/2/96			20.61	"			M-H	
4/30/96	1519	" "	19.58	"			WH	
5/3/96	1518	" "	19.08	"			WH	
6/13/96	1201	" "	15.37	"			MS	
7/12/96	1004	" "	15.83	"			MS	
8/8/96	0736	" "	16.52	"			MS	
9/6/96	0740	" "	17.40	"			MS	
2/3/97	1557	" "	18.43	"			SM	
5/9/97	0944	" "	15.73	"			PDR	
5/22/00	1602	"	21.45	"			MAN	

LOCATION

PROJECT

Golder Associates

S-82

S-84 ✓

WELL or DATE S-84

WATER LEVEL DATA

WELL LOCATION S-84
Just inside main gate

MEASURING POINT Top of PC ; TOPVC
is ~2-3' down

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION

PROJECT

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2/6/96	1008	Elec. Probe	28.72	TOR			MS	
3/4/96	1647	" "	could not reach PVC cap to open riser				MS	
4/2/96			27.07	"			M-H	
6/13/96	1355	" "	could not reach cap to open riser				MS	
7/2/96	1059	" "	22.38	TOPVC			MS	
8/8/96	0833	" "	23.07	"			MS	
9/6/96	0930	" "	24.10	"			MS	
2/4/97	0845	" "	24.76	"			SM	
5/9/97	1258	" "	22.15	"			JDR	
8/11/97	1105	" "	24.47	"			JDR	
11/6/97	0827	" "	25.60	"			JDR	
~~[illegible]~~								
6/26/98	1356	" "	21.57	"			JDR	
11/9/98	1228	"	22.95	"			BFP	
5/14/99	0833	"	21.83				BFP	
11/19/99	1445	"	26.50	"			BFP	
5/22/00	1148	"	28.15	"			MAM	

Golder Associates

S-84

S-88 ✓

WELL or DATE 5-88

WATER LEVEL DATA

WELL LOCATION S-88
Concrete plant area, across ditch from LR-103

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

LOCATION

PROJECT

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2/5/96	1250	Elec. Probe	32.14	TOPVC			MS	PC bent
3/5/96	1628	" "	32.86	"			WH	
4/2/96			33.11	"			M-H	
4/30/96	1415	" "	32.40	"			WH	
5/1/96	1146	" "	32.34	"			WH	
5/2/96	1408	" "	32.08	"			WH	
5/3/96	1306	" "	32.04	"			WH	
6/13/96	1335	" "	28.26	"			MS	
7/12/96	1408	" "	28.52	"			MS	
8/8/96	1058	" "	29.20	"			MS	
9/6/96	1624	" "	30.02	"			MS	
2/4/97	1002	" "	30.86	"			SM	
5/9/97	1579	" "	28.40	"			PDR	csg. broken @ ground
8/11/97	1206	" "	30.41	"			JDR	csg. broken @ ground
11/6/97	0913	" "	31.34	"			JDR	" " " "
5/26/98	1503	" "	28.45	"			PDR	" " " "
11/9/98	1514		29.11				BFP	
5/14/99	1022		29.44				BFP	
5/22/00	1026		34.03				MAM	

Golder Associates

S-88

WELL or DATE _____

I-2

WATER LEVEL DATA

WELL LOCATION I-2 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1058	ELEC. PROBE	15.40	TO PVC			Melanie Hart	provided WL
2/5/96	1118	" "	16.06	"			MS	
3/4/96	1250	" "	16.67	"			MS	
4/2/96			16.90	"			M-H	
4/30/96	1512	" "	15.80	"			WH	
5/1/96	1432	" "	15.60	"			WH	
5/2/96	1534	" "	15.37	"			WH	
5/3/96	1510	" "	15.26	"			WH	
6/13/96	0743	" "	11.48	"			MS	
7/12/96	1012	" "	12.06	"			MS	
8/8/96	0743	" "	12.75	"			MS	
9/6/96	0750	" "	13.68	"			MS	
2/3/97	1515	" "	14.74	"			SM	
5/9/97	0937	" "	11.95	"			PDR	
5/22/00	1555	"	17.85	"			MAM	

Golder Associates

I-4

WATER LEVEL DATA

WELL LOCATION I-4 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1352	ELEC. PROBE	37.32	TOPK			TAC	
2/6/96	0953	" "	38.04	"			MS	
3/4/96	1644	" "	38.45	"			MS	
4/2/96			38.92	"			M-H	
4/30/96	1559	" "	38.12	"			WH	
5/1/96	1343	" "	37.99	"			WH	
5/2/96	1444	" "	37.75	"			WH	
5/3/96	1407	" "	37.64	"			WH	
6/13/96	1348	" "	33.68	"			MS	
7/12/96	1435	" "	34.05	"			MS	
8/8/96	1124	" "	34.73	"			MS	
9/6/96	1156	" "	34.58	"			MS	
2/3/97	1415	" "	36.46	"			JM	
5/9/97	1423	" "	33.75	"			JDR	
8/11/97	1133	" "	35.90	"			JDR	
11/6/97	0837	" "	36.96	"			JDR	
2/10/98	1418	" "	36.70	"			DB	
5/26/98	1415	" "	33.43	"			JDR	
11/9/98	1251	"	34.30	"			BFP	
5/14/99	0912	"	33.52	"			BFP	
11/19/99	1445	"	37.66	"			BFP	
5/22/00	1134	"	34.40	"			MAM	

LOCATION

PROJECT

Golder Associates

I-4

WELL or DATE _____

I-7

WATER LEVEL DATA

WELL LOCATION I-7 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1125	ELEC. PROBE	15.92	TOPVC			JAC	
2/5/96	1440	" "	16.66	"			MS	
3/4/96	1308	" "	17.28	"			MS	
4/2/96		"	17.52	"			M-H	
4/30/96	1504	" "	16.46	"			~~MS~~ WH	
5/3/96	1504	" "	15.84	"			WH	
6/13/96	0759	" "	11.71	"			MS	
7/12/96	1033	" "	12.42	"			MS	
8/8/96	0758	" "	13.11	"			MS	
9/6/96	0808	" "	14.12	"			MS	
2/3/97	1535	" "	15.38	"			SM	
5/9/97	0920	" "	12.27	"			PDR	

LOCATION _____

PROJECT _____

Golder Associates

I-7

I-9

WATER LEVEL DATA

WELL LOCATION I-9 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1041	ELEC. PROBE	19.92	TO PVC			TAL	
2/6/96	0721	" "	20.58	"			MS	map shows as I-7
3/5/96	1355	" "	21.17	"			MS	
4/2/96			21.40	"			M-H	
4/30/96	1517	" "	20.36	"			WH	
5/3/96	1515	" "	19.87	"			WH	
6/13/96	1204	" "	16.18	"			MS	
7/12/96	1006	" "	16.64	"			MS	
8/8/96	0737	" "	17.32	"			MS	
9/6/96	0742	" "	18.20	"			MS	
2/3/97	1557	" "	19.24	"			SM	
5/9/97	0945	" "	16.52	"			DOR	
5/22/00	1605	"	22.23	"			MAM	

LOCATION

PROJECT

Golder Associates

I-11

WATER LEVEL DATA

WELL LOCATION I-11 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1227	ELEC. PROBE	49.10	TO PVC			TAL	
2/5/96	1609	" "	49.86	"			MS	
3/4/96	1429	" "	50.42	"			MS	
4/2/96			50.75				M-H	
4/30/96	1313	" "	49.79	"			WH	
5/3/96	1552	" "	49.16	"			WH	
6/13/96	0912	" "	45.26	"			MS	
7/12/96	1142	" "	45.78	"			MS	
8/8/96	0904	" "	46.49	"			MS	
9/6/96	0943	" "	47.38	"			MS	
2/3/97	1145	" "	48.60	"			SM	
5/9/97	1352	" "	45.53	"			[illegible]	
5/22/00	1116	"	51.65	"			MAM	

LOCATION

PROJECT

Golder Associates

I-11

I-62

WATER LEVEL DATA

WELL LOCATION I-62 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1602	EL. PROBE	15.18				JK	
2/5/96	1538	" "	15.87				MS	
3/4/96	1413	" "	16.51				MS	
4/2/96			16.71				M-H	
4/30/96	1326	" "	15.50				WH	
5/3/96	1614	" "	14.86				WH	
6/13/96	0853	" "	10.81				MS	
7/12/96	1116	" "	11.58				MS	
8/8/96	0848	" "	12.28				MS	
9/6/96	0909	" "	13.29				MS	
2/3/97	1316	" "	14.60				SM	
5/9/97	0911	" "	11.44				PDR	

LOCATION

PROJECT

Golder Associates

I-62

I-65

WATER LEVEL DATA

WELL LOCATION I-65 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1515	EL. PROBE	10.74	TO PVC			TAL	
2/5/96	1505	" "	11.40	"			MS	
3/4/96	1333	" "	12.07	"			MS	
4/2/96			12.31	"			M-H	
4/30/96	1445	" "	11.08	"			WH	
5/3/96	1643	" "	10.53	"			WH	
6/13/96	0819	" "	6.34	"			MS	
7/12/96	1047	" "	7.13	"			MS	
8/8/96	0814	" "	7.83	"			MS	
9/6/96	0831	" "	8.91	"			MS	
2/3/97	1210	" "	10.15	"			SM	
5/9/97	1325	" "	7.00	"			PDR	
5/22/00	1340	"	10.23	"			MAM	

LOCATION

PROJECT

Golder Associates

I-65

I-66

WELL or DATE I-66

WATER LEVEL DATA

WELL LOCATION I-66
in ditch along St Charles Rock Rd

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

LOCATION

PROJECT

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2/5/96	1515	Elec. Probe	11.38	TOPVC			MS	
12/15	1537	" "	10.78	TOPVC			TL	
3/4/96	1343	" "	12.07	"			MS	
4/2/96			12.28				M-H	
4/30/96	1452	" "	11.11	"			WH	
5/3/96	1610	" "	10.61	"			WH	
6/13/96	0924	" "	6.53	"			MS	
7/12/96	1052	" "	7.26	"			MS	
8/8/96	0824	" "	7.97	"			MS	
9/6/96	0838	" "	9.05	"			MS	
2/3/97	1200	" "	10.06	"			JM	
5/9/97	1330	" "	7.09	"			PDR	
5/22/00	1350	"	11.60	"			MAT	

Golder Associates

I-66

I-67

WELL or DATE I-67

WATER LEVEL DATA

WELL LOCATION I-67
In ditch along St. Charles Rock Rd

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

LOCATION

PROJECT

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2/5/96	1521	Elec. Probe	11.26	TOPVC			MS	
2/15/96	1533	" "	10.72	"			TL	
3/4/96	1350	" "	11.94	"			MS	
4/2/96			12.16	"			M-H	
5/3/96	1636	" "	10.36	"			WH	
6/13/96	0831	" "	6.61	"			MS	
7/12/96	1056	" "	7.28	"			MS	
8/8/96	0826	" "	7.99	"			MS	
9/6/96	0923	" "	9.09	"			MS	
2/4/97	0820	" "	9.78	"			SM	
5/9/97	1336	" "	7.10	"			[illegible]	
5/22/00	1310	"	11.63	"			MAM	

Golder Associates

I-67

WELL or DATE _____

I-68

WATER LEVEL DATA

WELL LOCATION I 68 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/14/95	923	ELEC PROBE	19.32	TO PVC			TAL	No Cap
2/6/96	1012	" "	19.86	"			MS	
3/4/96	1652	" "	20.48	"			MS	
4/2/96			20.64	"			M-H	
4/30/96	1045	" "	19.03	"			WH	
5/1/96	1332	" "	19.08	"			WH	
5/2/96	1450	" "	19.01	"			WH	
5/3/96	1631	" "	18.88	"			WH	
6/13/96	1213	" "	15.18	"			MS	
7/12/96	1440	" "	16.03	"			MS	
8/8/96	1129	" "	16.75	"			MS	
9/6/96	1203	" "	17.72	"			MS	
2/4/97	0827	" "	18.19	"			SM	
5/9/97	1254	" "	15.78	"			JDR	PVC csg loose @ or ground level, moves, inside steel c
8/11/97	1057	" "	18.13	"			JDR	" " " "
11/5/97	0806	" "	19.21	"			JDR	" " " "
2/10/98	1426	" "	18.88	"			DB	
5/26/98	1348	" "	15.03	"			JDR	" " " "
11/9/98	1220	" "	16.56	"			BFP	
5/14/99	0839	" "	15.27	"			BFP	
11/19/99	1320	" "	20.09	"			BFP	
5/22/00	0943	"	21.70	"			MAM	

I-73

WATER LEVEL DATA

WELL LOCATION I-73 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	848	ELEC. PROBE	30.68	TO PVC				No Cap
2/5/96	1257	" "	31.37	"			MS	Broken hinge
3/5/96	1632	" "	31.95	"			MS	No PVC cap steel cap marked off
4/2/96			32.35	"			M-H	
4/30/96	1411	" "	31.65	"			WH	
5/1/96	1143	" "	31.50	"			WH	
5/2/96	1406	" "	31.39	"			WH	
5/3/96	1303	" "	31.25	"			WH	
6/13/96	1039	" "	27.34	"			MS	
7/12/96	1341	" "	28.03	"			MS	
8/8/96	1032	" "	28.55	"			MS	
9/6/96	1053	" "	29.33	"			MS	
2/4/97	1047	" "	29.50	"			SM	
5/9/97	1508	" "	27.77	"			PDR	PVC csg broken @ grade level, holes in steel csg
8/11/97	1209	" "	29.56	"			JDR	" " "
11/6/97	0932	" "	30.41	"			JDR	" " "
2/10/98	1537	" "	30.27	"			DJB	
5/26/98	1530	" "	27.77	"			PDR	" " "
11/9/98	1528	"	28.09	"			BAP	" "
5/14/99	1050	"	27.37	"			BAP	" "
11/19/99	1445	"	31.01	"			BAP	" "
5/22/00	0955	"	32.76	"			MAM	

LOCATION

PROJECT

Golder Associates

I-73

D-3

WATER LEVEL DATA

WELL LOCATION D-3 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1350	ELEC. PROBE	39.02	TO PVC			TAL	NO ID NO CA
2/6/96	0950	" "	39.82	"			MS	
3/4/96	1642	" "	40.~~[illegible]~~ 40.35	"			MS	
4/2/96			40.70				MS	
4/30/96	1601	" "	39.88				WH	
5/1/96	1345	" "	39.78	"			WH	
5/2/96	1446	" "	39.52	"			WH	
5/3/96	1408	" "	39.44	"			WH	
6/13/96	1350	" "	35.42	"			MS	
7/12/96	1437	" "	35.86	"			MS	
8/8/96	1126	" "	36.59	"			MS	
9/6/96	1159	" "	38.32	"			MS	
2/3/97	1412	" "	38.32	"			SM	
5/9/97	1420	" "	35.60	"			JDR	
8/11/97	1131	" "	37.80	"			JDR	
11/6/97	0835	" "	38.89	"			JDR	
2/10/98	1921	" "	38.61	"			DTS	
5/26/98	1413	" "	35.35	"			JDR	
11/9/98	1253	"	36.21	"			BAP	
5/14/99	0908	"	35.52	"			BAP	
11/9/99	1445	"	39.68	"			BAP	
5/22/00	1135	"	41.40	"			MAM	

LOCATION

PROJECT

Golder Associates

D-3

WELL or DATE _____

D-6

WATER LEVEL DATA

WELL LOCATION D-6 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1114	ELEC PROBE	16.46	TOPVC			TAC	
2/5/96	1429	" "	17.31	"			MS	
3/4/96	1303	" "	17.91	"			MS	
4/2/96			18.16	"			M-H	
4/30/96	1506	" "	17.07	"			WH	
5/3/96	1506	" "	16.51	"			WH	
6/13/96	0750	" "	12.54	"			MS	
7/12/96	1030	" "	13.20	"			MS	
8/8/96	0755	" "	13.87	"			MS	
9/6/96	0805	" "	14.85	"			MS	
2/3/97	1525	" "	16.00	"			SM	
5/9/97	0923	" "	13.04	"			DR	
5/22/00	1545	"	19.02	"			MJM	

LOCATION _____

PROJECT _____

Golder Associates

D-6

D-12

WATER LEVEL DATA

WELL LOCATION D-12 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1230	ELEC. PROBE	48.76	TO PVC			TAC	
2/5/96	1559	" "	49.52	"			MS	
3/4/96	1435	" "	50.16	"			MS	
4/2/96			50.42				M-H	
4/30/96	1311	" "	49.47	"			WH	
5/3/96	1555	" "	48.85	"			WH	
6/13/96	0908	" "	44.94	"			MS	
7/12/96	1138	" "	45.50	"			MS	
8/8/96	0906	" "	46.19	"			MS	
9/6/96	0939	" "	47.05	"			MS	
2/3/97	1148	" "	48.24	"			SM	
5/9/97	1355	" "	45.20	"			[illegible]	
5/22/00	1112	"	51.32	"			MAM.	

LOCATION

PROJECT

Golder Associates

D-12

D-13

WATER LEVEL DATA

WELL LOCATION D-13 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1440	EL. PROBE	39.96'	TO PVC			JAC	
2/5/96	1550	" "	40.66	"			MS	
3/4/96	1350	" "	41.24	"			MS	
4/2/96			41.49	"			M-H	
4/30/96	1337	" "	40.40	"			WH	
5/3/96	1557	" "	39.78	"			WH	
6/13/96	0903	" "	35.69	"			MS	
7/12/96	1132	" "	36.37	"			MS	
8/8/96	0912	" "	37.71	"			MS	
9/6/96	0848	" "	38.18	"			MS	
2/3/97	1155	" "	39.24	"			SM	
5/9/97	1344	" "	36.08	"			[illegible]	
5/22/00	1320	"	42.22	"			MSM	

LOCATION

PROJECT

Golder Associates

D-13

D-14

WATER LEVEL DATA

WELL LOCATION D-14 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1403	EL. PROBE	58.42	TOPVC			TAL	
2/6/96	1001	" "	58.84	"			MS	
3/4/96	1549	" "	59.23	"			MS	
4/2/96			59.69	"			M-H	
4/30/96	1554	" "	58.70	"			WH	
5/1/96	1410	" "	57.96	"			WH	
5/2/96	1428	" "	57.69	"			WH	
5/3/96	1333	" "	57.75	"			WH	
6/13/96	1024	" "	56.18	"			MS	
7/12/96	1418	" "	56.11	"			MS	
8/8/96	1108	" "	56.75	"			MS	
9/6/96	1134	" "	57.40	"			MS	
2/4/97	1000	" "	57.30	"			SM	
5/9/97	1432	" " well obstructed @ 36.4' BTOPVC, concrete heaved 2'/' above ground level						
5/22/00	1410.	well is obstructed @ 25.78' ft					MGM	

LOCATION

PROJECT

Golder Associates

D-14

WELL or DATE _____

D-81

WATER LEVEL DATA

WELL LOCATION D-81 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/13/95	1132	ELEC. PROBE	19.19	TO PVC			TAL	
2/6/96	0746	" "	20.28	"			MS	
3/5/96	1424	" "	20.90	"			WH	
4/2/96			21.11	"			M-H	
4/30/96	1536	" "	20.40	"			WH	
5/3/96	1530	" "	19.77	"			WH	
6/13/96	1144	" "	16.51	"			MS	
7/12/96	0949	" "	16.88	"			MS	
8/8/96	0719	" "	17.50	"			MS	
9/6/96	0717	" "	18.22	"			MS	
2/3/97	1627	" "	18.93	"			SM	
5/9/97	1002	" "	16.73	"			PDR	

LOCATION _____

PROJECT _____

Golder Associates

D-81

D-83

WATER LEVEL DATA

WELL LOCATION D-83 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1611	EL PROBE	17.46	TO PVC			TAL	
2/5/96	1586	" "	18.19	"			MS	
3/4/96	1415	" "	18.82	"			MS	
4/2/96			19.01	"			M-H	
4/30/96	1324	" "	17.72	"			WH	
5/3/96	1612	" "	17.83	"			WH	
6/13/96	0855	" "	13.12	"			MS	
7/12/96	1118	" "	13.85	"			MS	
8/8/96	0851	" "	14.63	"			MS	
9/6/96	0913	" "	15.61	"			MS	
2/3/97	1315	" "	16.94	"			SM	
5/9/97	0913	" "	13.70	"			PDR	

LOCATION

PROJECT

Golder Associates

D-83

WELL or DATE _____

D-85

WATER LEVEL DATA

WELL LOCATION D-85 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

LOCATION _____

PROJECT _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/14/95	902	ELEC. PROBE	32.34	To PVC			TAL	
2/6/96	1005	" "	26.52	"			MS	
3/4/96	1649	" "	27.13	"			MS	
4/2/96			27.39	"			M-H	
4/30/96	1604	" "	26.08	"			WH	
5/1/96	1735	" "	26.04	"			WH	
5/2/96	1447	" "	25.85	"			WH	
5/3/96	1410	" "	25.80	"			WH	
6/13/96	1354	" "	21.98	"			MS	
7/12/96	1101	" "	22.61	"			MS	
8/8/96	0835	" "	23.29	"			MS	
9/6/96	0928	" "	24.30	"			MS	
2/4/97	0900	" "	25.10	"			SM	
5/9/97	1300	" "	22.39	"			JDR	
8/11/97	1107	" "	24.68	"			JDR	
11/6/97	0825	" "	25.81	"			JDR	
2/10/98	1430	" "	25.53	"			DTB	
5/26/98	1353	" "	21.99	"			JDR	
11/9/98	1226	" "	23.27	"			BAP	
5/14/99	0828	" "	22.11	"			BAP	
11/19/99	1445	" "	26.63	"			BAP	
5/22/00	1147	"	28.40	"			MAM	

Golder Associates

D-85

D-87

WATER LEVEL DATA

WELL LOCATION D-87 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1215	ELEC. PROBE	31.32	TOPVC			TAC	
2/6/96	0929	" "	32.62	"			MS	
3/4/96	1629	" "	33.12	"			MS	
4/2/96			33.54	"			M-H	
4/30/96	1253	" "	32.71	"			WH	
5/1/96	1416	" "	32.55	"			WH	
5/2/96	1426	" "	32.31	"			WH	
5/3/96	1328	" "	32.22	"			WH	
6/13/96	1304	" "	28.23	"			MS	
7/12/96	1106	" "	28.71	"			MS	
8/8/96	0841	" "	29.39	"			MS	
9/6/96	0936	" "	30.27	"			MS	
2/3/97	1330	" "	31.26	"			SM	
5/9/97	1358	" "	28.55	"			PDR	
5/22/00	1119	"	34.40	"			MAG	

LOCATION

PROJECT

Golder Associates

D-87

WELL or DATE _____

D-93

WATER LEVEL DATA

WELL LOCATION D-93 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1045	ELEC. PROBE	18.74	TO PVC			TAL	
2/6/96	0721	" "	19.66	"			MS	
3/5/96	1357	" "	20.29	"			WH	
4/2/96			20.51	"			M-H	
4/30/96	1518	" "	19.43	"			WH	
5/3/96	1516	" "	18.96	"			WH	
6/13/96	1202	" "	15.29	"			MS	
7/12/96	1008	" "	15.76	"			MS	
8/8/96	0739	" "	16.47	"			MS	
9/6/93	0744	" "	17.30	"			MS	
2/3/97	1558	" "	18.36	"			SA	
5/9/97	0943	" "	15.63	"			PDR	
5/22/00	1612	"	21.32	"			MAM	

LOCATION _____

PROJECT _____

Golder Associates

D-93

WELL or DATE _____

MW-101

WATER LEVEL DATA

WELL LOCATION MW-101 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1128	ELEC. PROBE	15.78	TO PVC			TAC	
2/6/96	1442	" "	16.50	"			MS	
3/4/96	1311	" "	17.15	"			MS	
4/2/96			17.37	"			M-H	
4/30/96	1502	" "	16.32	"			WH	
5/3/96	1502	" "	15.66	"			WH	
6/13/96	0803	" "	11.55	"			MS	
7/12/96	1036	" "	12.23	"			MS	damaged PC
8/8/96	0800	" "	12.94	"			MS	
9/6/96	0812	" "	13.98	"			MS	
2/3/97	1545	" "	15.23	"			SM	
5/9/97	0917	" "	12.10	"			PDR	

LOCATION _____

PROJECT _____

Golder Associates

MW-101

WELL or DATE _____

MW-102

WATER LEVEL DATA

WELL LOCATION MW-102 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/05/95	1110	ELEC PROBE	17.04	TO PVC			TAL	
2/5/96	1426	" "	17.80	"			MS	
3/4/96	1306	" "	18.42	"			MS	
4/2/96			18.67	"			M-H	
4/30/96	1508	" "	17.64	"			WH	
5/3/96	1508	" "	17.08	"			WH	
6/13/96	0758	" "	13.12	"			MS	
7/12/96	1016	" "	13.70	"			MS	
8/8/96	0749	" "	14.36	"			MS	
9/6/96	0756	" "	15.34	"			MS	
2/3/97	1520	" "	16.52	"			SM	
5/9/97	0934	" "	13.58	"			PDR	
5/22/00	1552	" "	17.93	"			MAM	

LOCATION _____

PROJECT _____

Golder Associates

MW-102

WELL or DATE _____

MW-103

WATER LEVEL DATA

WELL LOCATION MW-103 MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/13/95	1204	ELEC. PROBE	8.72'	TO PVC			JAL	NOT MARKED NO CAP
2/6/96	0731	" "	9.81	"			MS	
3/5/96							WH	could not open
3/11/96	1603	" "	10.24	"			MS	
4/2/96			10.61	"			MH	
4/30/96	1523	" "	9.26	"			~~MS~~	WH
5/2/96	1539	" "	8.82	"			~~MS~~	WH
5/3/96	1521	" "	8.70	"			WH	
6/13/96	1159	" "	5.94	"			MS	No lock
7/12/96	1001	" "	6.14	"			MS	No lock
8/8/96	0733	" "	6.82	"			MS	
9/6/96	0737	" "	7.62	"			MS	
2/3/97	1605	" "	8.36	"			SM	
5/9/97	0952	" "	6.12	"			DR	
5/22/00	1615	"	11.50	"			MAN	

LOCATION _____

PROJECT _____

Golder Associates

MW-103

WELL or DATE

MW-104

WATER LEVEL DATA

WELL LOCATION MW-104

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/13/95	1140	ELEC. PROBE	9.22	TO PVC			TAL	
2/6/96	0742	" "	10.32	"			MS	
3/5/96	1420	" "	10.96	"			[illegible]	WH
4/2/96			11.11	"			M-H	
4/30/96	1532	" "	9.98	"			[illegible]	WH
5/3/96	1528	" "	9.78	"			WH	
6/13/96	1147	" "	6.56	"			MS	
7/12/96	0951	" "	6.90	"			MS	damaged PC
8/8/96	0721	" "	7.55	"			MS	
9/6/96	0720	" "	8.31	"			MS	
2/3/97	1620	" "	8.94	"			SM	
5/9/97	1005	" "	6.82	"			PDR	
5/22/00	1647	"	12.05	"			MAM	

LOCATION

PROJECT

Golder Associates

MW-104

WELL or DATE

MW-107

WATER LEVEL DATA

WELL LOCATION MW-107

MEASURING POINT

ELEVATION: MEASURING POINT

GROUND LEVEL

LOCATION

PROJECT

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
12/10/95	1020	ELEC PROBE	6.46	TO PVC			TAC	
2/5/96	1348	" "	6.70	"			MS	
3/4/96	1242	" "	6.66	"			MS	
4/2/96		" "	5.68	"			M-H	
4/30/96	1630	" "	4.83	"			WH	
5/3/96	1652	" "	4.35	"			WH	
6/13/96	0704	" "	4.90	"			MS	
7/12/96	0901	" "	6.29	"			MS	
8/8/96	0643	" "	6.49	"			MS	
9/6/96	0645	" "	6.83	"			MS	
2/3/97	0915	" "	5.30	"			SM	
5/9/97	0843	" "	5.82	"			PDR	

Golder Associates

MW-107

MW-F3

WATER LEVEL DATA

WELL LOCATION MW-F3 MEASURING POINT

ELEVATION: MEASURING POINT GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
12/15/95	1444	EL. PROBE	38.08	TOPVC			JAC	
2/5/96	1552	" "	38.71	"			MS	
3/4/96	1354	" "	39.36	"			MS	
4/2/96			39.60	"			M-H	
4/30/96 ~~MW-F3~~	1335	" "	38.49	"			WH	
5/3/96	1602	" "	37.88	"			WH	
6/13/96	0905	" "	33.87	"			MS	
7/12/96	1116	" "	34.54	"			MS	
8/8/96	0915	" "	35.35	"			MS	
9/6/96	0843	" "	36.33	"			MS	
2/3/97	1230	" "	37.38	"			SA	
5/9/97	1316	" "	30.01	"			PDR	(?) error ?
5/22/00	1345	well is broken off					MAN	

LOCATION

PROJECT

Golder Associates

MW-F3

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION MW-F2 ~~[illegible]~~

MEASURING POINT _____

ELEVATION: MEASURING POINT _____ GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
3/5/96	1416	Elec. Prop	25.10	Top PVC			WH	strong petroleum odor, gas visibly venting
6/13/96	1150	" "	7.77	"			MS	? rdg
7/12/96	0955	" "	20.91	"			MS	
8/8/96	0724	" "	21.45	"			MS	
9/6/96	0727	" "	22.45	"			MS	
2/4/97	1195	" "	23.00	"			SA	
5/9/97	1002	well exposed, no protective csg, no cap, strong pet. odor, not measured						

LOCATION _____

PROJECT _____

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION SG-1 MEASURING POINT _____

ELEVATION: MEASURING POINT 438.57 msl GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2/5/96	1451	visual	Dry				MS	
3/4/96	1323	"	Dry				MS	
4/2/96		"	Dry				MH	
4/30/96		" gauge	0.5				WH	
5/3/96		"	Dry				WH	
6/13/96	0807	"	3.1				MS	
7/12/96	1041	"	2.0				MS	
8/8/96	0805	"	1.4				MS	
9/6/96	0824	"	dry				MS	
2/3/97	1552	"	dry				MS	
5/9/97	0900	"	2.00				PR	
5/22/00	1355	"	dry	"			MAM	

LOCATION _____

PROJECT _____

Golder Associates

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION SG-2 MEASURING POINT _____

ELEVATION: MEASURING POINT 438.84 msl GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2/5/96	1451	visual	dry				MS	
3/4/96	1323	"	dry				MS	
4/2/96		"	dry				MS	
5/3/96		"	dry				WH	
6/13/96	08107	"	2.9				MS	
7/12/96	1041	"	1.8				MS	
8/8/96	0805	"	1.2				MS	
9/6/96	0824	"	dry				MS	
2/3/97	1552	"	dry				SM	
5/9/97	0900	"	1.85				PDR	
5/22/00	1355	"	dry	"			MAN	

LOCATION _____

PROJECT _____

Golder Associates

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION S6-3 MEASURING POINT _____

ELEVATION: MEASURING POINT 440.73 msl GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2/5/96	1457	visual	Dry				MS	
3/4/96	1325	"	Dry				MS	
4/2/96		"	Dry				M-H	
4/30/96			could not read - below gauge				WH	
6/13/96	0809	"	1.9				MS	
7/12/96	1043	"	~ -0.1				MS	
8/8/96	0808	"	~ -0.7				MS	
9/6/96	0819	"	dry				MS	
2/9/97	1551	"	dry				SM	
5/9/97	0900	"	dry				[illegible]	

LOCATION _____

PROJECT _____

Golder Associates

WELL or DATE

WATER LEVEL DATA

WELL LOCATION SG-4

MEASURING POINT

ELEVATION: MEASURING POINT 441.05 msl

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2/5/96	1451	Visual	Dry				MS	
3/4/96	1325	"	Dry				MS	
4/2/96		"	Dry				MGH	
4/30/96		Gauge	2.5' below	bottom of gauge			WH	
5/3/96		"	3.5' below	" "	"		WH	
6/13/96	0809	"	1.7				MS	
7/12/96	1043	"	~0.3				MS	
8/8/96	0808	"	~-0.9				MS	
9/6/96	0819	"	dry				MS	
2/3/97	1551	"	dry				SM	
5/9/97	0900	"	dry				DR	

LOCATION

PROJECT

Golder Associates

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION SG-5 MEASURING POINT _____

ELEVATION: MEASURING POINT 460.94 msl GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2/5/96	1545	Visual	Dry				MS	
3/4/96	1359	"	Dry				MS	
4/2/96		"	Dry				M-H	
4/30/96							WH	0.02 below top of gauge
5/3/96	1600	"					WH	0.05 below top of gauge
6/13/96	0901	"	2.4				MS	
7/12/96	1127	"	Dry				MS	
8/8/96	0856	"	Dry				MS	
9/6/96	0855	"	dry				MS	
2/3/97	1225	"	dry				JM	
5/9/97	1347	"	dry				AR	
5/22/00	1330		dry				MAM	

LOCATION _____

PROJECT _____

Golder Associates

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION SG-6 (5 gauge)

MEASURING POINT _____

ELEVATION: MEASURING POINT 437.28 msl

GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2/5/96	1415	visual	dry				MS	
3/4/96	1248	"	dry				MS	
4/2/96		"	dry				M.N	
4/30/96		gauge	0.9				WH	
5/1/96	1420	"	1.0				WH	
5/2/96	1440	"	1.0				WH	
5/3/96	1514	"	1.0				WH	
6/13/96	0732	"	1.7				MS	
7/12/96	1010	"	1.8				MS	
8/8/96	0741	"	1.0				MS	
9/6/96	0746	"	dry				MS	
2/3/97	1555	"	0.6				SM	
5/9/97	0942	"	1.65				DR	
5/22/00	1551		dry				MAn	

LOCATION _____

PROJECT _____

Golder Associates

WELL or DATE _____

WATER LEVEL DATA

WELL LOCATION SG-7 (N gauge)

MEASURING POINT _____

ELEVATION: MEASURING POINT 437.01' msl

GROUND LEVEL _____

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
2/5/96	1415	visual	dry				MS	
3/4/96	1248	"	Dry				MS	
4/2/96		"	Dry				M-H	
4/30/96		gauge	1.1				WH	
5/1/96	1450	"	1.2				WH	
5/2/96		"	1.2				WH	
5/3/96	1514	"	1.2				WH	
6/13/96	0732	"	1.9				MS	
7/12/96	1010	"	2.0				MS	
8/8/96	0741	"	1.2				MS	
9/6/96	0746	"	~0.4				MS	
2/3/97	1555	"	0.8				SA	
5/9/97	0941	"	2.00 - gauge not securely fastened to post				PR	
5/22/00	1550		dry				MAM	

LOCATION _____

PROJECT _____

Golder Associates

WATER LEVEL DATA

WELL LOCATION SG 8, 11
Southern Staff Gauges

MEASURING POINT

ELEVATION: MEASURING POINT ~~5' above [illegible]~~

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH'	WATER LEVEL ELEVATION	BY	COMMENTS
SG	1528	gauge	1.68				[illegible]	ice
SG	1528	gauge	1.68				[illegible]	ice
SG 2/5/96	1329	"	1.78				MS	ice, ambient
3/4/96	1220	"	Dry				MS	
3/5/96	1500	"	1.6'				WH	
			Repaired and resurveyed 3/25/96					
		New 5' elevation SG-8 = 435.38						
		Note that gauge now leans ~20° from vertical.						
(A) To calculate w.l. elevation, use: 435.38 - [(5.0 - 5.0 reading) * sin 70]								
4/2/96	1503	gauge	3.52	see (A)		433.99	MRS	windy, waves
4/30/96	1216	"	2.50	"			WH	
5/1/96		"	2.57	"			WH	
5/2/96	1310	"	2.57	"			WH	
5/3/96	1220	"	2.54	"			WH	
6/13/96	0940	"	3.38	"			MS	
7/12/96	0905	"	3.39	"			MS	
8/8/96	0650	"	2.64	"			MS	
9/6/96	0649	dry					MS	
2/3/97	0930	dry @	2.10				MS	
5/9/97	1618	gauge	4.40	"			WDR	

WELL or DATE

WATER LEVEL DATA

WELL LOCATION 56-9 Northern Staff Gauge

MEASURING POINT

ELEVATION: MEASURING POINT 5' mark 435.49

GROUND LEVEL

WELL or DATE	TIME	MEASURING DEVICE	READING	CONVERSIONS or CORRECTIONS	WATER LEVEL DEPTH	WATER LEVEL ELEVATION	BY	COMMENTS
Repaired and resurveyed.								
(B) To calculate w.l. elevation, use: 435.49 − (5.0 − s.g. reading)								
4/2/96	1503	gauge	3.48	see (B)		433.97	MLS	waves & wind
4/30/96	1216	"	2.49	"			WH	
5/1/96		"	2.56	"			WH	
5/2/96	1310	"	2.56	"			WH	
5/3/96	1230	"	2.53	"			WH	
6/13/96	0940	"	3.35	"			MS	
7/12/96	0905	"	3.37	"			MS	
8/8/96	0650	"	2.62	"			MS	
9/6/96	0649	"	dry @ ~1.8	"			MS	
2/3/97	0930	" dry @	2.08				MS	
5/9/97	1618	gauge	4.35	"			DR	

LOCATION

PROJECT

Golder Associates

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Brian J. Power / Mike Spurgeon

Well ID	Date	Time	Top of Casing Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)	Total Depth	Notes
I68	5/20/02	1231	441.91	17.48	424.43	40.51	
PZ-114-AS	5/20/02	1236	451.31	17.55	433.76	26.37	
PZ-115-SS	5/20/02	1238	452.3	12.9	439.4	80.81	
PZ-208-SS	5/20/02	1244	474.25	23.18	451.07	100.31	
PZ-100-SS	5/20/02	1248	485.84	41.09	444.75	89.05	
PZ-100-SD	5/20/02	1251	485.82	41.76	444.06	96.2	
PZ-100-KS	5/20/02	1253	485.64	29.03	456.61	NA	
D-85	5/20/02	1306	457.13	24.49	432.64	81.11	
S-84	5/20/02	1309	456.23	24.25	431.98	35.65	
PZ-207-AS	5/20/02	1314	463.57	30.72	432.85	39.99	
PZ-113-SS	5/20/02	1320	461.77	29.5	432.27	160.39	
PZ-113-AD	5/20/02	1323	461.46	29.21	432.25	109.94	
PZ-113-AS	5/20/02	1325	461.42	29.29	432.13	38.84	
D-3	5/20/02	1331	470.32	37.45	432.87	109.05	
I-4	5/20/02	1333	468.57	35.81	432.76	79.91	
S-5	5/20/02	1335	468.65	35.41	433.24	44.79	
PZ-111-SD	5/20/02	1350	461.55	30.88	430.67	196.52	
PZ-111-KS	5/20/02	1352	460.87	6.75	454.12	NA	
DF-1	5/20/02	1400	NA	NA	NA	NA	Casing is bent
SF-1	5/20/02	1402	NA	29.49	NA	32.51	
PZ-110-SS	5/20/02	1408	458.91	28.05	430.86	107.05	
PZ-206-SS	5/20/02	1410	460.2	28.21	431.99	126.74	
PZ-305-AI	5/20/02	1416	459.28	27.29	431.99	64.82	
LR-104	5/20/02	1418	459.73	27.82	431.91	40.05	
PZ-108-SS	5/20/02	1430	456.2	NA	NA	NA	well surrounded by 3ft of mud
PZ-109-SS	5/20/02	1442	458.5	25.75	432.75	130.55	
I-73	5/20/02	1447	461.39	29.45	431.94	50.39	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Brian J. Power / Mike Spurgeon

Well ID	Date	Time	Top of Casing Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)	Total Depth	Notes
PZ-205-AS	5/20/02	1456	460.99	28.56	432.43	50.16	
PZ-205-SS	5/20/02	1458	461.78	27.54	434.24	92.87	
PZ-107-SS	5/20/02	1503	464.66	32.35	432.31	103.92	
PZ-106-SD	5/20/02	1509	463.24	29.45	433.79	195.78	
PZ-106-KS	5/20/02	1511	464.26	7.11	457.15	NA	
PZ-106-SS	5/20/02	1514	462.7	28.64	434.06	160.98	
PZ-105-SS	5/20/02	1540	483.61	38.29	445.32	144.54	
PZ-203-SS	5/20/02	1546	486.59	40.41	446.18	111.2	
PZ-104-KS	5/20/02	1550	484.04	21.43	462.61	NA	
PZ-104-SD	5/20/02	1552	483.69	38.72	444.97	119.85	
PZ-104-SS	5/20/02	1553	483.63	39.89	443.74	139.98	
PZ-1201-SS	5/20/02	1557	NA	39.55	NA	149.98	
PZ-202-SS	5/20/02	1600	481.17	16.51	464.66	84.99	
PZ-116-SS	5/20/02	1624	484.87	44.39	440.48	149.59	
MW-1204	5/20/02	1626	485.63	47.55	438.08	173.06	
PZ-204-SS	5/20/02	1645	469.63	20.91	448.72	87.85	
PZ-204A-SS	5/20/02	1647	468.16	12.54	455.62	85.29	
S-88	5/20/02	1707	462.76	30.61	432.15	42.43	
LR-103	5/20/02	1715	461.28	29.1	432.18	40.61	
PZ-200-SS	5/20/02	1725	485.63	38.12	447.51	99.49	
PZ-102-SS	5/20/02	1735	483.85	40.83	443.02	91.42	
PZ-101-SS	5/20/02	1741	476.68	39.32	437.36	141.29	
PZ-103-SS	5/20/02	1756	480.17	42.89	437.28	146.25	
PZ-102R-SS	5/21/02	1004	485.58	37.23	448.35	92.18	
PZ-112-AS	5/21/02	1033	NA	27.14	NA	35.63	
PZ-201A-SS	5/21/02	1035	480.16	35.24	444.92	NA	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton LF

Personnel: Brian J Power / Mike Spurgeon

Well ID	Date	Time	Top of Casing Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)	Notes
I68	5/20/02	1231		17.48	40.51	
PZ114 AS		1236		17.55	26.37	
PZ 115-SS		1238		12.90	80.81	
PZ-208-SS		1244		23.18	100.31	
PZ-100-SS		1248		41.09	89.05	
PZ-100-SD		1251		41.76	96.20	
PZ-100-KS		1253		29.03		
D-85		1306		24.49	81.11	
S-84		1309		24.25	32.65	
PZ-207-AS		1314		30.72	39.99	
PZ 113-SS		1320		29.50	160.39	
PZ-113-AD		1323		29.21	109.94	
PZ-113-AS		1325		29.29	38.84	
D-3		1331		37.45	109.05	
I-4		1333		35.81	79.91	
S-5		1335		35.41	44.79	
PZ112-AS		1347		—	—	could not get w/L due to standing water
PZ-111 SD		1350		30.88	196.52	
PZ-111KS		1352		6.75	—	too Deep for our probe to measure TD.
DF 1		1400		—	—	Casing is bent cannot set a w/L.
SF1		1402		29.49	32.51	
PZ-110-SS		1408		28.05	107.05	
PZ-206SS		1410		28.21	126.74	
PZ-305AZ		1416		27.29	64.82	
LR-104		1418		27.82	~~39.87~~ 40.05	
PZ-108SS		1430		—	—	unable to collect, surrounded by ~3 ft of mud.
PZ-109SS		1442		25.75	130.55	
I-73		1447		29.45	50.39	

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GROUNDWATER ELEVATION MEASUREMENTS

Site:

Personnel:

Well ID	Date	Time	Top of Casing Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)	Notes
PZ205AS	5-20-02	1456		28.56	50.16	
PZ105SS	"	1458		27.54	92.87	
PZ-107SJ	"	1503		32.35	103.92	
PZ-106SD		1509		29.45	195.78	
PZ-106KS		1511		7.11	—	too deep for out piston NO TD
PZ-106SS		1514		28.64	160.98	
PZ-105SS		1540		38.29	144.54	
PZ-203SS		1546		40.41	111.20	
PZ-104KS		1550		21.43	—	too deep for T.D
PZ-104SD		1552		38.72	119.85	
PZ-104SS		1553		39.89	139.98	
PZ-120SS		1557		39.55	149.88	
PZ-202SS		1600		16.31	84.99	
PZ-116SJ		1624		44.39	149.59	
MW-1204		1626		47.55	173.06	
PZ204SS		1645		20.91	87.85	
PZ-204A-SS		1647.		12.54	85.29	
S-88		1707		30.61	42.43	
LR103		1715		29.10	40.61	
PZ-200SS		1725		38.12	99.49	
PZ-102SS		1735		40.83	91.42	
PZ-101S		1741		39.32	141.29	
PZ-103SS	5/20/02	1746		42.89	146.25	
PZ102RSS	5/21/02	1004		37.23	92.18	
PZ-N2-AS	5/21/02	1033		27.14	35.63	
PZ-201ASS		1035		35.24		
~~PZ-[illegible]~~		~~[illegible]~~				

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Shane Tamborski, Timothy Ewing

Well ID	Date	Time	Top of Casing Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)	Notes
PZ-114-AS	11/18/2002	1118	451.31	21.66	429.65	
PZ-115-SS	11/18/2002	1120	452.3	19.2	433.1	
I-68	11/18/2002	1135	441.98	21.05	420.93	
PZ-208-SS	11/18/2002	1146	474.25	26.89	447.36	
PZ-100-SD	11/18/2002	1153	485.82	50.68	435.14	
PZ-100-KS	11/18/2002	1155	485.64	30.34	455.3	
PZ-100-SS	11/18/2002	1158	485.84	51.61	434.23	
PZ-200-SS	11/18/2002	1204	485.63	44.57	441.06	
PZ-201A-SS	11/18/2002	1211	480.16	41.15	439.01	
PZ-102R-SS	11/18/2002	1222	485.58	37.46	448.12	
PZ-102-SS	11/18/2002	1250	483.85	49.77	434.08	
PZ-103-SS	11/18/2002	1256	480.17	52.51	427.66	
PZ-204A-SS	11/18/2002	1347	468.16	16.04	452.12	
PZ-204-SS	11/18/2002	1350	469.63	26.26	443.37	
PZ-106-KS	11/18/2002	1356	464.26	7.13	457.13	
PZ-106-SD	11/18/2002	1359	463.24	40.05	423.19	
PZ-106-SS	11/18/2002	1402	462.7	37.32	425.38	
PZ-116-SS	11/18/2002	1407	484.87	53.14	431.73	
MW-1204	11/18/2002	1409	485.63	92.94	392.69	
PZ-105-SS	11/18/2002	1417	483.61	45.84	437.77	
PZ-203-SS	11/18/2002	1424	486.59	48.09	438.5	
PZ-202-SS	11/18/2002	1431	481.17	19.51	461.66	
PZ-1201-SS	11/18/2002	1440	NA	50.79	NA	
PZ-104-SS	11/18/2002	1450	483.63	44.63	439	
PZ-104-SD	11/18/2002	1454	483.69	46.57	437.12	
PZ-104-KS	11/18/2002	1456	484.04	23.41	460.63	
PZ-107-SS	11/18/2002	1510	464.66	35.22	429.44	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Shane Tamborski, Timothy Ewing

Well ID	Date	Time	Top of Casing Elevation (ft msl)	Depth to Water (ft)	Groundwater Elevation (ft msl)	Notes
PZ-205-SS	11/18/2002	1517	461.78	32.53	429.25	
PZ-205-AS	11/18/2002	1519	460.99	31.24	429.75	
I-73	11/18/2002	1525	461.39	32.02	429.37	
PZ-108-SS	11/18/2002	1531	456.2	36.58	419.62	Well appears to have been raised
PZ-109-SS	11/18/2002	1535	458.5	36.06	422.44	
PZ-206-SS	11/18/2002	1542	460.2	31.59	428.61	
LR-104	11/18/2002	1545	459.73	30.31	429.42	
PZ-305-AI	11/18/2002	1548	459.28	29.86	429.42	
PZ-110-SS	11/18/2002	1602	458.91	30.91	428	
PZ-111-SD	11/18/2002	1610	461.55	32.05	429.5	
PZ-111-KS	11/18/2002	1613	460.87	6.27	454.6	
MW-FI-S	11/18/2002	1615	NA	32.18	NA	
MW-FI-D	11/18/2002	1617	NA	NA	NA	casing bent over
PZ-113-AD	11/18/2002	1630	461.46	32.33	429.13	
PZ-113-AS	11/18/2002	1632	461.42	32.26	429.16	
PZ-113-SS	11/18/2002	1635	461.77	32.45	429.32	
D-3	11/18/2002	1640	470.32	40.4	429.92	
I-4	11/18/2002	1642	468.57	38.49	430.08	
S-5	11/18/2002	1645	468.65	37.78	430.87	
PZ-207-AS	11/18/2002	1651	463.57	34.05	429.52	
D-85	11/18/2002	1657	457.13	27.83	429.3	
S-84	11/18/2002	1700	456.23	27.62	428.61	
PZ-112-AS	11/19/2002	928	NA	30.38	NA	New lock-well cut down 3.75" by Randy to close
S-88	11/19/2002		NA	NA	NA	casing bent over
LR-103	11/19/2002		461.28	32.27	429.01	
PZ-101-SS	11/19/2002		NA	NA	NA	has been raised ~10ft- unable to get W.L

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton

Personnel: Tim Ewing Mike Antes

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Notes TD
PZ104KS	5-27-03	946	23.95		414.98
PZ104SD	5-27-03	1003	59.28		
PZ104SS	5-27-03	1005	59.24		
~~GWP~~					
PZ1201SS	5-27-03	1013	67.86		149.98
PZ202-SS	5-27-03	1028	20.35		T.O.P.
PZ203SS	5-27-03	1035	60.82		111.33
PZ108SS	5-27-03	1045	59.91		T.O.P.
PZ116SS	5-27-03	1056	76.53		T.O.P.
~~MW~~ MW1204	5-27-03	1059	102.53		
~~PZ204SS~~					
~~PZ204ASS~~					
PZ106-SS	5-27-03	1200	51.03		T.O.P.
PZ106SD	5-27-03	1205	53.78		T.O.P.
PZ106KS	5-27-03	1210	8.84		T.O.P.
PZ107SS	5-27-03	1213	36.94		103.91
PZ205-SS	5-27-03	1223	36.51		
PZ205AS	5-27-03	1225	33.09		50.11
PZ108SS	5-27-03	1233	53.26		148.02
PZ109SS	5-27-03	1240	60.08		T.O.P.
PZ206SS	5-27-03	1246	37.66		126.69
LR104	5-27-03	1256	32.30		40.10
I73	5-27-03	1304	12.16		50.46
LR103	5-27-03	1326	33.66		44.58
PZ110SS	5-27-03	1332	34.23		T.O.P

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgton

Personnel: Tim Ewing Michael Antes

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Notes T.D. ~~D.T.B~~
DF1	5-27-03				Damaged
SF1			DRY		Methane 32.55
P2111SD		1343	34.61		
P2112AS		1344	31.60		35.33
D-3		1358	42.03		109.29
I-4		1402	40.12		79.95
S-5		1408	38.95		45.25
P2113AS		1413	33.96		39.16
P2113AD		1415	34.03		110.00
P2113SS		1420	34.19		160.30
P2207AS		1435	35.72		40.03
S-84		1442	29.34		32.80
D-85		1445	29.85		81.19
I-68		1452	22.87		40.64
P2114AS		1455	23.67		T.O.P 500 ppm CH4
P2115SS		1500	22.24		T.O.P.
P2100AS		1510	32.86		89.09
P2100SD		1518	65.31		T.O.P.
P2100SS		1520	61.42		T.O.P
P2101SS		1530	72.43		
~~P2200SS~~		~~1537~~			
P2102RSS		1542	24.09		91.08
P2102SS		1546	56.14		92.37
P2201ASS		1552	54.28		T.O.P.
P2103SS		1556	73.25		

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Tim Ewing Michael Antes

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	T.D.	Notes
PZ208SS	5-27-03	1607	28.95		100.26	
PZ204ASS	5-28-03		17.23		25.46	
PZ204SS	5-28-03		41.63		87.91	
PZ200SS	5-28-03		50.31		99.42	
PZ104SS	5-28-03		58.12		T.O.P.	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Timothy Ewing Todd Loettler

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Notes TD
1-68	11-19-03	0923	22.59	~~40.70~~ 22.87	40.70
P2-115-SS		0932	16.35	~~81.05~~ 22.24	81.05
P2-114-AS		0934	23.01	~~26.02~~ 23.67	26.02
S-84		0940	29.01	29.34	32.82
D-85		0944	29.30	29.55	81.23
P2-207-AS		0954	35.40	35.72	40.05
P2-113-SS		1000	34.00	34.19	160.45
P2 113 AD		1003	33.75	34.03	109.99
P2-113-AS		1007	33.67	33.96	39.18
P2-112-AS		1009	31.38	31.60	35.34
D-3		1019	41.85	42.03	109.29
1-4		1040	39.87	40.12	79.98
S-5		1044	38.92	38.95	45.39
LR-103		1100	33.42	33.66	40.60
P2-111-SD		1105	33.36	34.61	196.66
P2-111-KS		1113	6.26	6.27	372.19
D-F1		1121			damaged
S-F1		1122	dry @ 32.58	~~27~~	32.58
P2 208-SS		1236	24.46	~~53.26~~ 28.93	100.29
P2 110-SS		1253	31.66	34.23	107.21
P2 109SS		1300	22.63	60.08	130.64
P2 108-SS		1310	22.04	53.26	148.04
P2-206-SS		1325	29.94	37.66	126.70
LR 104		1334	31.78	32.30	41.02
P2-205-AS		1337	31.23	29.86	64.95

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Timothy Ewing Todd Loeffler

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Notes
I-73	11/19/03	1345	14.81	5 12.16	~~50.42~~ 50.42
P2-205-SS		1355	31.44	36.51	92.80
P2-205-AS		1358	32.08	33.09	51.00
P2-107-SS		1403	36.30	36.94	103.93
P2-106-SS		1409	24.10	51.03	161
P2-106-SD		1415	25.10	53.73	126.03
P2-106-KS		1421	6.53	8.84	379.21
M 1204		1441	45.40	102.53	226.30
P2 116-SS		1446	38.38	76.53	150.00
P2 105 SS		1457	34.78	59.91	144.65
P2-203-SS		1515	36.95	60.82	111.38
P2 104 KS		1522	21.42	23.95	414.78
P2 104 SD		1525	34.59	59.28	120.41
P2 104 SS		1529	34.10	59.24	140.28
P2 202-SS		1536	16.98	~~73.25~~	85.07
P2 103 SS		1545	37.06	73.25	146.33
P2-201A-SS		1600	31.70	54.28	86.30
P2-102-SS		1606	38.19	56.14	91.42
P2-102R-SS		1608	33.47	24.09	91.09
P2-101SS		1612	51.94	72.93	155.58
P2-100-SS		1626	38.73	61.42	89.30
P2-100-SD		1629	40.09	65.31	96.12
P2-100-KS		1631	28.18	32.86	389.25
P2-204A-SS		1700	11.76	17.23	85.49
P2-204-SS		1704	17.35	41.63	87.95

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Timothy Ewing Todd Loeffler

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Notes
P2-200-SS	11-19-03	well is now a GMP; can't take W.L.			
P2-1201-SS		could not remove well cap; no WL taken			
S-88		destroyed by asphault operations			

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GROUNDWATER ELEVATION MEASUREMENTS

Site: West Lake OU2

Personnel: Shane Tamborski Tim Ewing

	Well ID	Date	Time	Depth to Water (ft)	~~Depth to Water Previous Event~~ TOC. ~~(ft)~~	Notes TD
PZ	301AS	12-11-03	1015	25.75	453.71	29.16
PZ	303AS	12-11-03	1025	25.17	453.18	28.82 - oil sheen on probe w/odor
PZ	302AI	12-11-03	1036	23.10	451.15	44.16
PZ	302AS	12-11-03	1042	23.29	451.42	24.44
PZ	304AI	12-11-03	1110	26.09	454.02	52.08 lock cut-new lock added
	MW-F2	12-11-03				Unable to locate well
						looked for on 12/11, 12/12, 4/12/15
	TOC's were	taken from	Physical	Characterization	Technical	Memorandum
		West	Lake	OU-2		
		Volume	III	Appendicies		
			July	96'		

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GROUNDWATER ELEVATION MEASUREMENTS

Site: WestLake OU1

Personnel: Timothy Ewing Joe Grib

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Notes Total Depth
S-1	3-23-04	1011	18.01	16.94	25.98
I-2		1014	17.95	16.90	53.00
S-82		1046	21.60	15.73	25.50
D-93		1048	21.52	15.63	114.49
I-9		1051	22.45	16.52	56.97
I-11		1116	51.85	45.53	~~5~~ 94.30
S-10		1119	51.81	45.57	56.73
D-12		1121	51.52	45.2	148.48
S-61		1153	21.40	15.14	26.13
D-13		1305	42.54	36.08	136.00
D-3		1318	41.09	35.60	109.17
I-4		1324	39.20	33.75	79.97
S-5		1326	37.98	33.56	45.38
D-85		1331	28.65	22.39	81.20
S-84		1336	28.40	22.15	32.83
I-68		1340	21.87	15.78	40.70
D-6	3/25/04	0945	19.24	13.04	108.16
MW-102	3/25/04	1135	19.79	13.58	26.38

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Tim Ewing Todd Loeffler

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Notes
P2-114-AS	5-10-04	927	21.76	23.01	26.29
P2-115-SS	5-10-04	930	19.90	16.35	80.76
P2-113-SS	5-10-04	937	32.30	34.00	160.30
P2-113-AS	5-10-04	940	32.04	~~35.40~~ 33.67	39.20
P2-113-AD	5-10-04	942	32.20	33.75	110.00
P2-112-AS	5-10-04	948	29.74	31.38	35.34
P2-111-KS	5-10-04	955	5.98	6.26	369.73
P2-111-SD	5-10-04	1001	32.38	33.36	196.60
P2-110-SS	5-10-04	1007	31.95	31.66	187.00
P2-109-SS	5-10-04	1013	45.95	22.63	130.97
P2-108-SS	5-10-04	1028	37.28	22.04	148.00
P2-206-SS	5-10-04	1034	31.50	29.94	126.63
LR-104 ~~P2-305-AS~~	5-10-04	1038	30.33	31.78	40.12
P2-305-BS ~~LR-104~~	5-10-04	1039	29.80	31.23	64.43
T-73	5-10-04	1047	10.17	14.81	50.45
P2-205-SS	5-10-04	1053	31.70	31.44	92.87
P2-205-AS	5-10-04	1058	30.95	32.08	50.10
P2-107-SS	5-10-04	1110	34.77	36.30	103.90
P2-106-SS	5-10-04	1116	47.27	24.10	161.19
P2-106-SD	5-10-04	1118	28.35	25.10	196.00
P2-106-KS	5-10-04	1121	6.37	6.53	374.73
P2-204-SS	5-10-04	1313	21.10	17.35	79.91
P2-204A-SS	5-10-04	1318	13.33	11.76	85.45
MW 1204	5-10-04	1331	47.78	45.40	171.59
P2-116-SS	5-10-04	1341	43.50	~~43.50~~ 38.38	149.70

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Tim Ewing, Todd Loeffler

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Notes
P2-105-S	5-10-04	1346	36.30	34.78	144.30
P2104SD	5-10-04	1404	35.92	34.59	120.30
P2-104-SS	5-10-04	1406	36.14	34.10	142.27
P2-104-KS	5-10-04	1410	21.32	~~23.95~~ 21.42	409.00
P2 203SS	5-10-04	1423	37.85	36.95	111.30
P2 202SS	5-10-04	1430	16.93	16.98	85.04
P2 103SS	5-10-04	1448	54.45	37.06	146.29
P2-201A-SS	5-10-04	1454	41.93	31.70	85.98
P2-102R-SS	5-10-04	1458	40.27	33.47	91.07
P2-102-SS	5-10-04	1501	48.30	38.19	91.40
P2 101-SS	5-10-04	1505	69.90	51.94	155.45
P2 100-SS	5-10-04	1520	53.35	38.73	89.30
P2-100-SD	5-10-04	1522	53.27	40.09	96.39
P2-100-KS	5-10-04	1525	29.12	28.18	385.18
LR103	5-10-04	1552	31.63	33.42	40.60
S-88	5-10-04	~~1620~~	~~26.42~~	N/A	Damaged
P2 208SS	5-10-04	1620	26.42	24.46	102.49

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GROUNDWATER ELEVATION MEASUREMENTS

Site: West Lake OU-1 and OU-2 (Bridgeton, MO)

Personnel: Brett D. Shank / Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Notes
I-68	5-10-04	0952	21.04	21.91	TD = 40.80
S-84	5-10-04	1005	27.46	28.12	TD = 32.90
D-85	5-10-04	1008	27.74	28.37	TD = 81.19
D-3	5-10-04	1020	40.19	40.87	TD = 109.31
I-4	5-10-04	1029	38.24	38.93	TD = 79.96
S-5	5-10-04	1032	37.42	45.38	TD = 45.36
I-11	5-10-04	1055	50.91	51.84	TD = 94.33
S-10	5-10-04	1058	50.87	51.80	TD = 56.72
D-12	5-10-04	1102	50.48	51.46	TD = 148.47
S-61	5-10-04	1146	20.44	21.38	TD = 26.29
P2302AS	5-10-04	1208	21.56	~~24.46~~ 23.29 BOS	TD = 24.46
P2302AI	5-10-04	1211	21.39	23.06	TD = 44.16
P2303AS	5-10-04	1219	23.42	25.19	TD = 28.20
P2304AI	5-10-04	1226	24.33	26.09	TD = 52.11
P2304AS	5-10-04	1230	24.06	25.79	TD = 29.22
S-82	5-10-04	1250	20.65	25.50	TD = 25.51
D-93 ~~I-9~~	5-10-04	1253	20.52	21.22	TD = 114.45
I-9	5-10-04	1257	21.45	22.13	TD = 57.01
I-2	5-10-04	1320	16.98	17.91	TD = 52.99
S-1	5-10-04	1324	17.02	17.98	TD = 25.98
D-6	5-10-04	1342	18.31	19.24	TD = 108.23
MW102	5-10-04	1347	18.82	19.79	TD = 26.45
D-13	5-10-04	1411	41.54	42.50	TD = 136.04

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton L.F.

Personnel: Shane Tamborski / Joe Grib

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Notes TD
I-73	11/16/04	1025	13.55	10.17	55.00
PZ205SS	11/16/04	1030	31.00	31.70	92.78
PZ205AS	11/16/04	1035	30.82	30.95	51.50
PZ107SS	11/16/04	1040	34.81	34.77	104.10
PZ106SS	11/16/04	1050	23.42	47.27	161.31
PZ106SD	11/16/04	1055	24.41	28.35	196.10
PZ106KS	11/16/04	1100	6.75	6.37	>300ft last event-374.73
PZ204SS	11/16/04	1107	17.30	21.10	88.01
PZ204ASS	11/16/04	1110	7.80	13.33	83.70
MW1204	11/16/04	1118	44.18	47.73	171.50
PZ116SS	11/16/04	1125	39.33	43.50	150.30
PZ105SS	11/16/04	1132	34.00	36.30	145.00
PZ120SS	11/16/04	1140			unable to open well
PZ104SS	11/16/04	1145	33.12	36.14	145.80
PZ104SD	11/16/04	1147	33.37	35.92	120.14
PZ104KS	11/16/04	1150	21.44	21.32	>300ft last event - 409.00
PZ203SS	11/16/04	1207	35.55	37.85	111.44
PZ103SS	11/16/04	1200	47.11	54.45	146.48
PZ202SS	11/16/04	1211	16.78	16.43	85.22
PZ102SS	11/16/04	1217	46.00	48.30	91.45
PZ102ASS	11/16/04	1220	36.38	40.27	91.18
PZ101SS	11/16/04	1225	65.07	69.90	157.70
PZ201ASS	11/16/04	1235	37.98	41.93	86.33
PZ200-SS	11/16/04	1242	42.80	N/A	99.60 labeled-GMW-7-not done last event
PZ100SS	11/16/04	1248	46.22	53.35	87.13

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton L.F.

Personnel: Shane Tomborski / Joe Grib

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	T.D.	Notes
PZ100SD	11/16/04	1250	48.50	53.27	96.87	
PZ100KS	11/16/04	1255	28.97	29.12	>300ft	lastevent - 385.18
PZ208SS	11/16/04	1300	25.82	26.42	103.33	
PZ114AS	11/16/04	1305	21.42	21.76	26.33	
PZ115SS	11/16/04	1310	19.17	19.30	S.T. ~~88.7~~ 80.87	
I-68	11/16/04	1312	20.70	S.T. ~~N/A~~ 21.04	40.75	S.T. ~~not measured lastevent~~
S-84	11/16/04	1315	27.18	S.T. ~~N/A~~ 27.48	32.92	S.T. ~~not measured lastevent~~
D-85	11/16/04	1320	27.94	S.T. ~~N/A~~ 27.74	81.03	S.T. ~~not measured lastevent~~
PZ207AS	11/16/04	1325	33.63	N/A	40.08	not measured lastevent
PZ113SS	11/16/04	1410	32.19	32.30	160.48	
PZ113AD	11/16/04	1414	31.96	32.20	110.12	
PZ113AS	11/16/04	1420	31.90	32.04	39.22	
D-3	11/16/04	1425	40.08	40.19	109.42	
I-4	11/16/04	1435	38.08	38.24	80.02	
S-5	11/16/04	1440		37.42	unable to get locking cap open	
PZ112AS	11/16/04	1448	33.25	29.74	38.98	
PZ111SD	11/16/04	1455	36.63	32.38	191.22	
PZ111KS	11/16/04	1502	11.05	5.98	>300ft	lastevent - 369.73
PZ110SS	11/16/04	1507	31.28	31.95	107.35	
PZ109SS	11/16/04	1515	40.45	45.95	131.08	
PZ108SS	11/16/04	1520	31.25	37.28	148.13	
PZ305AD	11/16/04	1530	29.61	29.80	65.02	
LR104	11/16/04	1535	30.02	30.33	40.14	
PZ206SS	11/16/04	1540	30.62	31.50	126.83	
LR103	11/16/04	1550	31.74	31.63	40.68	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Ann Miller and Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Top of Pump (ft)	Top of Pump Previous Event (ft)	Notes
D-3	5-23-05	1104	39.50	40.08	109.00	109.42	TD Double checked - soft
D-85	"	1736	27.26	27.44	81.00	81.03	TD
I-4	5-23-05	1108	37.42	38.08	79.55	80.02	TD
I-68	"	1745	20.52	20.70	40.79	40.75	TD
I-73	"	1252	9.50	13.55	50.40	55.00	TD
LR-103	"	1312	31.45	31.74	40.70	40.68	TD
LR-104	"	1239	29.92	30.02	40.40	40.14	TD
MW-F1S	NA	NA	NA	NA	NA	NA	Does not exist
MW-F1D	NA	NA	NA	NA	NA	NA	Does not exist
MW-1204	"	1442	45.90	44.18	171.60	171.50	Top of Pump
PZ-100-KS	"	1639	30.80	28.97	391.00	>300	TD
PZ-100-SD	"	1636	58.00	48.50	96.25	96.87	Top of Pump
PZ-100-SS	"	1634	56.39	46.22	89.30	89.13	Top of Pump
PZ-101-SS	"	1616	76.60	65.07	155.68	157.70	TD - Double checked
PZ-102-SS	"	1607	48.45	46.00	91.43	91.45	TD
PZ-102R-SS	"	1610	40.90	36.38	91.19	91.18	TD
PZ-103-SS	"	1539	54.95	47.11	146.40	146.48	TD
PZ-104-KS	"	1513	22.00	21.44	415.30	>300	TD
PZ-104-SD	"	1519	36.10	33.37	120.42	120.14	Top of Pump
PZ-104-SS	"	1521	35.15	33.12	142.00	145.80	Top of Pump Double checked
PZ-105-SS	"	1459	36.90	34.00	144.75	145.00	Top of Pump
PZ-106-KS	"	1427	7.00	6.75	378.80	>300	TD
PZ-106-SD	"	1423	32.48	24.41	195.90	196.10	Top of Pump
PZ-106-SS	"	1419	30.85	23.42	161.10	161.31	Top of Pump
PZ-107-SS	"	1400	34.81	34.81	103.99	104.10	TD
PZ-108-SS	"	1350	56.41	31.25	148.17	148.13	TD
PZ-109-SS	"	1150	~~48.20~~ 65.20	40.45	130.90	131.08	Top of Pump

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Ann Miller and Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	5-23-05	1157	31.71	31.28	107.30	107.35	Top of Pump
PZ-111-KS	"	1205	11.00	11.05	380.00	>300	TD
PZ-111-SD	"	1213	36.30	36.63	196.70	191.22	Top of Pump - Double checked
PZ-112-AS	"	1135	33.00	33.25	39.00	29.74	TD
PZ-113-AD	"	1051	31.71	31.96	110.02	110.12	TD
PZ-113-AS	"	1055	31.69	31.90	39.20	39.22	TD
PZ-113-SS	"	1046	31.91	32.19	160.35	160.48	TD
PZ-114-AS	"	1748	21.30	21.42	26.30	26.33	Top of Pump
PZ-115-SS	"	1750	22.90	19.17	80.99	80.87	Top of Pump
PZ-116-SS	"	1447	41.20	39.33	149.80	150.30	Top of Pump Double checked
PZ-200-SS (GMP-7)	"	1658	47.42	42.80	99.50	99.60	TD
PZ-201A-SS	"	1551	~~43.92~~ 43.32	37.98	86.05	86.33	Top of Pump
PZ-202-SS	"	1532	17.85	16.78	85.20	85.22	Top of Pump
PZ-203-SS	"	1506	38.50	35.55	111.40	111.44	TD
PZ-204-SS	"	17.25	18.60	17.30	87.95	88.01	TD
PZ-204A-SS	"	1721	7.86	7.80	83.40	83.70	TD
PZ-205-AS	"	1404	31.01	30.82	50.15	51.50	Double check
PZ-205-SS	"	1408	36.90	31.00	92.96	92.78	Top of Pump
PZ-206-SS	"	1228	38.31	30.62	126.82	126.83	TD
PZ-207-AS	"	1030	33.12	33.63	39.76	40.08	TD
PZ-208-SS	"	1648	26.80	25.82	100.30	103.33	TD Double checked
PZ-305-AI	"	~~1236~~ 1245	~~29.92~~ 29.43	29.61	64.97	65.02	TD
PZ-1201-SS	NA	NA	NA	NA	NA	NA	unable to open last event unable to open - fused shut
S-5	5-23-05	1110	36.68	NA	44.84	NA	TD ~~unable to open last event~~
S-84	"	1739	27.05	27.18	32.90	32.92	TD

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BRIDGETON SUMP MEASUREMENTS

7/29/2005 8/31/05 from Randy M.

Sump Destination	Sump Depth	Pipe Depth	Length of pump	Pump Depth Measurement	Depth to Liquid	Depth of Liquid	Comments
LCS # 1A	275.5 feet						Being aborted, well is too bent to get a pump down any more
LCS # 1B	274.5 feet	264 feet	8 feet	268 feet is where bubbler line is set	241.4 feet	33.1 feet	New variable pump regulator on pump in enclosed electrical can with a depth transducer unit at bowl inlet to digitally read water depth in well.
LCS # 2B	305 feet						Being aborted, well has too much gas to bring water out of well.
LCS # 3B	295 feet	280 feet	6 feet	286 feet			Could not measure due to an internal air leak. Well is being aborted due to too high of temperature.
LCS # 4A	312 feet	285 feet	5 feet	306 feet	286.7 feet	25.3 feet	New variable pump regulator on pump in enclosed electrical can with a depth transducer unit at bowl inlet to digitally read water depth in well.
LCS # 128K	30.13 feet	20 feet	7 feet	27 feet	20.33	~~6.66 feet~~ 9.80	
							Questions ? Call Randy at 314 739 1919 ext ~~120~~ 112
							Depth of Liquid = (PSI x 2.31) + (Sump depth - pump depth)
							Depth to Liquid = Sump depth - depth of Liquid

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Brandon Killion & Dave Vasbinder

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	11/08/05	0941	41.12	39.50	108.95	109.00	DC
D-85		1528	28.91	27.26	80.91	81.00	DC
I-4		0950	39.05	37.42	79.58	79.55	
I-68		1510	22.15	20.52	40.74	40.79	
I-73		1101	14.76	9.50	50.40	50.40	
LR-103		1145	46.78	31.45	54.33	40.70	Outer Casing Extended ~9ft
LR-104		1041	31.23	29.92	40.12	40.40	DC
MW-F1S		NA	NA	NA	NA	NA	DOES NOT EXIST
MW-F1D		NA	NA	NA	NA	NA	DOES NOT EXIST
MW-1204		1303	37.59	45.90	171.57	171.60	TOP
PZ-100-KS		1454	27.58	30.80	391.00	391.00	
PZ-100-SD		1452	37.76	58.00	96.00	96.25	DC TOP
PZ-100-SS		1450	38.03	56.39	89.20	89.30	DC TOP
PZ-101-SS		1442	51.94	76.60	155.48	155.68	DC
PZ-102-SS		1430	36.29	48.45	91.45	91.43	
PZ-102R-SS		1432	34.58	40.90	91.10	91.91	DC
PZ-103-SS		1421	30.80	54.95	146.30	146.40	DC
PZ-104-KS		1357	~~[illegible]~~ 20.92	22.00	415.32	415.30	
PZ-104-SD		1401	32.80	36.10	120.11	120.42	DC TOP
PZ-104-SS		1406	34.45	35.15	139.98	142.00	TOP
PZ-105-SS		1348	33.50	36.90	144.80	144.75	DC TOP
PZ-106-KS		1258	6.10	7.00	378.83	378.80	
PZ-106-SD		1256	21.29	32.48	195.89	195.90	TOP
PZ-106-SS		~~[illegible]~~ 1254	20.54	30.85	161.25	161.10	TOP DC
PZ-107-SS		1114	35.99	34.81	103.95	103.99	
PZ-108-SS		1028	22.10	56.41	148.00	148.17	DC
PZ-109-SS		1020	22.78	65.20	130.75	130.90	DC TOP

DC = Double Checked

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TOP = Top of Pump

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Brandon Killion & Dave Vasbinder

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	11/28/05	1014	30.94	31.71	107.20	107.30	DC
PZ-111-KS		1004	10.35	11.00	379.98	380.00	
PZ-111-SD		1005	37.47	36.30	196.71	196.70	TOP
PZ-112-AS		0957	34.61	33.00	38.98	39.00	
PZ-113-AD		0932	33.48	31.71	110.22	110.02	
PZ-113-AS		0935	33.29	31.69	39.18	39.20	
PZ-113-SS		0929	34.53	31.91	160.45	160.35	DC
PZ-114-AS		1517	22.70	21.30	26.00	26.30	TOP DC
PZ-115-SS		1515	17.06	22.90	80.74	80.99	TOP DC
PZ-116-SS		1259	37.79	41.20	149.80	149.80	TOP
GMP-70 PZ-200-SS		1680	41.38	47.42	99.47	99.50	
PZ-201A-SS		1331	26.85	43.32	86.05	86.05	
PZ-202-SS		1415	15.78	17.85	85.07	85.20	DC TOP
PZ-203-SS		1339	35.46	38.50	111.32	111.40	DC
PZ-204-SS		1316	15.91	18.60	88.03	87.95	DC
PZ-204A-SS		1313	9.27	7.86	83.26	83.40	DC
PZ-205-AS		1110	31.82	31.01	50.11	50.15	
PZ-205-SS		1107	31.40	36.90	92.85	92.96	TOP DC
PZ-206-SS		1035	29.60	38.31	126.70	126.82	DC
PZ-207-AS		0923	34.76	33.12	39.72	39.76	
PZ-208-SS		1505	25.42	26.80	100.28	100.30	
PZ-305-AI		1044	34.61	29.43	64.93	64.97	
PZ-1201-SS		NA	NA	NA	NA	NA	UNABLE TO OPEN
S-5		0946	37.75	36.68	44.90	44.84	DC
S-84		1525	28.64	27.05	32.87	32.90	

DC = Double Checked

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TOP = Top of Pump

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Shane Tamborski & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	5/22/06	1415	43.50	41.12	108.97	108.95	Double checked
D-85	5/22/06	1340	31.31	28.91	80.93	80.91	Double checked
I-4	5/22/06	1433	41.42	39.05	79.54	79.58	Double checked
I-68	5/22/06	1334	24.68	22.15	40.78	40.74	Double checked
I-73	5/22/06	1554	18.92	14.76	50.44	50.40	Double checked
LR-103	5/22/06	1620	49.08	46.78	54.31	54.33	Double checked
LR-104	5/22/06	1546	33.95	31.23	40.11	40.12	Double checked
MW-F1S	5/22/06	NA	NA	NA	NA	NA	No longer present
MW-F1D	5/22/06	NA	NA	NA	NA	NA	No longer present
MW-1204	5/22/06	1027	68.44	37.59	172.21	171.57	Top of pump Double checked
PZ-100-KS	5/22/06	1253	32.58	27.58	391.30	391.00	Double checked
PZ-100-SD	5/22/06	1300	56.65	37.76	96.11	96.00	Top of pump Double checked
PZ-100-SS	5/22/06	1302	52.89	38.03	89.25	89.20	Top of pump Double checked
PZ-101-SS	5/22/06	1222	82.15	51.94	156.79	155.48	Double checked
PZ-102-SS	5/22/06	1211	53.42	36.29	91.39	91.45	Double checked
PZ-102R-SS	5/22/06	1214	43.66	34.58	91.09	91.10	Double checked
PZ-103-SS	5/22/06	1159	56.80	30.80	147.70	146.30	Double checked - soft bottom
PZ-104-KS	5/22/06	1114	25.83	20.92	414.91	415.32	Double checked
PZ-104-SD	5/22/06	1122	64.63	32.80	120.10	120.11	Top of pump Double checked
PZ-104-SS	5/22/06	1124	69.66	34.45	140.12	139.98	Top of pump Double checked
PZ-105-SS	5/22/06	1048	49.74	33.50	144.70	144.80	Top of pump Double checked
PZ-106-KS	5/22/06	0943	9.81	6.10	378.55	378.83	Double checked
PZ-106-SD	5/22/06	0952	43.61	21.29	198.01	195.89	Top of pump water level and Top of pump Double check
PZ-106-SS	5/22/06	0957	41.47	20.54	162.69	161.25	Top of pump water level and Top of pump Double check
PZ-107-SS	5/22/06	1606	38.70	35.99	103.90	103.95	Double checked
PZ-108-SS	5/22/06	1530	64.08	22.10	149.80	148.00	Double checked
PZ-109-SS	5/22/06	1524	71.49	22.78	131.98	130.75	Top of pump Double checked

Double checked = Water Level and Total Depth or Top of Pump

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Shane Tamborski & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	5/22/06	1517	36.22	30.94	107.05	107.20	Top of Pump Double checked
PZ-111-KS	5/22/06	1500	13.20	10.35	379.40	379.98	Double checked
PZ-111-SD	5/22/06	1509	40.80	37.47	198.60	196.71	Top of Pump
PZ-112-AS	5/22/06	1443	36.98	34.61	38.98	38.98	Double checked
PZ-113-AD	5/22/06	1400	35.69	33.48	110.00	110.22	Double checked
PZ-113-AS	5/22/06	1358	35.55	33.29	39.19	39.18	Double checked
PZ-113-SS	5/22/06	1402	35.84	34.53	160.34	160.45	Double checked
PZ-114-AS	5/22/06	1326	25.48	22.70	26.29	26.00	Top of Pump Double checked
PZ-115-SS	5/22/06	1323	33.20	17.06	80.97	80.74	Top of Pump Double checked
PZ-116-SS	5/22/06	1032	59.00	37.79	150.10	149.80	Top of Pump Double checked
PZ-200-SS	5/22/06	1244	48.55	41.38	99.45	99.47	Labeled GWP-7 - Double checked
PZ-201A-SS	5/22/06	1235	45.32	26.85	86.01	86.05	Top of Pump Double checked
PZ-202-SS	5/22/06	1146	22.98	15.78	85.04	85.07	Top of Pump Double checked
PZ-203-SS	5/22/06	1042	53.70	35.46	111.32	111.32	Double checked
PZ-204-SS	5/22/06	1018	33.51	15.91	87.91	88.03	Double checked
PZ-204A-SS	5/22/06	1015	15.41	9.27	83.33	83.26	Double checked
PZ-205-AS	5/22/06	1602	35.00	31.82	50.10	50.11	Double checked
PZ-205-SS	5/22/06	1600	41.41	31.40	92.87	92.85	Top of Pump Double checked
PZ-206-SS	5/22/06	1537	42.42	29.60	127.90	126.70	Double checked
PZ-207-AS	5/22/06	1350	37.09	34.76	39.72	39.72	Double checked
PZ-208-SS	5/22/06	1316	28.35	25.42	100.28	100.28	Double checked
PZ-305-AI	5/22/06	1548	33.46	34.61	64.94	64.93	Double checked
PZ-1201-SS	5/22/06	1135	NA	NA	NA	NA	Unable to open
S-5	5/22/06	1427	41.50	37.75	44.92	44.90	Double checked
S-84	5/22/06	1343	31.08	28.64	32.88	32.87	Double checked

Double Checked = water Level and Total Depth a Top of Pump

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Rachael Collins & Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	11/6/06	0821	43.94	43.50	108.99	108.97	
D-85		1242	31.80	31.31	80.92	80.93	
I-4		0831	41.90	41.42	79.55	79.54	
I-68		1235	23.20	24.68	40.100	40.78	double checked total Depth
I-73		0947	21.55	18.92	50.43	50.44	
LR-103		0957	49.53	49.08	54.30	54.31	
LR-104		0940	34.20	33.95	40.10	40.11	
MW-F1S		NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D		NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204		1047	49.40	68.44	172.20	172.21	TOP OF PUMP
PZ-100-KS		1207	32.19	32.58	391.05	391.30	
PZ-100-SD		1205	45.23	56.65	96.10	96.11	TOP OF PUMP
PZ-100-SS		1203	43.50	52.89	89.33	89.25	TOP OF PUMP
PZ-101-SS		1312	65.32	82.15	155.58	156.79	double checked total Depth
PZ-102-SS		1303	43.70	53.42	91.41	91.39	
PZ-102R-SS		1309	47.00	43.66	91.09	91.09	
PZ-103-SS		1257	43.54	56.80	146.40	147.70	double checked total depth
PZ-104-KS		1112	26.68	25.83	414.70	414.90	
PZ-104-SD		1110	42.98	64.63	120.40	120.10	TOP OF PUMP double checked total depth
PZ-104-SS		1108	48.62	69.66	140.10	140.12	TOP OF PUMP
PZ-105-SS		1059	46.70	49.74	144.50	144.70	TOP OF PUMP double checked total Depth
PZ-106-KS		1037	10.39	9.81	378.05	378.55	
PZ-106-SD		1035	31.41	43.61	198.00	198.01	TOP OF PUMP
PZ-106-SS		1030	34.90	41.47	161.30	162.69	TOP OF PUMP double checked total Depth
PZ-107-SS		1005	38.91	38.70	103.93	103.90	
PZ-108-SS		0925	37.11	64.08	149.81	149.80	
PZ-109-SS	11/6/06	0920	40.00	71.49	130.90	131.98	TOP OF PUMP Water level double checked

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Rachael Collins & Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	11/6/06	0912	34.84	36.22	107.00	107.05	top of pump
PZ-111-KS		0903	14.64	13.20	379.35	379.40	
PZ-111-SD		0857	40.78	40.80	198.50	198.60	top of Pump double checked
PZ-112-AS		0855	37.40	36.98	38.97	38.98	
PZ-113-AD		0815	36.24	35.69	110.01	110.00	
PZ-113-AS		0818	36.15	35.55	39.18	39.19	
PZ-113-SS		0811	36.32	35.84	160.34	160.34	
PZ-114-AS		1236	25.95	25.48	26.00	26.29	double checked water level and total Depth
PZ-115-SS		1238	23.52	33.20	80.90	80.97	
PZ-116-SS		1050	57.20	59.00	149.95	150.10	double checked total Depth
PZ-200-SS		1345	43.42	48.55	99.44	99.45	~~Also~~ labeled as Comp-7~~8~~
PZ-201A-SS		1220	37.00	45.32	86.00	86.01	
PZ-202-SS		1125	23.53	22.98	84.90	86.04	double checked total Depth
PZ-203-SS		1120	43.85	53.70	111.35	111.32	
PZ-204-SS		1025	24.60	33.51	87.90	87.91	
PZ-204A-SS		1021	9.05	15.41	83.55	83.33	
PZ-205-AS		1015	35.00	35.00	50.10	50.10	
PZ-205-SS		1012	40.70	41.41	92.90	92.87	
PZ-206-SS		0931	35.43	42.42	126.70	127.90	double checked Water level and total depth
PZ-207-AS	~~0803~~ RC	0803	37.60	37.09	39.72	39.72	
PZ-208-SS		1230	26.29	28.35	100.28	100.28	
PZ-305-AI		0945	33.75	33.46	64.95	64.94	
PZ-1201-SS		1253	NA	NA	NA	NA	UNABLE TO OPEN
S-5		0840	41.80	41.50	44.85	44.92	
S-84	11/6/06	1240	31.50	31.08	32.80	32.88	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Rachael Collins and Josh Gray

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	5/17/07	0840	39.50	43.94	107.89	108.99	double checked total depth
D-85		0827	28.69	31.80	80.93	80.92	
I-4		0849	37.73	41.90	78.70	79.55	double checked total depth
I-68		0838	22.24	25.20	40.59	40.60	
I-73		0953	23.92	21.55	50.45	50.43	
LR-103		1247	45.91	49.53	54.23	54.30	
* LR-104		1017	30.54	34.20	64.95	40.10	Triple checked Total Depth Hard bottom
MW-F1S		NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D		NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204		1214	~~70.25~~ 71.26	49.40	171.36	172.20	TOP OF PUMP double checked
PZ-100-KS		1050	33.65	32.99	387.65	391.05	Triple checked Total Depth
PZ-100-SD		1058	55.70	45.23	96.10	96.10	TOP OF PUMP
PZ-100-SS		1059	54.88	43.80	89.26	89.33	TOP OF PUMP
PZ-101-SS		1047	87.79	65.35	157.05	155.58	155.55 total Depth
PZ-102-SS		1035	52.30	43.70	91.37	91.41	
PZ-102R-SS		1041	46.47	47.00	91.10	91.09	
PZ-103-SS		1123	56.55	43.54	146.37	146.40	
PZ-104-KS		1144	25.35	26.68	412.56	414.70	
PZ-104-SD		1150	62.65	42.98	120.16	120.40	TOP OF PUMP
PZ-104-SS		1153	65.56	48.62	140.07	140.10	TOP OF PUMP
PZ-105-SS		1205	47.31	46.70	144.70	144.50	TOP OF PUMP
PZ-106-KS		1227	99.99	10.89	379.38	378.05	double checked
PZ-106-SD		1221	41.98	31.41	197.95	198.00	TOP OF PUMP
PZ-106-SS	1225	~~0958~~	~~41.90~~ 40.42	34.90	161.02	161.30	TOP OF PUMP
PZ-107-SS		1235	35.25	38.91	103.91	103.93	
PZ-108-SS		0947	59.38	37.11	148.05	149.81	Double checked total depth
PZ-109-SS		0940	67.37	40.00	130.88	130.90	TOP OF PUMP

double checked water level

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Rachael Collins and Josh Gray

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	5/17/07	0938	33.06	34.84	107.20	107.00	Top of Pump
PZ-111-KS		0923	13.72	14.64	374.45	379.35	Triple checked total Depth
PZ-111-SD		0918	38.92	40.78	196.10	198.50	Triple checked total Depth
PZ-112-AS		0907	34.05	37.40	38.97	38.97	
PZ-113-AD		0856	32.85	36.24	110.04	110.01	
PZ-113-AS		0902	32.80	36.15	39.18	39.18	
PZ-113-SS		0859	32.89	36.32	160.32	160.34	
PZ-114-AS		0834	23.25	25.95	25.99	26.00	
PZ-115-SS		0832	37.44	23.82	81.05	80.90	top of pump
PZ-116-SS		12.11	62.20	57.20	150.07	172.20	Triple checked 1 caught in pump cannot pull because pump due to can damage
PZ-200-SS		1110	59.30	43.42	99.44	99.44	Labeled as GMP-7
PZ-201A-SS		1117	21.70	31.00	89.90	86.00	Double checked Total Depth
PZ-202-SS		1137	22.32	23.83	85.10	84.90	Top of pump
PZ-203-SS		1157	5/4 40 ~~37.62~~	43.15	111.35	111.35	
PZ-204-SS		1323	32.65	24.60	87.90	87.90	
PZ-204A-SS		1321	8.79	9.05	83.30	83.35	
PZ-205-AS		1001 ~~0958~~	31.98 ~~37.55~~	35.00	50.11	50.10	
PZ-205-SS		0958	37.55	40.70	92.89	92.90	Top of pump
PZ-206-SS		1013	38.83	35.43	126.69	126.70	
PZ-207-AS		1254	34.29	37.60	39.72	39.72	
PZ-208-SS		1330	28.42	26.29	100.26	100.28	
PZ-305-AI		1019	31.19	33.75	40.12	64.95	
PZ-1201-SS		113	NA	NA	NA	NA	UNABLE TO ~~OPEN~~ End Abandoned/destroyed?
S-5		0845	37.89	41.80	44.30	44.85	
S-84		0824	28.44	31.56	33.22	32.86	Double checked hard Bottom
PZ305 AI	LR104AI	1019	31.19		40.12		

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Rachael Haynes Nick Bauer

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	11/6/07	0907	39.20	39.50	~~108.79~~ 107.79	107.89	double checked
D-85		0834	28.19	28.69	80.94	80.93	
I-4		0905	37.43	37.73	78.63	78.70	
I-68		0845	21.52	22.24	40.63	40.59	
I-73		0941	25.03	23.92	50.45	50.45	
LR-103		1334	45.99	45.91	54.25	54.23	
LR-104		1320	30.33	30.54	64.95	64.95	Also labeled PZ-305
MW-F1S		NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D		NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204		1024	76.13	71.25	171.59	171.36	TOP OF PUMP
PZ-100-KS		1227	37.22	33.65	388.10	387.65	
PZ-100-SD		1232	71.42	55.70	96.36	96.10	TOP OF PUMP double checked water
PZ-100-SS		1234	61.71	54.88	89.31	89.26	TOP OF PUMP
PZ-101-SS		1115	101.22	87.79	155.55	155.55	double checked water level
PZ-102-SS		1107	58.45	52.30	91.38	91.37	
PZ-102R-SS		1111	47.73	46.47	91.09	91.10	
PZ-103-SS		1100	70.82	56.55	146.31	146.37	double checked water level
PZ-104-KS		1048	27.81	25.35	413.00	412.56	
PZ-104-SD		1045	61.55	62.65	120.35	120.16	TOP OF PUMP
PZ-104-SS		1042	68.59	68.56	140.38	140.07	TOP OF PUMP
PZ-105-SS		1037	53.52	47.31	144.80	144.70	TOP OF PUMP
PZ-106-KS		1011	11.81	99.99	379.40	379.38	double checked water level
PZ-106-SD	10/8	~~1013~~	~~46.11~~	41.90	~~198.96~~ 196.10	197.95	TOP OF PUMP double checked top of pump
PZ-106-SS		1021	45.50	40.42	161.38	161.02	TOP OF PUMP
PZ-107-SS		1000	35.79	35.25	103.92	103.91	
PZ-108-SS		0937	88.35	59.38	148.00	148.05	double checked water level
PZ-109-SS	11/6/07	0931	97.90	67.37	131.05	130.88	TOP OF PUMP double checked water level

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Rachael Haynes and Nick Bauer

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	11/6/07	0926	35.66	33.06	107.23	107.20	top of pump
PZ-111-KS		0921	15.38	13.72	375.00	374.45	
PZ-111-SD		0916	37.51	38.92	196.77	196.10	top of pump
PZ-112-AS		0911	33.86	34.05	38.96	38.97	
PZ-113-AD		0858	32.57	32.85	110.03	110.04	
PZ-113-AS		0900	32.54	32.80	39.17	39.18	
PZ-113-SS		0855	32.79	32.89	160.33	160.32	
PZ-114-AS		0841	22.31	23.25	25.99	25.99	top of pump
PZ-115-SS		0843	61.63	37.44	81.09	81.05	top of pump: double checked water level
PZ-116-SS		1030	69.41	62.20	150.08	150.07	top of pump
PZ-200-SS		1240	63.62	59.30	99.45	99.44	also labeled GMP-7
PZ-201A-SS		1245	53.53	21.70	86.28	89.90	double checked water level and top of pump
PZ-202-SS		1255	24.94	22.32	85.15	85.10	top of pump
PZ-203-SS		1053	52.08	51.40	111.29	111.35	
PZ-204-SS		1221	38.10	32.65	87.90	87.90	
PZ-204A-SS		1219	9.71	8.79	83.23	83.30	
PZ-205-AS		0950	32.16	31.98	50.05	50.11	
PZ-205-SS		0952	40.13	37.55	92.69	92.89	top of pump
PZ-206-SS		1320	~~30.80~~ RH 44.58	38.83	126.70	126.69	
PZ-207-AS		1311	33.97	34.29	39.71	39.72	
PZ-208-SS		1305	33.54	28.42	100.28	100.26	
PZ-305-AI		1325	30.80	31.19	40.11	40.12	
PZ-1201-SS		1053	NA	NA	NA	NA	UNABLE TO ~~OPEN~~ Locate
S-5		0903	36.80	37.09	44.31	44.30	
S-84		0837	27.90	28.44	33.20	33.22	
LR-104-AI		1325	30.80	31.19	40.11	40.12	Also labled PZ-305AI

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Nicholas Bauer & Bryan Sehie

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	5/6/2008	0930	~~23.81~~ 34.89	39.20	107.73	107.79	
D-85	5/6/2008	0829	23.81	28.19	80.96	80.94	
I-4	5/6/2008	0944	33.14	37.43	78.85	78.63	
I-68	5/6/2008	15.37	17.12	21.52	40.63	40.63	
I-73	5/6/2008	1123	26.19	25.03	50.53	50.45	
LR-103	5/6/2008	1110	41.79	45.99	54.28	54.25	
LR-104	5/6/2008	1055	28.12	30.33	64.93	64.95	
MW-F1S	5/6/2008	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D	5/6/2008	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204	5/6/2008	1253	74.55	76.13	171.40	171.59	TOP OF PUMP
PZ-100-KS	5/6/2008	1516	31.14	37.22	388.02	388.10	
PZ-100-SD	5/6/2008	1512	48.90	71.42	96.28	96.36	TOP OF PUMP
PZ-100-SS	5/6/2008	1510	42.70	61.71	89.30	89.31	TOP OF PUMP
PZ-101-SS	5/6/2008	1436	81.85	101.22	155.56	155.55	
PZ-102-SS	5/6/2008	~~1025~~ 1422	47.37	58.45	91.91	91.38	double checked
PZ-102R-SS	5/6/2008	1427	40.09	47.73	91.06	91.09	
PZ-103-SS	5/6/2008	1414	49.34	70.82	146.30	146.31	
PZ-104-KS	5/6/2008	1320	24.30	27.81	413.96	413.00	double checked
PZ-104-SD	5/6/2008	1330	58.56	61.55	120.35	120.35	TOP OF PUMP
PZ-104-SS	5/6/2008	1339	63.22	68.59	140.13	140.38	TOP OF PUMP double checked
PZ-105-SS	5/6/2008	1309	44.32	53.52	144.74	144.80	TOP OF PUMP
PZ-106-KS	5/6/2008	1240	8.85	11.81	379.30	379.40	
PZ-106-SD	5/6/2008	1232	38.48	47.11	196.05	196.10	TOP OF PUMP
PZ-106-SS	5/6/2008	1225	36.55	45.50	162.71	161.38	TOP OF PUMP double checked
PZ-107-SS	5/6/2008	1150	31.46	35.79	103.95	103.92	
PZ-108-SS	5/6/2008	1039	59.55	88.35	147.61	148.00	double checked
PZ-109-SS	5/6/2008	1025	59.30	97.90	131.02	131.05	TOP OF PUMP

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Nicholas Bauer & Bryan Sehie

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	5/6/2008	1014	29.34	33.06	106.97	107.20	Top of pump / double checked
PZ-111-KS	5/6/2008	0955	12.73	13.72	374.38	374.45	
PZ-111-SD	5/6/2008	1006	134.40	38.92	196.39	196.10	double checked Top of pump
PZ-112-AS	5/6/2008	0925	29.51	34.05	38.96	38.97	
PZ-113-AD	5/6/2008	0906	28.31	32.85	110.10	110.04	
PZ-113-AS	5/6/2008	0910	28.26	32.80	39.19	39.18	
PZ-113-SS	5/6/2008	0901	28.45	32.89	160.28	160.32	
PZ-114-AS	5/6/2008	1541	17.85	23.25	26.16	25.99	double checked
PZ-115-SS	5/6/2008	1544	20.61	37.44	81.00	81.05	
PZ-116-SS	5/6/2008	1259	58.68	62.20	150.15	150.07	
PZ-200-SS	5/6/2008	1442	42.95	59.30	99.44	99.44	
PZ-201A-SS	5/6/2008	1449	39.27	21.70	87.29	89.90	double checked top of pump
PZ-202-SS	5/6/2008	1500	20.92	22.32	85.13	85.10	
PZ-203-SS	5/6/2008	1405	48.23	51.40	111.33	111.35	
PZ-204-SS	5/6/2008	1559	29.75	32.65	87.95	87.90	
PZ-204A-SS	5/6/2008	1555	8.38	8.79	83.29	83.30	
PZ-205-AS	5/6/2008	1143	~~31.66~~ 28.13	31.98	50.10	50.11	
PZ-205-SS	5/6/2008	1135	33.68	37.55	92.68	92.89	
PZ-206-SS	5/6/2008	1044	37.19	38.83	126.70	126.69	
PZ-207-AS	5/6/2008	0851	29.66	34.29	39.75	39.72	
PZ-208-SS	5/6/2008	~~0926~~	25.03	28.42	108.25	100.26	time = 1530
~~PZ-305-AI~~	~~5/6/2008~~	~~1055~~	~~26.12~~	~~31.19~~	~~64.93~~	~~40.12~~	double checked ~~well may be misnumbered~~ NS Alison labeled R104
PZ-1201-SS	5/6/2008	—	NA	NA	NA	NA	UNABLE TO OPEN
S-5	5/6/2008	0940	33.10	37.09	44.36	44.30	
S-84	5/6/2008	0837	23.62	28.44	33.20	33.22	
2-305AI LR-104-AI	5/6/2008	1100	26.59	31.19	40.12	40.12	also labeled PZ305AI

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Rachael Haynes and Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	11/3/2008	1321	35.00	34.89	107.73	107.73	
D-85	11/3/2008	0856	23.81	23.81	80.96	80.96	
I-4	11/3/2008	1323	33.22	33.14	78.70	78.85	
I-68	11/3/2008	0907	17.24	17.12	40.65	40.63	
I-73	11/3/2008	1047	26.45	26.19	50.51	50.53	
LR-103	11/3/2008	1353	42.19	41.79	54.30	54.28	
PZ-305 / LR-104	11/3/2008	1050	26.60	26.12	64.95	64.93	Also labeled PZ-35
MW-F1S	11/3/2008	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D	11/3/2008	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204	11/3/2008	1017	61.90	74.55	171.38	171.40	TOP OF PUMP
PZ-100-KS	11/3/2008	0929	31.29	31.14	388.50	388.02	
PZ-100-SD	11/3/2008	0927	59.95	48.90	96.35	96.28	TOP OF PUMP
PZ-100-SS	11/3/2008	0925	52.49	42.70	89.30	89.30	TOP OF PUMP
PZ-101-SS	11/3/2008	~~0929~~ 0931	87.51	81.85	155.70	155.56	
PZ-102-SS	11/3/2008	0945	51.46	47.37	91.41	91.91	
PZ-102R-SS	11/3/2008	0947	38.52	40.09	91.10	91.06	
PZ-103-SS	11/3/2008	0950	59.50	49.34	149.99	146.30	*well has been extended
PZ-104-KS	11/3/2008	1009	22.74	24.30	413.15	413.90	
PZ-104-SD	11/3/2008	1006	54.34	58.56	120.20	120.35	TOP OF PUMP
PZ-104-SS	11/3/2008	1004	56.23	63.22	140.12	140.13	TOP OF PUMP
PZ-105-SS	11/3/2008	1012	41.09	44.32	144.74	144.74	TOP OF PUMP
PZ-106-KS	11/3/2008	1023	7.72	8.85	379.03	379.30	
PZ-106-SD	11/3/2008	1025	36.54	38.48	196.00	196.05	TOP OF PUMP
PZ-106-SS	11/3/2008	1028	34.60	36.55	162.71	162.71	TOP OF PUMP
PZ-107-SS	11/3/2008	1036	32.13	31.46	103.95	103.95	
PZ-108-SS	11/3/2008	1102	68.48	59.55	148.00	147.61	
PZ-109-SS	11/3/2008	1104	81.60	59.30	131.02	131.02	TOP OF PUMP

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Rachael Haynes and Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	11/3/2008	1111	30.30	29.34	107.22	107.20	Top of Pump
PZ-111-KS	11/3/2008	1402	11.84	12.73	374.86	374.38	
PZ-111-SD	11/3/2008	1400	33.21	134.40	196.75	196.39	Top of pump
PZ-112-AS	11/3/2008	1348	29.78	29.51	38.91	38.96	
PZ-113-AD	11/3/2008	1333	28.45	28.31	110.09	110.10	
PZ-113-AS	11/3/2008	1337	28.42	28.26	39.18	39.19	
PZ-113-SS	11/3/2008	1331	28.61	28.45	160.35	160.28	
PZ-114-AS	11/3/2008	0910	18.04	17.85	26.20	26.16	Top of Pump
PZ-115-SS	11/3/2008	0912	42.00	20.61	81.00	81.00	Top of Pump
PZ-116-SS	11/3/2008	1015	50.30	58.68	150.19	150.15	Top of Pump
PZ-200-SS	11/3/2008	0931	51.93	42.95	99.50	99.44	
PZ-201A-SS	11/3/2008	0935	43.95	38.27	86.35	87.29	Top of Pump / double checked
PZ-202-SS	11/3/2008	1309	19.00	20.92	85.10	85.13	Top of Pump
PZ-203-SS	11/3/2008	0958	44.83	48.23	111.35	111.33	
~~PZ-204-SS~~	11/3/2008	1300	27.21	29.75	87.91	87.95	
~~PZ-204A-SS~~	11/3/2008	1257	9.42	8.38	83.25	83.29	
PZ-205-AS	11/3/2008	1041	26.46	28.13	50.09	50.10	
PZ-205-SS	11/3/2008	1043	34.30	33.68	92.82	92.68	
PZ-206-SS	11/3/2008	1059	38.30	37.19	126.71	126.70	
PZ-207-AS	11/3/2008	0846	29.79	29.66	39.71	39.75	
PZ-208-SS	11/3/2008	0920	26.97	25.03	100.30	100.25	
PZ-305-AI/LR-104-AI	11/3/2008	1054	~~26.68~~ 27.30	26.59	~~44.95~~ 40.10	40.12	
PZ-1201-SS	11/3/2008	—	NA	NA	NA	NA	UNABLE TO ~~OPEN~~ find well [illegible]
S-5	11/3/2008	1327	33.21	33.10	44.31	44.30	
S-84	11/3/2008	0952	23.68	23.62	33.20	33.22	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Bryan Sehie and Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	5/6/2009	0900	35.96	35.00	107.90	107.73	
D-85	5/6/2009	1412	25.00	23.89	81.00	80.96	
I-4	5/6/2009	0902	34.13	33.22	78.73	~~18.70~~ 78.70	
I-68	5/6/2009	1428	18.39	17.24	40.73	40.65	
I-73	5/6/2009	0955	27.20	26.45	50.45	50.51	
LR-103	5/6/2009	0945	42.62	42.19	54.26	54.30	
LR-104	5/6/2009	0942	27.10	26.60	65.05	64.95	Also Labeled PZ-305
MW-F1S	5/6/2009	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D	5/6/2009	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204	5/6/2009	1027	78.43	61.90	171.40	171.38	TOP OF PUMP
PZ-100-KS	5/6/2009	1338	33.09	31.29	388.48	388.50	
PZ-100-SD	5/6/2009	1340	69.00	59.95	96.41	96.35	TOP OF PUMP
PZ-100-SS	5/6/2009	1342	61.40	52.49	89.30	89.30	TOP OF PUMP
PZ-101-SS	5/6/2009	1323	87.44	87.59	155.75	155.70	
PZ-102-SS	5/6/2009	1313	59.63	51.46	91.50	91.41	
PZ-102R-SS	5/6/2009	1315	44.73	38.52	91.15	91.10	
PZ-103-SS	5/6/2009	1307	68.19	59.50	149.82	149.84	
PZ-104-KS	5/6/2009	1038	22.79	22.74	413.20	413.15	
PZ-104-SD	5/6/2009	1040	58.18	54.34	120.17	120.20	TOP OF PUMP
PZ-104-SS	5/6/2009	1042	64.04	56.23	140.18	140.12	TOP OF PUMP
PZ-105-SS	5/6/2009	1033	44.35	41.09	144.80	144.74	TOP OF PUMP
PZ-106-KS	5/6/2009	1014	7.93	7.72	379.12	379.03	
PZ-106-SD	5/6/2009	1016	42.43	36.54	196.10	196.00	TOP OF PUMP
PZ-106-SS	5/6/2009	1018	40.49	34.60	162.68	162.71	TOP OF PUMP
PZ-107-SS	5/6/2009	1012	32.38	32.13	104.00	103.95	
PZ-108-SS	5/6/2009	0931	74.29	68.48	147.94	148.00	
PZ-109-SS	5/6/2009	0924	88.76	81.60	131.14	131.02	TOP OF PUMP

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Bryan Sehie and Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	5/6/2009	0919	31.12	30.30	107.02	107.22	Top of Pump
PZ-111-KS	5/6/2009	0915	12.17	11.84	374.85	374.86	
PZ-111-SD	5/6/2009	0916	34.24	33.21	196.75	196.75	Top of Pump
PZ-112-AS	5/6/2009	0908	30.61	29.78	38.96	38.94	
PZ-113-AD	5/6/2009	0851	29.41	28.45	110.18	110.09	
PZ-113-AS	5/6/2009	0853	29.30	28.42	39.23	39.18	
PZ-113-SS	5/6/2009	0854	29.50	28.69	160.36	160.35	
PZ-114-AS	5/6/2009	~~1433~~ 1433 (BK)	19.09	18.04	26.20	26.20	Top of Pump
PZ-115-SS	5/6/2009	1436	36.55	42.00	81.12	81.00	Top of Pump
PZ-116-SS	5/6/2009	1030	64.30	50.30	150.21	150.19	Top of Pump
PZ-200-SS	5/6/2009	1335	67.05	51.93	99.52	99.50	Labeled as GMP-7
PZ-201A-SS	5/6/2009	1330	49.68	43.95	86.40	86.35	Top of Pump
PZ-202-SS	5/6/2009	1303	18.92	19.00	85.20	85.10	~~Top of Pump~~ (BK)
PZ-203-SS	5/6/2009	1047	48.58	44.83	111.43	111.35	
PZ-204-SS	5/6/2009	1445	31.81	27.21	88.02	87.91	
PZ-204A-SS	5/6/2009	1447	9.87	9.42	83.35	83.25	
PZ-205-AS	5/6/2009	1004	28.85	28.48	50.10	50.09	
PZ-205-SS	5/6/2009	1002	35.57	34.30	92.91	92.82	Top of Pump
PZ-206-SS	5/6/2009	0936	39.41	38.30	126.80	126.71	
PZ-207-AS	5/6/2009	0842	30.48	29.79	39.44	39.71	
PZ-208-SS	5/6/2009	1351	27.01	26.97	100.37	100.30	
PZ-305-AI/LR-104-AI	5/6/2009	0941	27.55	27.00	40.18	40.10	
PZ-1201-SS	5/6/2009	1308	NA	NA	NA	NA	UNABLE TO OPEN
S-5	5/6/2009	0904	34.10	33.21	44.41	44.31	
S-84	5/6/2009	1414	24.74	23.68	33.23	33.20	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Neil Kostelecky and Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	11/2/2009	0952	33.95	35.96	107.90	107.90	
D-85	11/2/2009	1341	22.04	25.00	81.01	81.00	
I-4	11/2/2009	0958	31.95	34.13	78.73	78.73	
I-68	11/2/2009	1345	15.08	18.39	40.70	40.73	
I-73	11/2/2009	1049	27.38	27.20	50.43	50.45	
LR-103	11/2/2009	1036	39.99	42.62	54.26	54.26	
LR-104	11/2/2009	1033	25.48	27.10	65.05	65.05	Also Labeled PZ-305
MW-F1S	11/2/2009	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D	11/2/2009	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204	11/2/2009	1110	76.05	78.43	171.41	171.40	TOP OF PUMP
PZ-100-KS	11/2/2009	1330	34.75	33.09	388.48	388.48	
PZ-100-SD	11/2/2009	1331	79.89	69.00	96.41	96.41	TOP OF PUMP
PZ-100-SS	11/2/2009	1332	61.68	61.40	89.30	89.30	TOP OF PUMP
PZ-101-SS	11/2/2009	1315	81.28	87.44	155.75	155.75	
PZ-102-SS	11/2/2009	1306	74.25	59.63	91.50	91.50	
PZ-102R-SS	11/2/2009	1307	43.34	44.73	91.17	91.15	
PZ-103-SS	11/2/2009	1303	77.99	68.19	149.80	149.82	
PZ-104-KS	11/2/2009	1119	22.75	22.79	413.20	413.20	
PZ-104-SD	11/2/2009	1120	52.88	58.18	120.20	120.17	TOP OF PUMP
PZ-104-SS	11/2/2009	1121	58.23	64.04	140.18	140.18	TOP OF PUMP
PZ-105-SS	11/2/2009	1116	41.92	44.35	144.81	144.80	TOP OF PUMP
PZ-106-KS	11/2/2009	1104	7.93	7.93	379.10	379.12	
PZ-106-SD	11/2/2009	1105	41.09	42.43	196.11	196.10	TOP OF PUMP
PZ-106-SS	11/2/2009	1106	39.18	40.49	162.69	162.68	TOP OF PUMP
PZ-107-SS	11/2/2009	1100	30.91	32.38	104.00	104.00	
PZ-108-SS	11/2/2009	1023	73.42	74.29	147.92	147.94	
PZ-109-SS	11/2/2009	1020	90.63	88.76	131.15	131.14	TOP OF PUMP

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Neil Kostelecky and Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	11/2/2009	1014	30.68	31.12	107.02	107.02	Top of Pump
PZ-111-KS	11/2/2009	1007	12.01	12.17	374.85	374.85	
PZ-111-SD	11/2/2009	1008	33.69	34.24	197.11	196.75	Top of Pump
PZ-112-AS	11/2/2009	1003	28.55	30.61	38.98	38.96	
PZ-113-AD	11/2/2009	0947	27.15	29.41	110.13	110.18	
PZ-113-AS	11/2/2009	0945	27.12	29.30	39.25	39.23	
PZ-113-SS	11/2/2009	0946	27.59	29.50	160.48	160.36	
PZ-114-AS	11/2/2009	1347	15.78	19.09	26.20	26.20	Top of Pump
PZ-115-SS	11/2/2009	1348	19.35	36.55	81.12	81.12	Top of Pump
PZ-116-SS	11/2/2009	1111	62.90	64.30	150.20	150.21	Top of Pump
PZ-200-SS	11/2/2009	1325	42.88	67.05	99.54	99.52	Labled as GMP-7
PZ-201A-SS	11/2/2009	1320	50.73	49.68	86.40	86.40	Top of Pump
PZ-202-SS	11/2/2009	1300	19.09	18.92	85.21	85.20	Top of Pump
PZ-203-SS	11/2/2009	1128	44.06	48.58	111.45	111.43	
PZ-204-SS	11/2/2009	1405	30.68	31.81	88.00	88.02	
PZ-204A-SS	11/2/2009	1406	67.20	9.87	83.35	83.35	
PZ-205-AS	11/2/2009	1056	27.38	28.85	50.10	50.10	
PZ-205-SS	11/2/2009	1055	34.75	35.57	92.90	92.91	
PZ-206-SS	11/2/2009	1026	39.42	39.41	126.78	126.80	
PZ-207-AS	11/2/2009	0936	27.79	30.48	39.44	39.44	
PZ-208-SS	11/2/2009	1335	25.95	27.01	100.36	100.37	
PZ-305-AI/LR-104-AI	11/2/2009	1030	25.88	27.55	40.19	40.18	
PZ-1201-SS	11/2/2009	1305	NA	NA	NA	NA	UNABLE TO OPEN
S-5	11/2/2009	0955	31.91	34.10	44.39	44.41	
S-84	11/2/2009	1340	21.87	24.74	33.25	33.23	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Bryan Sehie and Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	5/18/2010	0950	33.54	33.75	107.87	107.90	
D-85	5/18/2010	1500	21.97	22.04	81.04	81.01	
I-4	5/18/2010	0953	31.69	31.95	78.71	78.73	
I-68	5/18/2010	1425	15.04	15.08	40.78	40.70	
I-73	5/18/2010	1056	27.64	27.38	50.38	50.43	
LR-103	5/18/2010	1045	36.34	39.99	49.90	54.26	Well was cut shorter.
LR-104	5/18/2010	1040	25.21	25.48	65.09	65.05	Also Labeled PZ-305
MW-F1S	5/18/2010	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D	5/18/2010	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204	5/18/2010	1126	78.79	76.05	171.41	171.41	TOP OF PUMP
PZ-100-KS	5/18/2010	1405	36.67	34.75	388.48	388.48	
PZ-100-SD	5/18/2010	1408	84.85	79.89	96.38	96.41	TOP OF PUMP
PZ-100-SS	5/18/2010	1410	66.26	61.68	89.33	89.30	TOP OF PUMP
PZ-101-SS	5/18/2010	1343	98.09	81.28	155.75	155.75	
PZ-102-SS	5/18/2010	1336	73.14	74.25	91.50	91.50	
PZ-102R-SS	5/18/2010	1338	45.53	43.34	91.17	91.17	
PZ-103-SS	5/18/2010	1325	78.36	77.99	149.80	149.80	
PZ-104-KS	5/18/2010	1141	23.46	22.75	413.20	413.20	
PZ-104-SD	5/18/2010	1143	53.19	52.88	120.41	120.20	TOP OF PUMP
PZ-104-SS	5/18/2010	1145	59.50	58.23	140.18	140.18	TOP OF PUMP
PZ-105-SS	5/18/2010	1133	43.31	41.92	144.81	144.81	TOP OF PUMP
PZ-106-KS	5/18/2010	1113	8.22	7.93	379.10	379.10	
PZ-106-SD	5/18/2010	1115	44.58	41.09	196.11	196.11	TOP OF PUMP
PZ-106-SS	5/18/2010	1117	42.59	39.18	162.69	162.69	TOP OF PUMP
PZ-107-SS	5/18/2010	1108	30.75	30.91	104.02	104.00	
PZ-108-SS	5/18/2010	1032	77.80	73.42	148.10	147.92	
PZ-109-SS	5/18/2010	1020	98.95	90.63	130.99	131.15	TOP OF PUMP

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Bryan Sehie and Brandon Killion

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	5/18/2010	1015	30.39	30.68	107.04	107.02	Top of Pump
PZ-111-KS	5/18/2010	1008	12.14	12.01	374.85	374.85	
PZ-111-SD	5/18/2010	1010	32.93	33.69	197.11	197.11	Top of Pump
PZ-112-AS	5/18/2010	1000	28.28	28.55	38.95	38.98	
PZ-113-AD	5/18/2010	0941	26.90	27.15	110.14	110.13	
PZ-113-AS	5/18/2010	0943	26.90	27.12	39.22	39.25	
PZ-113-SS	5/18/2010	0940	27.14	27.39	160.48	160.48	
PZ-114-AS	5/18/2010	1430	15.91	15.78	26.04	26.20	Top of Pump
PZ-115-SS	5/18/2010	1428	38.38	19.35	81.13	81.12	Top of Pump
PZ-116-SS	5/18/2010	1122	64.40	62.90	149.95	150.20	Top of Pump
PZ-200-SS	5/18/2010	1358	61.44	42.88	99.54	99.54	Labeled as GMP-7
PZ-201A-SS	5/18/2010	1352	51.24	50.73	86.17	86.40	Top of Pump
PZ-202-SS	5/18/2010	1308	20.22	19.09	85.15	85.21	Top of Pump
PZ-203-SS	5/18/2010	1303	45.22	44.06	111.43	111.45	
PZ-204-SS	5/18/2010	1445	33.04	30.68	88.01	88.00	
PZ-204A-SS	5/18/2010	1447	8.75	7.20	83.35	83.35	
PZ-205-AS	5/18/2010	1102	27.18	27.38	50.11	50.10	
PZ-205-SS	5/18/2010	1059	35.34	34.75	92.98	92.90	Top of Pump
PZ-206-SS	5/18/2010	1027	39.52	39.42	126.76	126.78	
PZ-207-AS	5/18/2010	0830	27.61	27.79	39.44	39.44	
PZ-208-SS	5/18/2010	1420	28.06	25.95	100.38	100.36	
PZ-305-AI/LR-104-AI	5/18/2010	1038	25.61	25.88	40.20	40.19	
PZ-1201-SS	5/18/2010	1310	NA	NA	NA	NA	UNABLE TO OPEN
S-5	5/18/2010	0956	31.18	31.91	44.36	44.39	
S-84	5/18/2010	1505	21.75	21.87	33.27	33.25	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Shane Tamborski and Neil Kostelecky

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	11/9/2010	1415	35.33	33.54	107.91	107.87	
D-85	11/9/2010	0843	24.33	21.97	81.04	81.04	
I-4	11/9/2010	1418	33.51	31.69	78.68	78.71	
I-68	11/9/2010	0852	17.71	15.04	40.75	40.78	
I-73	11/9/2010	1208	27.73	27.64	50.40	50.38	
LR-103	11/9/2010	1401	37.83	36.34	49.90	49.90	
LR-104	11/9/2010	1405	26.68	25.21	65.09	65.09	Also Labeled PZ-305
MW-F1S	11/9/2010	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D	11/9/2010	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204	11/9/2010	0959	73.78	78.79	171.43	171.41	TOP OF PUMP
PZ-100-KS	11/9/2010	0918	37.70	36.67	388.55	388.48	
PZ-100-SD	11/9/2010	0915	84.28	84.85	96.30	96.38	TOP OF PUMP
PZ-100-SS	11/9/2010	0912	69.91	66.26	89.41	89.33	TOP OF PUMP
PZ-101-SS	11/9/2010	1035	101.38	98.09	155.65	155.75	
PZ-102-SS	11/9/2010	1043	69.82	73.14	91.51	91.50	
PZ-102R-SS	11/9/2010	1041	47.21	45.53	91.15	91.17	
PZ-103-SS	11/9/2010	1051	78.38	78.36	149.81	149.80	
PZ-104-KS	11/9/2010	1111	25.35	23.46	411.12	413.20	
PZ-104-SD	11/9/2010	1108	48.98	53.19	120.19	120.41	TOP OF PUMP
PZ-104-SS	11/9/2010	1105	54.34	59.50	140.46	140.18	TOP OF PUMP
PZ-105-SS	11/9/2010	1126	45.99	43.31	144.59	144.81	TOP OF PUMP
PZ-106-KS	11/9/2010	1142	9.31	8.22	375.21	379.10	
PZ-106-SD	11/9/2010	1139	42.68	44.58	196.25	196.11	TOP OF PUMP
PZ-106-SS	11/9/2010	1136	40.99	42.59	161.44	162.69	TOP OF PUMP
PZ-107-SS	11/9/2010	1154	32.16	30.75	104.03	104.02	
PZ-108-SS	11/9/2010	1312	74.74	77.80	148.16	148.10	
PZ-109-SS	11/9/2010	1319	94.54	98.95	131.21	130.99	TOP OF PUMP

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Shane Tamborski and Neil Kostelecky

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	11/9/2010	1326	31.82	30.39	107.10	107.04	Top of Pump
PZ-111-KS	11/9/2010	1331	12.89	12.14	374.55	374.85	
PZ-111-SD	11/9/2010	1334	33.79	32.93	196.84	197.11	Top of Pump
PZ-112-AS	11/9/2010	1410	29.98	28.28	38.95	38.95	
PZ-113-AD	11/9/2010	1430	28.82	26.90	110.12	110.14	
PZ-113-AS	11/9/2010	1433	28.72	26.90	39.28	39.22	
PZ-113-SS	11/9/2010	1436	28.95	27.14	160.44	160.48	
PZ-114-AS	11/9/2010	0855	18.52	15.91	26.38	26.04	Top of Pump
PZ-115-SS	11/9/2010	0858	56.40	38.38	80.90	81.13	Top of Pump
PZ-116-SS	11/9/2010	0956	63.59	64.40	149.95	149.95	Top of Pump
PZ-200-SS	11/9/2010	0927	69.98	61.44	99.54	99.54	Labeled as GMP-7
PZ-201A-SS	11/9/2010	0934	53.31	51.24	86.20	86.17	Top of Pump
PZ-202-SS	11/9/2010	0939	22.31	20.22	85.19	85.15	Top of Pump
PZ-203-SS	11/9/2010	0946	46.28	45.22	111.38	111.43	
PZ-204-SS	11/9/2010	1013	32.87	33.04	88.02	88.01	
PZ-204A-SS	11/9/2010	1011	12.19	8.75	83.28	83.35	
PZ-205-AS	11/9/2010	1203	28.48	27.18	50.16	50.11	
PZ-205-SS	11/9/2010	1200	36.17	35.34	92.78	92.98	
PZ-206-SS	11/9/2010	1345	40.31	39.52	126.78	126.76	
PZ-207-AS	11/9/2010	1440	29.72	27.61	39.45	39.44	
PZ-208-SS	11/9/2010	0906	31.49	28.06	100.38	100.38	
PZ-305-AI/LR-104-AI	11/9/2010	1350	27.11	25.61	40.23	40.20	
PZ-1201-SS	11/9/2010	1100	NA	NA	NA	NA	UNABLE TO ~~OPEN~~ S.T. find well is covered by so rock
S-5	11/9/2010	1421	33.58	31.18	44.32	44.36	
S-84	11/9/2010	0840	24.10	21.75	33.30	33.27	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Brandon Killion & Bryan Sehie

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	5/9/2011	0855	33.55	35.33	107.84	107.91	
D-85	5/9/2011	1335	20.30	24.33	81.04	81.04	
I-4	5/9/2011	0857	31.73	33.51	78.66	78.68	
I-68	5/9/2011	1318	15.30	17.71	40.76	40.75	
I-73	5/9/2011	0940	27.89	27.73	50.38	50.40	
LR-103	5/9/2011	0934	36.41	37.83	49.89	49.90	
LR-104	5/9/2011	0929	25.21	26.68	65.01	65.09	Also Labeled PZ-305
MW-F1S	5/9/2011	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D	5/9/2011	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204	5/9/2011	1006	46.61	73.78	171.40	171.43	TOP OF PUMP
PZ-100-KS	5/9/2011	1130	32.35	37.70	388.56	388.55	
PZ-100-SD	5/9/2011	1132	64.70	84.28	96.31	96.30	TOP OF PUMP
PZ-100-SS	5/9/2011	1134	58.55	69.91	89.39	89.41	TOP OF PUMP
PZ-101-SS	5/9/2011	1100	85.15	101.38	155.67	155.65	
PZ-102-SS	5/9/2011	1050	51.75	69.82	91.46	91.51	
PZ-102R-SS	5/9/2011	1052	41.95	47.21	91.13	91.15	
PZ-103-SS	5/9/2011	1047	63.38	78.38	149.80	149.81	
PZ-104-KS	5/9/2011	1030	22.11	25.35	411.12	411.12	
PZ-104-SD	5/9/2011	1032	36.42	48.98	120.15	120.19	TOP OF PUMP
PZ-104-SS	5/9/2011	1034	35.66	54.34	140.10	140.46	TOP OF PUMP
PZ-105-SS	5/9/2011	1014	33.94	45.99	144.57	144.59	TOP OF PUMP
PZ-106-KS	5/9/2011	0958	6.75	9.31	375.23	375.21	
PZ-106-SD	5/9/2011	0959	28.98	42.68	196.25	196.25	TOP OF PUMP
PZ-106-SS	5/9/2011	1001	27.36	40.99	161.45	161.44	TOP OF PUMP
PZ-107-SS	5/9/2011	0954	30.73	32.16	103.97	104.03	
PZ-108-SS	5/9/2011	0921	51.69	74.74	148.15	148.16	
PZ-109-SS	5/9/2011	0914	67.00	94.54	131.13	131.21	TOP OF PUMP

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Brandon Killion & Bryan Sehie

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	5/9/2011	0910	29.83	31.82	107.04	107.10	Top of Pump
PZ-111-KS	5/9/2011	0907	10.84	12.89	374.51	374.55	
PZ-111-SD	5/9/2011	0908	32.67	33.79	196.83	196.84	Top of Pump
PZ-112-AS	5/9/2011	0901	28.27	29.98	38.89	38.95	
PZ-113-AD	5/9/2011	0847	27.00	28.82	110.10	110.12	
PZ-113-AS	5/9/2011	0848	27.02	28.72	39.23	39.28	
PZ-113-SS	5/9/2011	0850	27.24	28.95	160.45	160.44	
PZ-114-AS	5/9/2011	1330	15.90	18.52	26.37	26.38	Top of Pump
PZ-115-SS	5/9/2011	1332	17.40	56.40	80.90	80.90	Top of Pump
PZ-116-SS	5/9/2011	1009	43.40	63.59	149.96	149.95	Top of Pump
PZ-200-SS	5/9/2011	1124	58.74	69.98	99.50	99.54	Labeled as GMP-7
PZ-201A-SS	5/9/2011	1117	45.66	53.31	86.30	86.20	Top of Pump
PZ-202-SS	5/9/2011	1043	18.69	22.31	85.13	85.19	Top of Pump
PZ-203-SS	5/9/2011	1342	58.19	46.28	111.39	111.38	
PZ-204-SS	5/9/2011	1352	45.19	32.87	88.00	88.02	
PZ-204A-SS	5/9/2011	1355	20.18	12.19	83.29	83.28	
PZ-205-AS	5/9/2011	0945	26.89	28.48	50.14	50.16	
PZ-205-SS	5/9/2011	0947	31.16	36.17	92.93	92.78	Double Checked Top of Pump
PZ-206-SS	5/9/2011	0922	34.51	40.31	126.78	126.78	
PZ-207-AS	5/9/2011	0844	27.84	29.72	39.43	39.45	
PZ-208-SS	5/9/2011	1307	25.00	31.49	100.35	100.38	
PZ-305-AI/LR-104-AI	5/9/2011	0927	25.62	27.11	40.17	40.23	
PZ-1201-SS	5/9/2011	NA	NA	NA	NA	NA	UNABLE TO FIND, WELL IS BURIED
S-5	5/9/2011	0858	31.24	33.58	44.33	44.32	
S-84	5/9/2011	1338	21.76	24.10	33.32	33.30	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Bryan Sehie & Kate Whitener

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	11/16/2011	1316	35.75	35.55	107.88	107.84	
D-85	11/16/2011	1252	21.09	20.30	81.04	81.04	
I-4	11/16/2011	1322	34.01	31.73	78.70	78.66	
I-68	11/16/2011	1602	18.07	15.30	40.85	40.76	
I-73	11/16/2011	1403	27.92	27.89	50.37	50.38	
LR-103	11/16/2011	1332	38.38	36.41	49.92	49.89	
LR-104	11/16/2011	1553	27.14	25.21	65.04	65.01	Also Labeled PZ-305
MW-F1S	11/16/2011	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D	11/16/2011	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204	11/16/2011	1444	42.15	46.61	171.70	171.40	TOP OF PUMP double checked
PZ-100-KS	11/16/2011	1634	35.79	32.35	388.57	388.56	
PZ-100-SD	11/16/2011	1632	75.19	64.70	96.32	96.31	TOP OF PUMP
PZ-100-SS	11/16/2011	1629	67.53	58.55	89.31	89.39	TOP OF PUMP
PZ-101-SS	11/16/2011	1543	90.10	85.15	155.55	155.67	double checked
PZ-102-SS	11/16/2011	1535	65.29	51.75	91.50	91.46	
PZ-102R-SS	11/16/2011	1537	45.91	41.95	91.15	91.13	
PZ-103-SS	11/16/2011	1530	64.90	63.38	149.73	149.80	
PZ-104-KS	11/16/2011	1512	24.00	22.11	411.11	411.12	
PZ-104-SD	11/16/2011	1509	29.40	36.42	120.19	120.15	TOP OF PUMP
PZ-104-SS	11/16/2011	1506	32.80	35.66	140.13	140.10	TOP OF PUMP
PZ-105-SS	11/16/2011	1454	32.82	33.94	144.57	144.57	TOP OF PUMP
PZ-106-KS	11/16/2011	1439	8.49	6.75	375.24	375.23	
PZ-106-SD	11/16/2011	1433	28.63	28.98	196.22	196.25	TOP OF PUMP
PZ-106-SS	11/16/2011	1436	26.97	27.36	161.20	161.45	TOP OF PUMP
PZ-107-SS	11/16/2011	1427	32.48	30.73	104.00	103.97	
PZ-108-SS	11/16/2011	1359	57.02	51.69	148.09	148.15	
PZ-109-SS	11/16/2011	1345	82.97	67.00	131.10	131.13	TOP OF PUMP

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Bryan Sehie & Kate Whitener

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	11/16/2011	1353	31.87	29.83	107.10	107.04	Top of Pump
PZ-111-KS	11/16/2011	1338	12.16	10.84	374.50	374.51	
PZ-111-SD	11/16/2011	1339	34.16	32.67	196.88	196.83	Top of Pump
PZ-112-AS	11/16/2011	1314	30.23	28.27	38.90	28.89	
PZ-113-AD	11/16/2011	1309	29.26	27.00	110.15	110.10	
PZ-113-AS	11/16/2011	1311	29.18	27.02	39.25	39.23	
PZ-113-SS	11/16/2011	1307	29.48	27.24	160.42	160.45	
PZ-114-AS	11/16/2011	1406	18.94	15.90	26.33	26.37	Top of Pump
PZ-115-SS	11/16/2011	1608	46.90	17.40	81.08	80.90	Top of Pump
PZ-116-SS	11/16/2011	1447	39.21	43.40	150.00	149.96	Top of Pump
PZ-200-SS	11/16/2011	1625	~~47.97~~ 65.82	58.74	99.53	99.50	Labeled as GMP-7
PZ-201A-SS	11/16/2011	1619	47.97	45.66	86.21	86.30	Top of Pump
PZ-202-SS	11/16/2011	1519	20.52	18.69	85.17	85.13	Top of Pump
PZ-203-SS	11/16/2011	~~1458~~	32.46	58.19	111.39	111.39	
PZ-204-SS	11/16/2011	1646	19.29	45.19	88.02	88.00	labled as PZ-204DSS
PZ-204A-SS	11/16/2011	1643	8.75	20.18	83.10	83.29	doubled checked
PZ-205-AS	11/16/2011	1411	28.75	26.89	50.11	50.14	
PZ-205-SS	11/16/2011	1409	33.50	31.16	92.96	92.93	
PZ-206-SS	11/16/2011	1557	37.75	34.51	126.74	126.78	
PZ-207-AS	11/16/2011	~~1401~~ 1301	30.21	27.84	39.43	39.43	
PZ-208-SS	11/16/2011	1612	29.06	25.00	100.35	100.35	
PZ-305-AI/LR-104-AI	11/16/2011	1552	27.61	25.62	40.18	40.17	
PZ-1201-SS	11/16/2011		NA	NA	NA	NA	UNABLE TO FIND, WELL IS BURIED
S-5	11/16/2011	1321	33.84	31.24	44.39	44.33	
S-84	11/16/2011	1257	24.38	21.76	33.28	33.32	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Matt Stewart and Shane Tamborski

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	5/9/2012	1626	~~70~~ 34.88	35.75	107.91	107.88	
D-85	5/9/2012	1349	23.68	21.09	81.09	81.04	
I-4	5/9/2012	1634	33.12	34.01	78.70	78.70	
I-68	5/9/2012	1353	16.92	18.07	40.86	40.85	
I-73	5/9/2012	1514	28.16	27.92	50.38	50.37	
LR-103	5/9/2012	1557	37.52	38.38	49.93	49.92	
LR-104	5/9/2012	1549	26.23	27.14	65.04	65.04	Also Labeled PZ-305
MW-F1S	5/9/2012	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D	5/9/2012	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204	5/9/2012	1411	32.34	42.15	171.72	171.70	TOP OF PUMP Double Checked
PZ-100-KS	5/9/2012	1257	27.44	35.79	388.47	388.57	
PZ-100-SD	5/9/2012	1251	40.19	75.19	96.51	96.32	TOP OF PUMP Double Checked
PZ-100-SS	5/9/2012	1253	39.14	67.53	89.41	89.31	TOP OF PUMP Double Checked
PZ-101-SS	5/9/2012	1234	61.01	90.10	155.72	155.55	Double Checked
PZ-102-SS	5/9/2012	1145	37.48	65.29	91.52	91.50	Double Checked
PZ-102R-SS	5/9/2012	1151	35.90	45.91	91.19	91.15	Double checked
PZ-103-SS	5/9/2012	1132	29.94	64.90	149.86	149.73	Double Checked
PZ-104-KS	5/9/2012	1103	19.88	24.00	411.18	411.11	
PZ-104-SD	5/9/2012	1100	24.97	29.40	120.36	120.19	TOP OF PUMP
PZ-104-SS	5/9/2012	1057	24.70	32.80	140.37	140.13	TOP OF PUMP
PZ-105-SS	5/9/2012	1043	27.10	32.82	144.65	144.57	TOP OF PUMP
PZ-106-KS	5/9/2012	1446	5.41	8.49	375.06	375.24	
PZ-106-SD	5/9/2012	1433	16.94	28.63	196.25	196.22	TOP OF PUMP
PZ-106-SS	5/9/2012	1438	15.86	26.97	161.23	161.20	TOP OF PUMP
PZ-107-SS	5/9/2012	1457	31.46	32.48	104.03	104.00	
PZ-108-SS	5/9/2012	1521	19.17	57.02	148.11	148.09	Double Checked
PZ-109-SS	5/9/2012	1530	27.18	82.97	131.12	131.10	TOP OF PUMP Double Checked

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Matt Stewart and Shane Tamborski

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	5/9/2012	1535	28.24	31.87	107.19	107.10	Top of Pump
PZ-111-KS	5/9/2012	1605	9.65	12.16	374.58	374.50	
PZ-111-SD	5/9/2012	1602	33.68	34.16	196.86	196.88	Top of Pump
PZ-112-AS	5/9/2012	1612	29.53	30.23	38.91	38.90	
PZ-113-AD	5/9/2012	1620	28.37	29.26	110.23	110.15	
PZ-113-AS	5/9/2012	1623	28.31	29.18	39.28	39.25	
PZ-113-SS	5/9/2012	1618	28.61	29.48	160.47	160.42	
PZ-114-AS	5/9/2012	1356	17.45	18.94	26.11	26.33	Top of Pump
PZ-115-SS	5/9/2012	1358	15.43	46.90	81.18	81.08	Top of Pump
PZ-116-SS	5/9/2012	1407	31.39	39.21	150.00	150.00	Top of Pump
PZ-200-SS	5/9/2012	1246	40.07	65.82	99.59	99.53	Double Checked Labeled as GMP-7
PZ-201A-SS	5/9/2012	1241	23.97	47.97	86.22	86.21	Double Checked Top of Pump
PZ-202-SS	5/9/2012	1123	14.79	20.52	85.29	85.17	Top of Pump
PZ-203-SS	5/9/2012	1049	27.60	32.46	111.41	111.39	
PZ-204-SS	5/9/2012	1421	10.79	19.29	88.05	88.02	
PZ-204A-SS	5/9/2012	1419	6.62	8.75	~~78.81~~	83.10	78.81 Double Checked
PZ-205-AS	5/9/2012	1508	~~27.42~~ NO	28.75	50.15	50.11	WL= 27.47
PZ-205-SS	5/9/2012	1503	27.42	33.50	93.00	92.96	
PZ-206-SS	5/9/2012	1541	26.62	37.75	126.78	126.74	
PZ-207-AS	5/9/2012	1641	29.32	30.21	39.50	39.43	
PZ-208-SS	5/9/2012	1305	23.19	29.06	100.42	100.35	
PZ-305-AI/LR-104-AI	5/9/2012	1551	26.71	27.61	40.24	40.18	
PZ-1201-SS	5/9/2012	N/A	NA	NA	NA	NA	UNABLE TO FIND, WELL IS BURIED
S-5	5/9/2012	~~1347~~	31.21	33.84	44.37	44.39	Time = 1630
S-84	5/9/2012	1345	23.47	24.38	33.33	33.28	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill OU-1

Personnel: John D Regan and Ward Herst

Well ID	Date	Time	Depth to Water (ft)	Total Depth (ft)	Notes
D-12	5/15/2012	0940	46.98	150.13	
D-13	5/15/2012	0957	37.48	137.48	
D-6	5/15/2012	1322	14.64	108.95	Severely overgrown
D-81	5/15/2012	1136	Presumed Destroyed: no well at GPS location or vicinity		
D-83	5/15/2012	1436	Presumed Present: Inaccessible, location severely overgrown		
D-85	5/15/2012	23.83	For correlation with water levels measured on 5/9/12		
D-87	5/15/2012	1016	Damaged: obstructed at 3.93, obstruction is soft		
D-89	5/15/2012	1124	Presumed Destroyed: no well at GPS location or vicinity		
D-92	5/15/2012	0949	Presumed Destroyed: location under 20' tall pile of concrete debris		
D-93	5/15/2012	1224	18.08	57.09	Due to TD, suspect mis-labeled, most likely I-9
D-94	5/15/2012	1421	Presumed Present: Inaccessible, location severely overgrown		
I-11	5/15/2012	0926	47.31	94.49	
I-2	5/15/2012	1230	Presumed Present: Inaccessible, location severely overgrown		
I-55	5/15/2012	1245	Presumed Present: Inaccessible, location severely overgrown		
I-56	5/15/2012	1202	Presumed Destroyed: no well at GPS location or vicinity		
I-58	5/15/2012	1213	Presumed Destroyed: no well at GPS location or vicinity		
I-59	5/15/2012	1215	Presumed Destroyed: no well at GPS location or vicinity		
I-62	5/15/2012	1435	Presumed Present: Inaccessible, location severely overgrown		
I-65	5/15/2012	1420	Unable to locate: Inaccessible, location severely overgrown		
I-66	5/15/2012	1416	8.68	41.35	
I-67	5/15/2012	1409	Damaged: unable to measure, PVC broken below ground surface		
I-7	5/15/2012	1335	Presumed Present: Inaccessible, location severely overgrown		
I-9	5/15/2012	1221	17.13	114.60	Due to TD, suspect mis-labeled, most likely D-93
LR-100	5/15/2012	1110	Presumed Destroyed: no well at GPS location or vicinity		
LR-101	5/15/2012	1040	Presumed Destroyed: no well at GPS location or vicinity		
LR-102	5/15/2012	1032	Presumed Destroyed: location under soil stockpile		
LR-105	5/15/2012	1057	31.49	38.43	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill OU-1

Personnel: John D Regan and Ward Herst

Well ID	Date	Time	Depth to Water (ft)	Total Depth (ft)	Notes
MW-101	5/15/2012	1337	Presumed Present: Inaccessible, location severely overgrown		
MW-102	5/15/2012	1332	15.23	20.50	Severely overgrown
MW-103	5/15/2012	1212	Damaged: casing bent at 45° angle, unable to measure		
MW-104	5/15/2012	1144	8.11	18.98	
MW-F2	5/15/2012	1146	Presumed Destroyed: no well at GPS location or vicinity		
MW-F3	5/15/2012	0959	Presumed Destroyed: location under toe of C&D landfill		
PZ-302-AI	5/15/2012	1132	18.21	44.28	
PZ-302-AS	5/15/2012	1129	18.27	24.58	
PZ-303-AS	5/15/2012	1155	20.3	28.32	
PZ-304-AI	5/15/2012	1201	21.12	52.25	
PZ-304-AS	5/15/2012	1205	20.83	29.35	
S-1	5/15/2012	1231	Presumed Present: Inaccessible, location severely overgrown		
S-10	5/15/2012	0930	47.26	56.83	
S-54	5/15/2012	1145	Presumed Destroyed: no well at GPS location or vicinity		
S-60	5/15/2012	1240	Presumed Present: Inaccessible, location severely overgrown		
S-61	5/15/2012	1312	16.82	26.49	Severely overgrown
S-75	5/15/2012	1103	Damaged: casing bent at 45° angle, unable to measure		
S-76	5/15/2012	1135	Presumed Destroyed: no well at GPS location or vicinity		
S-8	5/15/2012	1437	Presumed Present: Inaccessible, location severely overgrown		
S-82	5/15/2012	1217	17.24	25.32	
S-84	5/15/2012	1429	23.61	For correlation with water levels measured on 5/9/12	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Shane Tamborski, Jon Wilkinson, Bill Abernathy and Rachael Haynes

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-12	7/30/2012	1103	50.26	46.98	148.60	150.13	
D-13	7/30/2012	1054	40.90	37.48	136.02	137.48	
D-6	7/30/2012	1303	18.01	14.64	108.28	108.95	Severely overgrown
D-81	7/30/2012	1444	21.02	NA	62.75	NA	Presumed Destroyed: no well at GPS location or vicinity
D-83	7/30/2012	1000	18.99	NA	98.41	NA	Presumed Destroyed: no well at GPS location or vicinity
D-85	7/30/2012	1026	27.29	NA	81.07	NA	For correlation with water levels measured on 5/9/12
D-87	7/30/2012	1116	34.72	NA	112.75	NA	Damaged: obstructed at 3.93, obstruction is soft
D-89	7/30/2012			NA		NA	Presumed Destroyed: no well at GPS location or vicinity
D-92	7/30/2012			NA		NA	Presumed Destroyed: location under 20' tall pile of concrete debris
D-93	7/30/2012	1543	21.34	18.08	57.10	57.09	Due to TD, suspect mis-labeled, most likely I-9
D-94	7/30/2012	Damaged		NA		NA	Presumed Present: Inaccessible, location severely overgrown
I-11	7/30/2012	1106	50.57	47.31	94.40	94.49	
I-2	7/30/2012			NA		NA	Presumed Present: Inaccessible, location severely overgrown
I-55	7/30/2012			NA		NA	Presumed Present: Inaccessible, location severely overgrown
I-56	7/30/2012			NA		NA	Presumed Destroyed: no well at GPS location or vicinity
I-58	7/30/2012			NA		NA	Presumed Destroyed: no well at GPS location or vicinity
I-59	7/30/2012			NA		NA	Presumed Destroyed: no well at GPS location or vicinity
I-62	7/30/2012	1003	16.70	NA	44.95	NA	Presumed Present: Inaccessible, location severely overgrown
I-65	7/30/2012	1635	12.25	NA	38.90	NA	Unable to locate: Inaccessible, location severely overgrown
I-66	7/30/2012	1045	12.20	8.68	41.29	41.35	
I-67	7/30/2012	1040	12.18	NA	40.59	NA	Damaged: unable to measure, PVC broken below ground surface
I-7	7/30/2012			NA		NA	Presumed Present: Inaccessible, location severely overgrown
I-9	7/30/2012	1539	20.35	17.13	114.50	114.60	Due to TD, suspect mis-labeled, most likely D-93
LR-100	7/30/2012	1204	17.40	NA	27.21	NA	Presumed Destroyed: no well at GPS location or vicinity
LR-101	7/30/2012			NA		NA	Presumed Destroyed: no well at GPS location or vicinity
LR-102	7/30/2012			NA		NA	Presumed Destroyed: location under soil stockpile
LR-105	7/30/2012	1156	31.38	31.49	37.96	38.43	

D-93 as I-9 & I-9 as D-93 possibly mislabeled

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Shane Tamborski, Jon Wilkinson, Bill Abernathy and Rachael Haynes

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
MW-101	7/30/2012			NA		NA	Presumed Present: Inaccessible, location severely
MW-102	7/30/2012	1312	18.53	15.23	22.80	20.5	Severely overgrown
MW-103	7/30/2012	1522	9.50	NA	14.45	NA	Damaged: casing bent at 45° angle, unable to measure
MW-104	7/30/2012	1456	11.09	8.11	19.00	18.95	
MW-F2	7/30/2012			NA		NA	Presumed Destroyed: no well at GPS location or vicinity
MW-F3	7/30/2012			NA		NA	Presumed Destroyed: location under toe of C&D landfill
PZ-302-AI	7/30/2012	1436	21.22	18.21	44.25	44.28	
PZ-302-AS	7/30/2012	1439	21.28	18.27	24.54	24.58	
PZ-303-AS	7/30/2012	1507	23.42	20.3	28.29	28.32	
PZ-304-AI	7/30/2012	1510	24.19	21.12	52.20	52.25	
PZ-304-AS	7/30/2012	1513	23.90	20.83	29.32	29.35	
S-1	7/30/2012			NA		NA	Presumed Present: Inaccessible, location severely
S-10	7/30/2012	1108	50.54	47.26	56.81	56.83	
S-54	7/30/2012			NA		NA	Presumed Destroyed: no well at GPS location or vicinity
S-60	7/30/2012			NA		NA	Presumed Present: Inaccessible, location severely
S-61	7/30/2012	1315	20.17	16.82	26.48	26.49	Severely overgrown
S-75	7/30/2012	Blockage at		NA	17.45	NA	Damaged: casing bent at 45° angle, unable to measure
S-76	7/30/2012			NA		NA	Presumed Destroyed: no well at GPS location or vicinity
S-8	7/30/2012	1233	14.49	NA	31.20	NA	Presumed Present: Inaccessible, location severely
S-82	7/30/2012	1535	20.48	17.24	25.49	25.32	
S-84	7/30/2012	1028	26.98	23.61	33.30	NA	For correlation with water levels measured on 5/9/12
S-53	7/30/2012	1426	14.27	NA	17.00	NA	
LR-103	8/6/2012	1235	40.79		49.89		

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Shane Tamborski, Jon Wilkinson, Bill Abernathy and Rachael Haynes

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	7/30/2012	1356	38.11	34.88	107.86	107.91	
✓ D-85	7/30/2012			23.68		81.09	
I-4	7/30/2012	1407	36.00	33.12	78.66	78.70	
I-68	7/30/2012	1239	20.63	16.92	40.77	40.86	
I-73	7/30/2012	1524	28.25	28.16	50.38	50.38	
LR-103	7/30/2012	1653	40.70	37.52	49.90	49.93	
LR-104	7/30/2012	1652	29.11	26.23	65.00	65.04	Also Labeled PZ-305
MW-F1S	7/30/2012	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D	7/30/2012	NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204	7/30/2012	1630	33.20	32.34	171.72	171.72	TOP OF PUMP
PZ-100-KS	7/30/2012	1213	30.41	27.44	388.15	388.47	
PZ-100-SD	7/30/2012	1210	52.93	40.19	96.48	96.51	TOP OF PUMP
PZ-100-SS	7/30/2012	1206	47.50	39.14	89.25	89.41	TOP OF PUMP
PZ-101-SS	7/30/2012	1139	72.73	61.01	155.61	155.72	
PZ-102-SS	7/30/2012	1124	44.80	37.48	91.48	91.52	
PZ-102R-SS	7/30/2012	1131	37.78	35.90	91.04	91.19	
PZ-103-SS	7/30/2012	1114	42.74	29.94	149.79	149.86	
PZ-104-KS	7/30/2012	1030	22.40	19.88	409.26	411.18	Double checked total Depth
PZ-104-SD	7/30/2012	1043	23.80	24.97	120.50	120.36	TOP OF PUMP
PZ-104-SS	7/30/2012	1045	23.48	24.70	140.22	140.37	TOP OF PUMP
PZ-105-SS	7/30/2012	1013	27.74	27.10	144.81	144.65	TOP OF PUMP
PZ-106-KS	7/30/2012	1559	6.82	5.41	374.97	375.06	
PZ-106-SD	7/30/2012	1557	18.26	16.74	196.15	196.25	TOP OF PUMP
PZ-106-SS	7/30/2012	1551	16.92	15.86	161.20	161.23	TOP OF PUMP
PZ-107-SS	7/30/2012	1537	34.40	31.46	103.99	104.03	
PZ-108-SS	7/30/2012			19.17		148.11	
PZ-109-SS	7/30/2012	1511	59.91	27.18	131.18	131.12	TOP OF PUMP

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MOS per Dave Vasbinder

PZ-108-SS - inaccessible due to current liner work - actionable I.A. D.N. to utalize PID, Respirator ~~and possible~~ methane meter to monitor Headspace

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Shane Tamborski, Jon Wilkinson, Bill Abernathy and Rachael Haynes

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	7/30/2012	1459	33.21	28.24	107.11	107.19	Top of Pump
PZ-111-KS	7/30/2012	1450	10.71	9.65	374.59	374.58	
PZ-111-SD	7/30/2012	1444	35.93	33.68	196.81	196.86	Top of Pump
PZ-112-AS	7/30/2012	1429	32.78	29.53	38.83	38.91	
PZ-113-AD	7/30/2012	1420	31.68	28.37	110.12	110.23	
PZ-113-AS	7/30/2012	1418	31.55	28.31	39.22	39.28	
PZ-113-SS	7/30/2012	1424	31.85	28.61	160.43	160.47	
PZ-114-AS	7/30/2012	1232	21.35	17.45	26.35	26.11	Top of Pump
PZ-115-SS	7/30/2012	1235	36.93	15.43	80.92	81.18	Top of Pump double checked water level
PZ-116-SS	7/30/2012	1626	31.80	31.39	149.98	150.00	Top of Pump
PZ-200-SS	7/30/2012	1146	45.58	40.07	99.51	99.59	Labeled as GMP-7
PZ-201A-SS	7/30/2012	1156	33.55	23.97	86.11	86.22	Top of Pump
PZ-202-SS	7/30/2012	1108	17.78	14.79	85.24	85.29	Top of Pump
PZ-203-SS	7/30/2012	1101	27.80	27.60	111.38	111.41	
PZ-204-SS	7/30/2012	1611	12.85	10.79	88.01	88.05	Labeled 3040-55
PZ-204A-SS	7/30/2012	1615	7.31	6.62	83.34	78.81	Double check total depth Labeled 204A-55
PZ-205-AS	7/30/2012	1534	30.28	27.47	50.15	50.15	
PZ-205-SS	7/30/2012	1531	31.51	27.42	92.95	93.00	
PZ-206-SS	7/30/2012	1520	34.70	26.62	126.80	126.78	
PZ-207-AS	7/30/2012	1437	32.75	29.32	39.45	39.50	
PZ-208-SS	7/30/2012	1224	26.01	23.19	100.36	100.42	
PZ-305-AI	7/30/2012	1650	29.60	26.71	40.18	40.24	Also Labeled LR-104-AI
PZ-1201-SS	7/30/2012	NA	NA	NA	NA	NA	Unable to Find, Well is Buried
S-5	7/30/2012	1403	36.01	31.21	44.34	44.37	
✓ S-84	7/30/2012			23.47		33.33	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Shane Tamborski & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	11/26/12	0956	40.31	34.88	107.75	107.91	
D-85	11/26/12	1007	29.37	23.68	80.65	81.09	
I-4	11/26/12	0958	38.54	33.12	78.65	78.70	
I-68	11/26/12	1016	22.73	16.92	40.75	40.86	
I-73	11/26/12	1405	33.38	28.16	50.03	50.38	
LR-103	11/26/12	1441	42.79	37.52	49.80	49.93	
LR-104	11/26/12	1417	31.42	26.23	64.99	65.04	Also labeled PZ-305.
MW-1204	11/26/12	1316	33.51	32.34	171.70	171.72	TD is top of pump.
PZ-100-KS	11/26/12	1040	29.56	27.44	387.45	388.47	TD- Double checked
PZ-100-SD	11/26/12	1037	46.18	40.19	96.55	96.51	TD is top of pump.
PZ-100-SS	11/26/12	1035	40.20	39.14	89.28	89.41	TD is top of pump.
PZ-101-SS	11/26/12	1107	69.81	61.01	156.00	155.72	
PZ-102-SS	11/26/12	1114	36.28	37.48	91.44	91.52	
PZ-102R-SS	11/26/12	1116	34.47	35.90	91.10	91.19	
PZ-103-SS	11/26/12	1123	27.30	29.94	149.62	149.86	
PZ-104-KS	11/26/12	1143	21.89	19.88	411.25	411.18	
PZ-104-SD	11/26/12	1138	25.04	24.97	120.51	120.36	TD is top of pump.
PZ-104-SS	11/26/12	1140	23.05	24.70	140.24	140.37	TD is top of pump.
PZ-105-SS	11/26/12	1157	27.52	27.10	144.82	144.65	TD is top of pump.
PZ-106-KS	11/26/12	1335	6.59	5.41	374.90	375.06	
PZ-106-SD	11/26/12	1332	17.93	16.74	196.20	196.25	TD is top of pump.
PZ-106-SS	11/26/12	1330	16.72	15.86	161.26	161.23	TD is top of pump.
PZ-107-SS	11/26/12	1351	36.45	31.46	104.00	104.03	
PZ-108-SS	11/26/12	1427	NA	19.17	NA	148.11	no longer present
PZ-109-SS	11/26/12	1429	54.65	27.18	131.04	131.12	n.i. - Double checked TD is top of pump.
PZ-110-SS	11/26/12	1435	34.95	28.24	107.23	107.19	TD is top of pump.
PZ-111-KS	11/26/12	1450	10.66	9.65	374.20	374.58	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Shane Tamborski & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-111-SD	11/26/12	1448	38.32	33.68	196.01	196.86	TD- Double checked TD is top of pump.
PZ-112-AS	11/26/12	0948	34.86	29.53	38.70	38.91	
PZ-113-AD	11/26/12	1506	33.83	28.37	110.13	110.23	
PZ-113-AS	11/26/12	1503	33.80	28.31	39.18	39.28	
PZ-113-SS	11/26/12	1501	33.98	28.61	160.30	160.47	
PZ-114-AS	11/26/12	1020	23.40	17.45	26.35	26.11	TD is top of pump.
PZ-115-SS	11/26/12	1023	31.49	15.43	81.16	81.18	TD is top of pump.
PZ-116-SS	11/26/12	1321	31.73	31.39	149.90	150.00	TD is top of pump.
PZ-200-SS	11/26/12	1053	38.95	40.07	99.51	99.59	Labeled as GMP-7.
PZ-201A-SS	11/26/12	1100	23.32	23.97	86.07	86.22	TD is top of pump.
PZ-202-SS	11/26/12	1128	17.50	14.79	85.20	85.29	TD is top of pump.
PZ-203-SS	11/26/12	1154	27.95	27.60	111.38	111.41	
PZ-204-SS	11/26/12	1300	11.30	10.79	88.02	88.05	
PZ-204A-SS	11/26/12	1303	6.91	6.62	85.16	78.81	TD-Double checked
PZ-205-AS	11/26/12	1359	31.45	27.47	49.20	50.15	TD-Double checked
PZ-205-SS	11/26/12	1402	32.64	27.42	92.83	93.00	
PZ-206-SS	11/26/12	1421	35.67	26.62	126.38	126.78	
PZ-207-AS	11/26/12	1510	34.93	29.32	39.54	39.50	
PZ-208-SS	11/26/12	1030	25.33	23.19	100.40	100.42	
PZ-305-AI	11/26/12	1414	31.90	26.71	40.10	40.24	Also labeled as LR-104-AI.
S-5	11/26/12	0954	37.99	31.21	44.16	44.37	
S-84	11/26/12	1009	29.15	23.47	33.21	33.33	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: West Lake OU-1

Personnel: Jon Wilkinson, John Regan,

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-12	4/2/13	1314	52.33	50.26		148.60	
D-13		1321	43.24	40.90		136.02	
D-6		1058	20.12	18.01		108.28	
D-81		1155	22.82	21.02		62.75	
D-83		1120	21.15	18.99		98.41	
D-87		1304	37.02	34.72		112.75	Damaged: obstructed at 3.93, obstruction is soft
D-93		1143	23.28	21.34		114.50	
I-11		1310	52.77	50.57		94.40	
I-62		1118	18.90	16.70		44.95	
I-65		1342	14.43	12.25		38.90	
I-66		1333	14.57	12.20		41.29	
I-67		1328	14.51	12.18		40.59	
I-9		1145	22.30	20.35		57.10	
LR-100		1222	15.28	17.40		27.21	
LR-105		1237	32.53	31.38		37.96	
MW-102		1101	20.19	18.53		22.80	
MW-103		1133	11.44	9.50		14.45	Damaged: casing bent at 45° angle, unable to measure
MW-104		1150	12.81	11.09		19.00	
PZ-302-AI		1201	23.11	21.22		44.25	
PZ-302-AS		0925	23.40	21.28		24.54	
PZ-303-AS		1206	25.21	23.42		28.29	
PZ-304-AI		1212	26.05	24.19		52.20	
PZ-304-AS		1210	25.80	23.90		29.32	
S-10		1312	52.75	50.54		56.81	
S-53		0905	16.35	14.27		17.00	
S-61		1054	22.33	20.17		26.48	
S-75		1226	N/A	NA		17.45	Damaged: casing bent at 45° angle, unable to measure, bent @ 17.15
S-8		1112	16.73	14.49		31.20	
S-82	4/2/13	1142	22.44	20.48		25.49	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Jon Wilkinson, John Regan,

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	4/2/13	1319	40.55	38.11		107.86	
D-85		1257	29.65	27.46		81.07	
I-4		1326	38.77	36.00		78.66	
I-68		1253	22.91	20.63		40.77	
I-73		1416	33.43	28.25		50.38	
LR-103		1417	42.85	40.70		49.90	
LR-104		1410	31.62	29.11		65.00	Also Labeled PZ-305
MW-F1S		NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D		NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204		1100	27.84	33.20		171.72	TOP OF PUMP
PZ-100-KS		1213	26.32	30.41		388.15	
PZ-100-SD		1215	35.87	52.93		96.48	TOP OF PUMP
PZ-100-SS		1217	34.57	47.50		89.25	TOP OF PUMP
PZ-101-SS		1151	53.15	72.73		155.61	
PZ-102-SS		1143	27.67	44.80		91.48	
PZ-102R-SS		1140	28.79	37.78		91.04	
PZ-103-SS		1136	9.58	42.74		149.79	
PZ-104-KS		1119	18.71	22.40		409.26	
PZ-104-SD		1121	22.01	23.80		120.50	TOP OF PUMP
PZ-104-SS		1123	21.25	23.48		140.22	TOP OF PUMP
PZ-105-SS		1108	24.19	27.74		144.81	TOP OF PUMP
PZ-106-KS		1053	4.59	6.82		374.97	
PZ-106-SD		1051	14.69	18.20		196.15	TOP OF PUMP
PZ-106-SS		1049	13.57	16.92		161.20	TOP OF PUMP
PZ-107-SS		1258	36.30	34.40		103.99	
PZ-108-SS		NA	NA	NA	NA	NA	NO LONGER PRESENT
PZ-109-SS	4/2/13	1339	27.53	59.91		131.18	TOP OF PUMP

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Jon Wilkinson, John Regan,

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	4/2/13	1351	33.06	33.21		107.11	Top of Pump
PZ-111-KS		1343	9.20	10.71		374.59	
PZ-111-SD		1346	38.86	35.93		196.81	Top of Pump
PZ-112-AS		1331	35.09	32.78		38.83	
PZ-113-AD		1313	34.06	31.68		110.12	
PZ-113-AS		1311	33.98	31.55		39.22	
PZ-113-SS		1315	34.20	31.85		160.43	
PZ-114-AS		1250	23.37	21.35		26.35	Top of Pump
PZ-115-SS		1248	15.88	36.93		80.92	Top of Pump
PZ-116-SS		1103	27.25	31.80		149.98	Top of Pump
PZ-200-SS		1207	30.58	45.58		99.51	Labeled as GMP-7
PZ-201A-SS		1159	12.39	33.55		86.11	Top of Pump
PZ-202-SS		1129	14.08	17.78		85.24	Top of Pump
PZ-203-SS		1112	24.94	27.80		111.38	
PZ-204-SS		1249	8.76	12.85		88.01	
PZ-204A-SS		1247	4.85	7.31		83.34	
PZ-205-AS		1409	30.87	30.28		50.15	
PZ-205-SS		1412	31.02	31.51		92.95	
PZ-206-SS		1403	29.33	34.70		126.80	
PZ-207-AS		1304	35.11	32.75		39.45	
PZ-208-SS		1223	22.04	26.01		100.36	
PZ-305-AI		1407	32.14	29.60		40.18	Also Labeled LR-104-AI
PZ-1201-SS		NA	NA	NA	NA	NA	NO LONGER PRESENT
S-5		1322	37.63	36.01		44.34	
S-84	4/2/13	1259	29.43	26.98		33.30	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Jon Wilkinson, Matt Stewart

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	7/8/2013	1047	28.81	33.06	107.11	107.11	Top of Pump
PZ-111-KS		1042	8.51	9.20	374.59	374.59	
PZ-111-SD		1040	33.16	38.96	196.81	196.81	Top of Pump
PZ-112-AS		1034	29.09	35.09	38.83	38.83	
PZ-113-AD		1033	28.10	34.06	110.12	110.12	
PZ-113-AS		1034	28.05	33.98	39.22	39.22	
PZ-113-SS		1031	28.34	34.20	160.43	160.43	
PZ-114-AS		1359	17.39	23.37	26.35	26.35	~~Top of Pump~~ Top of Pump
PZ-115-SS		1357	14.94	15.88	80.92	80.92	Top of Pump
PZ-116-SS		1522	25.68	27.25	149.98	149.98	Top of Pump
PZ-200-SS		1423	26.66	30.58	99.51	99.51	Labeled as GMP-7
PZ-201A-SS		1432	10.60	12.39	86.11	86.11	Top of Pump
PZ-202-SS		1318	15.24	14.08	85.24	85.24	Top of Pump
PZ-203-SS		1240	24.84	24.94	111.38	111.38	
PZ-204-SS		1350	7.96	6.76	88.01	88.01	
PZ-204A-SS		1349	5.49	4.95	83.34	83.34	
PZ-205-AS		1120	25.46	30.97	50.15	50.15	
PZ-205-SS		1118	25.75	31.02	42.95	92.95	Top of Pump
PZ-206-SS		1519	26.14	29.33	126.80	126.80	
PZ-207-AS		1024	28.76	35.11	39.45	39.45	
PZ-208-SS		1438	21.57	22.04	100.36	100.36	
PZ-305-AI		1535	26.38	32.14	40.18	40.18	Also Labeled LR-104-AI
PZ-1201-SS		NA	NA	NA	NA	NA	NO LONGER PRESENT
S-5		1024	32.82	37.63	44.34	44.34	
S-84	7/8/13	0946	23.34	29.43	33.30	33.30	
D-14	7/8/2013	1629	28.97	—	33.32	—	Obstructed at 33.32

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GROUNDWATER ELEVATION MEASUREMENTS

Site: West Lake OU-1

Personnel: Jon Wilkinson, Matt Stewart

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-12	7/8/2013	0959	46.62	52.33	148.60	148.60	
D-13		1013	36.89	43.24	136.02	136.02	
D-6		1313	14.28	20.12	108.28	108.28	
D-81		1200	17.75	22.82	62.75	62.75	
D-83		1330	15.10	21.15	98.41	98.41	
D-87		1040	31.20	37.02	112.75	112.75	Damaged: ~~obstructed at 3.93, obstruction is soft~~
D-93		1247	16.85	23.28	114.50	114.50	
I-11		0956	46.90	52.77	94.40	94.40	
I-62		1332	12.80	18.90	44.95	44.95	
I-65		1501	8.08	14.43	38.90	38.90	
I-66		1446	8.29	14.57	41.29	41.29	
I-67		1443	8.23	14.51	40.59	40.59	
I-9		1247	17.82	22.30	57.10	57.10	
LR-100		1608	15.16	15.28	27.21	27.21	
LR-105		1425	30.49	32.53	37.96	37.96	
MW-102		1302	14.88	20.19	22.80	22.80	
MW-103		1238	6.40	11.44	14.45	14.45	~~Damaged: casing bent at 45° angle, unable to measure~~
MW-104		1208	7.83	12.81	19.00	19.00	
PZ-302-AI		1146	17.96	23.11	44.25	44.25	
PZ-302-AS		1148	17.57	23.40	24.54	24.54	
PZ-303-AS		1220	20.11	25.21	28.29	28.29	
PZ-304-AI		1231	20.88	26.05	52.20	52.20	
PZ-304-AS		1229	20.59	25.80	29.32	29.32	
S-10		0957	46.95	52.75	56.81	56.81	
S-53		1112	11.12	16.35	18.45	17.00	
S-61		1311	16.43	22.33	26.48	26.48	
S-75		N/A	N/A	NA	N/A	17.45	Damaged: casing bent at 45° angle, unable to measure
S-8		1337	10.54	16.73	31.20	31.20	
S-82	7/8/2013	1249	16.95	22.44	25.49	25.49	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill

Personnel: Jon Wilkinson, Matt Stewart

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	7/8/2013	1020	34.65	40.55	107.86	107.86	
D-85		0950	23.60	29.65	81.07	81.07	
I-4		1022	32.60	38.77	78.66	78.66	
I-68		1350	16.88	22.91	40.77	40.77	
I-73		1112	28.07	33.43	50.38	50.38	
LR-103		1051	37.29	42.85	49.90	49.90	
LR-104		1621	25.98	31.62	65.00	65.00	Also Labeled PZ-305
MW-F1S		NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-F1D		NA	NA	NA	NA	NA	NO LONGER PRESENT
MW-1204		1524 (M) ~~1504~~	27.47	27.84	171.72	171.72	TOP OF PUMP
PZ-100-KS		1415	26.14	26.32	388.15	388.15	
PZ-100-SD		1413	36.75	35.87	96.48	96.48	TOP OF PUMP
PZ-100-SS		1411	34.18	34.57	89.25	89.25	TOP OF PUMP
PZ-101-SS		1339	58.19	53.15	155.61	155.61	
PZ-102-SS		1501	25.63	27.67	91.48	91.48	
PZ-102R-SS		1503	25.14	28.79	91.04	91.04	
PZ-103-SS		1325	6.72	9.58	149.79	149.79	
PZ-104-KS		1249	19.11	18.71	409.26	409.26	
PZ-104-SD		1251	22.17	22.01	120.50	120.50	TOP OF PUMP
PZ-104-SS		1253	20.11	21.25	140.22	140.22	TOP OF PUMP
PZ-105-SS		1226	24.24	24.19	144.81	144.81	TOP OF PUMP
PZ-106-KS		1211	4.34	4.59	374.97	374.97	
PZ-106-SD		1213	13.52	14.69	196.15	196.15	TOP OF PUMP
PZ-106-SS		1215	12.47	13.57	161.20	161.20	TOP OF PUMP
PZ-107-SS		1140	31.12	36.30	103.99	103.99	
PZ-108-SS		NA	NA	NA	NA	NA	NO LONGER PRESENT
PZ-109-SS	7/8/2013	1053	35.86	27.53	131.18	131.18	TOP OF PUMP

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GROUNDWATER ELEVATION MEASUREMENTS

Site: West Lake OU-1

Personnel: Matt Stewart & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	9/30/2013	0911	37.50	34.65	N/A*	107.86	
D-6		1128	17.36	14.28	N/A*	108.28	
D-12		0909	49.61	46.62	N/A*	148.60	
D-13		1343	40.05	36.89	N/A*	136.02	
D-14		1432	30.17	28.97	N/A*	33.32	
D-81		0955	20.34	17.75	N/A*	62.75	
D-83		1152	18.37	15.10	N/A*	98.41	
D-85		0853	26.63	23.60	N/A*	81.07	
D-87		1502	44.05	31.20	N/A*	112.75	Double checked in
D-93		1059	19.75	16.85	N/A*	114.50	
I-4		0913	35.39	32.60	N/A*	78.66	
I-9		1100	20.68	17.82	N/A*	57.10	
I-11		0905	49.89	46.90	N/A*	94.40	
I-62		1153	16.00	12.80	N/A*	44.95	
I-65		1400	11.49	8.08	N/A*	38.90	
I-66		1356	11.54	8.29	N/A*	41.29	
I-67		1351	11.45	8.23	N/A*	40.59	
I-68		1326	19.92	16.88	N/A*	40.77	
I-73		0952	30.73	28.07	N/A*	50.38	
S-5		0915	35.76	32.82	N/A*	44.34	
S-8		1143	13.81	10.54	N/A*	31.20	
S-10		0907	49.94	46.95	N/A*	56.81	
S-53		0928	13.70	11.12	N/A*	17.00	
S-61		1129	19.53	16.43	N/A*	26.48	
S-75		N/A	N/A	NA	N/A*	N/A	Damaged: casing bent at 45° angle, unable to measure
S-82		1057	19.79	16.95	N/A*	25.49	
S-84	9/30/2013	0851	26.84	23.34	N/A*	33.30	

* N/A = Total Depths from July 2012 event utilized for this event.

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GROUNDWATER ELEVATION MEASUREMENTS

Site: West Lake OU-1

Personnel: Matt Stewart & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
LR-100	9/30/2013	1225	16.58	15.16	N/A*	27.21	
LR-103		1458	39.95	37.29	N/A*	49.90	
LR-104		1441	28.55	25.98	N/A*	65.00	Also Labeled as PZ-305.
LR-105		1235	31.39	30.49	N/A*	37.96	
MW-102		1131	17.93	14.88	N/A*	22.80	
MW-103		1032	8.85	6.40	N/A*	14.45	
MW-104		1002	10.39	7.83	N/A*	19.00	
MW-1204		1048	25.38	27.47	N/A*	171.72	TD is Top of pump.
PZ-100-KS		1348	26.07	26.14	N/A*	388.15	
PZ-100-SD		1346	34.99	36.75	N/A*	96.48	TD is Top of pump.
PZ-100-SS		1344	33.72	34.18	N/A*	89.25	TD is Top of pump.
PZ-101-SS		1210	54.49	58.19	N/A*	155.61	
PZ-102-SS		1158	24.77	25.63	N/A*	91.48	
PZ-102R-SS		1200	25.48	25.14	N/A*	91.04	
PZ-103-SS		1148	8.64	6.72	N/A*	149.79	
PZ-104-KS		1121	20.05	19.11	N/A*	409.26	
PZ-104-SD		1123	21.99	22.17	N/A*	120.50	TD is Top of pump.
PZ-104-SS		1125	19.56	20.11	N/A*	140.22	TD is Top of pump.
PZ-105-SS		1059	24.69	24.24	N/A*	144.81	TD is Top of pump.
PZ-106-KS		1029	5.05	4.34	N/A*	374.97	
PZ-106-SD		1031	12.38	13.52	N/A*	196.15	TD is Top of pump.
PZ-106-SS		1033	11.39	12.47	N/A*	161.20	TD is Top of pump.
PZ-107-SS		1017	33.62	31.12	N/A*	103.99	
PZ-109-SS		0943	27.81	35.86	N/A*	131.18	TD is Top of pump.
PZ-110-SS		0934	30.65	28.81	N/A*	107.11	TD is Top of pump.
PZ-111-KS		1222	9.11	8.51	N/A*	374.59	
PZ-111-SD	9/30/2013	1220	35.11	33.16	N/A*	196.81	TD is Top of pump.

* N/A = Total Depths from July 2012 event utilized for this event.

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GROUNDWATER ELEVATION MEASUREMENTS

Site: West Lake OU-1

Personnel: Matt Stewart & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-112-AS	9/30/2013	0927	31.87	29.09	N/A*	38.83	
PZ-113-AD		1427	30.98	28.10	N/A*	110.12	
PZ-113-AS		1429	30.90	28.05	N/A*	39.22	
PZ-113-SS		1426	31.17	28.34	N/A*	160.43	
PZ-114-AS		1332	20.54	17.39	N/A*	26.35	TD is Top of pump.
PZ-115-SS		1334	17.11	14.94	N/A*	80.92	TD is Top of pump.
PZ-116-SS		1050	24.21	25.68	N/A*	149.98	TD is Top of pump.
PZ-200-SS		1358	26.27	26.66	N/A*	99.51	Labeled as GMP-7.
PZ-201A-SS		1405	11.95	10.60	N/A*	86.11	TD is Top of pump.
PZ-202-SS		1139	15.49	15.24	N/A*	85.24	TD is Top of pump.
PZ-203-SS		1113	25.23	24.84	N/A*	111.38	
PZ-204-SS		1209	7.52	7.90	N/A*	88.01	
PZ-204A-SS		1210	5.63	5.49	N/A*	83.34	
PZ-205-AS		1008	27.31	25.46	N/A*	50.15	
PZ-205-SS		1001	26.83	25.75	N/A*	92.95	TD is Top of pump.
PZ-206-SS		1451	26.80	26.14	N/A*	126.80	
PZ-207-AS		1332	31.77	28.76	N/A*	39.45	
PZ-208-SS		1415	21.40	21.57	N/A*	100.36	
PZ-302-AI		0945	20.52	17.96	N/A*	44.25	
PZ-302-AS		0947	20.56	17.57	N/A*	24.54	
PZ-303-AS		1011	23.08	20.11	N/A*	28.29	
PZ-304-AI		1025	23.48	20.88	N/A*	52.20	
PZ-304-AS		1027	23.26	20.59	N/A*	29.32	
PZ-305-AI	9/30/2013	1442	29.01	26.38	N/A*	40.18	Also labeled as LR-104-AI.

* N/A = Total Depths from July 2012 event utilized for this event.

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Matt Stewart & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	5/27/14 ~~5/27/14~~	1143	79.84	37.50	107.68	107.86	
D-85		1043	29.01	26.63	77.28	81.07	Double Checked TD
I-4		1146	37.79	35.39	56.62	78.66	Double Checked TD
I-68		1003	22.26	19.92	40.45	40.77	
I-73		1521	32.93	30.73	49.90	50.38	
LR-103		1620	41.18	39.95	49.75	49.90	
LR-104		1516	30.79	28.55	64.83	65.00	Also labeled PZ-305.
MW-1204		1402	23.69	25.38	171.43	171.72	TD is top of pump.
PZ-100-KS		1014	24.52	26.07	381.31	388.15	Double Checked TD
PZ-100-SD		1020	35.54	34.99	96.25	96.48	TD is top of pump.
PZ-100-SS		1024	32.29	33.72	89.36	89.25	TD is top of pump.
PZ-101-SS		1108 ~~1024~~	54.26	54.49	155.69	155.61	
PZ-102-SS		1122	23.49	24.77	91.30	91.48	
PZ-102R-SS		1119	23.38	25.48	90.91	91.04	
PZ-103-SS		1129	6.07	8.64	149.63	149.79	
PZ-104-KS		1201	18.09	20.05	409.26	409.26	
PZ-104-SD		1158	21.85	21.99	120.50	120.50	TD is top of pump.
PZ-104-SS		1155	9.52	19.56	140.53	140.22	TD is top of pump.
PZ-105-SS		1356	24.41	24.69	144.82	144.81	TD is top of pump.
PZ-106-KS		1551	3.71	5.05	374.98	374.97	
PZ-106-SD		1559	11.40	12.38	196.11	196.15	TD is top of pump.
PZ-106-SS		1603	10.58	11.39	161.15	161.20	TD is top of pump.
PZ-107-SS		1540	35.67	33.62	103.80	103.99	
PZ-109-SS		1428	34.14	27.81	130.88	131.18	TD is top of pump.
PZ-110-SS		1226	33.11	30.65	106.90	107.11	TD is top of pump.
PZ-111-KS		1214	8.29	9.11	374.57	374.59	
PZ-111-SD		1216	38.42	35.11	196.48	196.81	TD is top of pump.
PZ-112-AS		1206	34.15	31.87	38.59	38.83	
PZ-113-AD	~~5/27/14~~ 5/27/14	1126	33.38	30.98	109.92	110.12	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Matt Stewart & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-113-AS	5/27/14	1128	33.30	30.90	39.28	39.22	
PZ-113-SS	5/27/14	1123	33.56	31.17	160.21	160.43	
PZ-114-AS	5/28/14	0824	22.83	20.54	26.20	26.35	TD is top of pump.
PZ-115-SS	5/28/14	0825	17.33	17.11	81.02	80.92	TD is top of pump.
PZ-116-SS	5/27/14	1405	23.24	24.21	149.60	149.98	TD is top of pump.
PZ-200-SS		1042	25.15	26.27	99.28	99.51	Labeled as GMP-7.
PZ-201A-SS		1052	9.02	11.95	86.08	86.11	TD is top of pump.
PZ-202-SS		1348	12.84	15.49	85.12	85.24	TD is top of pump.
PZ-203-SS		1226	25.57	25.23	111.10	111.38	
PZ-204-SS		1615	9.44	7.52	88.00	88.01	
PZ-204A-SS		1618	4.90	5.63	84.40	83.34	
PZ-205-AS		1533	28.81	27.31	49.05	50.15	
PZ-205-SS		1530	27.15	26.83	93.01	92.95	
PZ-206-SS		1433	29.19	26.80	126.67	126.80	
PZ-207-AS		1114	34.19	31.77	39.14	39.45	
PZ-208-SS		1032	21.18	21.40	100.35	100.36	
PZ-209-SD		1332	24.73	26.71	253.05	252.98	
PZ-209-SS		1330	23.15	25.48	152.70	152.74	
PZ-210-SD		1218	27.16	28.61	250.13	250.72	
PZ-210-SS		1215	26.20	27.11	150.39	150.38	
PZ-211-SD		1141	23.26	24.55	249.82	249.88	
PZ-211-SS		1138	21.55	23.49	149.99	149.99	
PZ-212-SD		1339	15.51	17.48	239.60	239.95	
PZ-212-SS		1342	14.55	17.96	144.75	144.60	
PZ-305-AI		1513	31.29	29.07	39.98	40.18	Also labeled as LR-104-AI.
S-5		1149	37.48	35.76	44.32	44.34	
S-84	5/27/14	1041	28.78	26.34	32.96	33.30	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Matt Stewart & Ward Herst

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	9/22/14	0922	37.37	39.84	107.71	107.86	
D-85		0906	26.57	29.01	77.26	77.28	
I-4		0925	35.28	37.79	78.27	56.62	Double Checked
I-68		1319	19.92	22.26	40.44	40.45	
I-73		1017	31.52	32.93	51.08	49.90	well has been extended
LR-103		1125	39.70	41.18	49.87	49.75	
LR-104		1012	28.45	30.79	65.00	64.83	Also labeled PZ-305.
MW-1204		1251	23.35	23.69	222.66	171.43 (Top of Pump)	No pump
PZ-100-KS		1401	24.21	24.52	381.31	381.31	
PZ-100-SD		1358	34.48	35.54	96.48 (Top of Pump)	96.25 (Top of Pump)	
PZ-100-SS		1359	31.34	32.29	89.31 (Top of Pump)	89.36 (Top of Pump)	
PZ-101-SS		1142	50.26	54.26	155.64	155.69	
PZ-102-SS		1147	21.88	23.49	91.25	91.30	
PZ-102R-SS		1149	21.79	23.38	90.91	90.91	
PZ-103-SS		1153	9.38	6.07	149.62	149.63	
PZ-104-KS		1229	17.67	18.09	409.27	409.26	
PZ-104-SD		1225	22.90	21.85	120.59 (Top of Pump)	120.50 (Top of Pump)	
PZ-104-SS		1226	20.32	9.52	140.29 (Top of Pump)	140.53 (Top of Pump)	
PZ-105-SS		1246	25.96	24.91	144.81 (Top of Pump)	144.82 (Top of Pump)	
PZ-106-KS		1302	3.60	3.71	374.95	374.98	
PZ-106-SD		1308	12.74	11.40	196.08 (Top of Pump)	196.11 (Top of Pump)	
PZ-106-SS		1310	12.17	10.58	161.38 (Top of Pump)	161.15 (Top of Pump)	
PZ-107-SS		1132	33.16	35.67	103.79	103.80	
PZ-109-SS		0958	30.50	34.14	137.53 ~~(Top of Pump)~~	130.88 (Top of Pump)	
PZ-110-SS		0954	30.82	33.11	106.98	106.90 (Top of Pump)	
PZ-111-KS		0947	8.12	8.29	374.58	374.57	
PZ-111-SD		0944	35.66	38.42	196.70 (Top of Pump)	196.48 (Top of Pump)	
PZ-112-AS		0941	31.70	34.15	38.40	38.59	
PZ-113-AD	9/22/14	0917	30.91	33.38	110.04	109.92	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Matt Stewart & Ward Herst

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-113-AS	9/22/14	0919	30.80	33.30	39.25	39.28	
PZ-113-SS		0915	31.02	33.56	160.21	160.21	
PZ-114-AS		1325	20.51	22.83	26.31 (Top of Pump)	26.20 (Top of Pump)	
PZ-115-SS		1324	16.91	17.33	81.06 (Top of Pump)	81.02 (Top of Pump)	
PZ-116-SS		1254	22.84	23.24	149.58 (Top of Pump)	149.60 (Top of Pump)	
PZ-200-SS		1347	23.99	25.15	99.51	99.28	Labeled as GMP-7.
PZ-201A-SS		1351	9.66	9.02	86.20 (Top of Pump)	86.08 (Top of Pump)	
PZ-202-SS		1204	12.77	12.84	85.13 (Top of Pump)	85.12 (Top of Pump)	
PZ-203-SS		1243	26.71	25.57	111.35	111.10	
PZ-204-SS		1415	9.08	9.44	88.00	88.00	
PZ-204A-SS		1414	5.67	4.90	84.38	84.40	
PZ-205-AS		1022	45.06	28.81	54.29	49.05	Gas pressure blew J-plug off. strong gas odor. Extended
PZ-205-SS		1024	30.10	27.15	105.18	93.01	Extended
PZ-206-SS		1004	32.11	29.19	131.70	126.63	Extended
PZ-207-AS		0910	31.73	34.19	38.98	39.14	
PZ-208-SS		1110	21.88	21.18	100.36	100.35	
PZ-209-SD		1157	24.77	24.73	252.99 (Top of Pump)	253.05	
PZ-209-SS		1200	22.56	23.15	152.69 (Top of Pump)	152.70	
PZ-210-SD		1235	28.31	27.16	249.06 (Top of Pump)	250.13	soft bottom
PZ-210-SS		1239	27.10	26.20	150.38 (Top of Pump)	150.39	
PZ-211-SD		1217	23.55	23.26	249.79 (Top of Pump)	249.82	soft bottom
PZ-211-SS		1220	21.03	21.55	150.00 (Top of Pump)	149.99	
PZ-212-SD		1209	15.68	15.51	238.87	239.60	
PZ-212-SS		1212	14.31	14.55	144.30	144.75	
PZ-305-AI		1010	obstructed	31.29	obstructed	39.98	obstructed @ 50+ft. Also labeled as LR-104-AI.
S-5		0927	35.52	37.48	44.23	44.32	
S-84	9/22/14	0905	26.35	28.78	32.91	32.96	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Matt Stewart & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	11/18/2014	0947	36.92	37.37	107.74	107.71	
D-85		1307	26.09	26.57	77.19	77.26	
I-4		0949	34.86	35.28	78.29	78.27	
I-68		1429	19.39	19.92	40.43	40.44	
I-73		1349	30.79	31.52	50.78	51.08	
LR-103		1419	39.33	39.70	49.73	49.87	
LR-104		1413	32.32	28.45	69.34	65.00	Also labeled PZ-305.
MW-1204		1159	21.85	23.35	222.62	222.66	
PZ-100-KS		1249	24.11	24.21	381.32	381.31	
PZ-100-SD		1254	33.93	34.48	96.48 (Top of Pump)	96.48 (Top of Pump)	
PZ-100-SS		1256	30.97	31.34	89.30 (Top of Pump)	89.31 (Top of Pump)	
PZ-101-SS		1002	49.48	50.26	155.65	155.64	
PZ-102-SS		1009	21.57	21.88	91.26	91.25	
PZ-102R-SS		1011	21.45	21.79	90.94	90.91	
PZ-103-SS		1016	10.59	9.38	149.63	149.62	
PZ-104-KS		1129	17.62	17.67	93.01 (Top of Pump)	93.21 (Top of Pump)	
PZ-104-SD		1131	22.56	22.90	120.32 (Top of Pump)	120.59 (Top of Pump)	
PZ-104-SS		1133	20.44	20.32	140.29 (Top of Pump)	140.29 (Top of Pump)	
PZ-105-SS		1151	25.67	25.96	144.80 (Top of Pump)	144.81 (Top of Pump)	
PZ-106-KS		1207	3.40	3.60	374.96	374.95	
PZ-106-SD		1212	12.85	12.74	196.12 (Top of Pump)	196.08 (Top of Pump)	
PZ-106-SS		1214	12.22	12.17	161.45 (Top of Pump)	161.38 (Top of Pump)	
PZ-107-SS		1406	32.86	33.16	103.76	103.79	
PZ-109-SS		1334	32.01	30.50	139.19	137.53	
PZ-110-SS		1330	30.33	30.82	106.97 (Top of Pump)	106.98 (Top of Pump)	
PZ-111-KS		1318	7.85	8.12	374.59	374.58	TD: 374.59
PZ-111-SD		1324	34.89	35.66	196.54 (Top of Pump)	196.70 (Top of Pump)	
PZ-112-AS		0957	31.32	31.70	39.40	38.40	
PZ-113-AD	11/18/2014	0939	30.50	30.91	109.92	110.04	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Matt Stewart & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-113-AS	11/18/2014	0930	30.40	30.80	39.25	39.25	
PZ-113-SS		0941	30.65	31.02	160.21	160.21	
PZ-114-AS		1441	19.97	20.51	26.29 (Top of Pump)	26.31 (Top of Pump)	
PZ-115-SS		1440	16.59	16.91	81.06 (Top of Pump)	81.06 (Top of Pump)	
PZ-116-SS		1156	22.17	22.84	149.59 (Top of Pump)	149.58 (Top of Pump)	
PZ-200-SS		1243	23.35	23.99	99.51	99.51	Labeled as GMP-7.
PZ-201A-SS		1238	10.50	9.66	86.11 (Top of Pump)	86.20 (Top of Pump)	
PZ-202-SS		1104	12.76	12.77	85.21 (Top of Pump)	85.13 (Top of Pump)	
PZ-203-SS		1143	26.39	26.71	111.36	111.35	
PZ-204-SS		1224	9.57	9.08	88.00	88.00	
PZ-204A-SS		1222	5.53	5.67	84.24	84.38	
PZ-205-AS		1356	32.39	45.06	54.04	54.29	
PZ-205-SS		1354	29.41	30.10	104.37	105.18	
PZ-206-SS		1343	29.89	32.11	129.95	131.70	
PZ-207-AS		1312	31.25	31.73	38.99	38.98	
PZ-208-SS		1303	20.71	21.88	100.36	100.36	
PZ-209-SD		1021	24.68	24.77	101.42 (Top of Pump)	101.44 (Top of Pump)	
PZ-209-SS		1023	22.56	22.56	99.89 (Top of Pump)	99.91 (Top of Pump)	
PZ-210-SD		1138	28.02	28.31	101.81 (Top of Pump)	101.82 (Top of Pump)	
PZ-210-SS		1139	27.02	27.10	101.46 (Top of Pump)	101.50 (Top of Pump)	
PZ-211-SD		1110	23.32	23.55	99.40 (Top of Pump)	99.40 (Top of Pump)	
PZ-211-SS		1111	21.05	21.03	98.14 (Top of Pump)	98.16 (Top of Pump)	
PZ-212-SD		1028	15.63	15.68	238.80	238.87	
PZ-212-SS		1031	14.43	14.31	144.14	144.30	
PZ-305-AI		1412	31.98	Obstructed	43.70	Obstructed	Also labeled as LR-104-AI.
S-5		0951	34.91	35.52	44.22	44.23	
S-84	11/18/2014	1308	25.86	26.35	32.87	32.91	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: John Regan & Matt Stewart

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	2/2/15	0956	38.32	36.92	107.75	107.74	
D-85		1226	27.36	26.09	77.15	77.19	
I-4		0958	36.28	34.86	78.35	78.29	
I-68		1230	20.59	19.39	40.44	40.43	
I-73		1351	32.26	30.79	50.77	50.78	
LR-103		1403	40.87	39.33	49.83	49.73	
LR-104		1358	33.90	32.32	69.36	69.34	~~Also labeled PZ-305.~~
MW-1204		1313	21.00	21.85	222.60	222.62	
PZ-100-KS		1208	23.91	24.11	381.33	381.32	
PZ-100-SD		1213	33.70	33.93	96.43 (Top of Pump)	96.48 (Top of Pump)	
PZ-100-SS		1215	30.54	30.97	89.36 (Top of Pump)	89.30 (Top of Pump)	
PZ-101-SS		1016	46.50	49.48	155.23	155.65	
PZ-102-SS		1023	21.22	21.57	91.27	91.26	
PZ-102R-SS		1021	20.72	21.45	90.91	90.94	
PZ-103-SS		1251	10.63	10.59	149.65	149.63	
PZ-104-KS		1059	17.51	17.62	93.00 (Top of Pump)	93.01 (Top of Pump)	
PZ-104-SD		1100	22.07	22.56	120.53 (Top of Pump)	120.32 (Top of Pump)	
PZ-104-SS		1102	20.01	20.44	140.51 (Top of Pump)	140.29 (Top of Pump)	
PZ-105-SS		1303	24.70	25.67	144.84 (Top of Pump)	144.80 (Top of Pump)	
PZ-106-KS		1329	3.19	3.40	374.97	374.96	
PZ-106-SD		1324	11.53	12.85	202.70 ~~(Top of Pump)~~	196.12 ~~(Top of Pump)~~	
PZ-106-SS		1322	10.83	12.22	166.65 ~~(Top of Pump)~~	161.45 (Top of Pump)	
PZ-107-SS		1339	34.45	32.86	103.88	103.76	
PZ-109-SS		1419	32.40	32.01	130.78	139.19	top of pump
PZ-110-SS		1414	31.76	30.33	106.96 (Top of Pump)	106.97 (Top of Pump)	
PZ-111-KS		1434	7.67	7.85	374.59	374.59	
PZ-111-SD		1430	35.97	34.89	196.64 (Top of Pump)	196.54 (Top of Pump)	
PZ-112-AS		1011	32.72	31.32	38.38	38.40	
PZ-113-AD	2/2/15	0949	31.91	30.50	109.90	109.92	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: John Regan & Matt Stewart

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-113-AS	2/2/15	0950	31.84	30.40	39.26	39.25	
PZ-113-SS		0947	32.15	30.65	160.22	160.21	
PZ-114-AS		1235	21.10	19.97	28.20 (Top of Pump)	26.29 (Top of Pump)	
PZ-115-SS		1234	16.68	16.59	81.08 (Top of Pump)	81.06 (Top of Pump)	
PZ-116-SS		1310	20.72	22.17	149.87 (Top of Pump)	149.59 (Top of Pump)	
PZ-200-SS		1201	22.85	23.35	99.51	99.51	Labeled as GMP-7.
PZ-201A-SS		1155	10.42	10.50	86.37 (Top of Pump)	86.11 (Top of Pump)	
PZ-202-SS		1039	12.50	12.76	84.97 (Top of Pump)	85.21 (Top of Pump)	
PZ-203-SS		1257	23.58	26.39	111.35	111.36	
PZ-204-SS		1458	7.19	9.57	88.01	88.00	
PZ-204A-SS		1456	5.08	5.53	84.27	84.24	
PZ-205-AS		1345	33.25	32.39	54.08	54.04	
PZ-205-SS		1346	30.72	29.41	92.96	104.37	top of pump
PZ-206-SS		1425	30.93	29.89	129.83	129.85	
PZ-207-AS		1244	32.61	31.25	39.04	38.99	
PZ-208-SS		1220	20.53	20.71	100.36	100.36	
PZ-209-SD		1045	24.30	24.68	101.35 (Top of Pump)	101.42 (Top of Pump)	
PZ-209-SS		1047	22.42	22.56	99.88 (Top of Pump)	99.89 (Top of Pump)	
PZ-210-SD		1110	27.16	28.02	101.70 (Top of Pump)	101.81 (Top of Pump)	
PZ-210-SS		1108	26.40	27.02	101.45 (Top of Pump)	101.46 (Top of Pump)	
PZ-211-SD		1052	22.59	23.32	99.40 (Top of Pump)	99.40 (Top of Pump)	
PZ-211-SS		1054	20.85	21.05	98.11 (Top of Pump)	98.14 (Top of Pump)	
PZ-212-SD		1031	15.39	15.63	92.83 (Top of Pump)	92.76 (Top of Pump)	
PZ-212-SS		1033	11.38	14.43	93.96 (Top of Pump)	93.79 (Top of Pump)	Double Checked
PZ-305-AI		1357	33.57	31.98	43.70	43.70	~~Also labeled as LR-104-AI~~
S-5		1001	36.12	34.91	44.25	44.22	
S-84	2/2/15	1225	27.13	25.86	32.90	32.87	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Matt Stewart & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	5/12/2015	1015	38.06	38.32	107.74	107.75	
D-85		1025	27.14	27.36	77.15	77.15	
I-4		1017	35.96	36.28	78.31	78.35	
I-68		1029	20.36	20.59	40.45	40.44	
I-73		~~1425~~ 1426	31.85	32.26	50.78	50.77	
LR-103		1419	40.50	40.87	49.86	49.83	
LR-104		1425	33.55	33.90	69.33	69.36	
MW-1204		1225	19.94	21.00	222.51	222.60	
PZ-100-KS		1053	23.44	23.91	381.33	381.33	
PZ-100-SD		1049	32.18	33.70	96.19 (Top of Pump)	96.43 (Top of Pump)	
PZ-100-SS		1051	29.53	30.54	89.28 (Top of Pump)	89.36 (Top of Pump)	
PZ-101-SS		1123	41.91	46.50	155.21	155.23	
PZ-102-SS		1115	20.64	21.22	91.27	91.27	
PZ-102R-SS		1117	20.90	20.72	90.93	90.91	
PZ-103-SS		1127	10.80	10.63	149.61	149.65	
PZ-104-KS		1202	16.87	17.51	93.24 (Top of Pump)	93.00 (Top of Pump)	
PZ-104-SD		1204	21.19	22.02	120.57 (Top of Pump)	120.53 (Top of Pump)	
PZ-104-SS		1205	19.58	20.01	140.26 (Top of Pump)	140.51 (Top of Pump)	
PZ-105-SS		1219	23.84	24.70	144.79 (Top of Pump)	144.84 (Top of Pump)	
PZ-106-KS		1241	2.74	3.19	374.94	374.97	
PZ-106-SD		1238	12.90	11.53	196.48 (Top of Pump)	196.12 (Top of Pump)	
PZ-106-SS		1235	12.28	10.83	161.61 (Top of Pump)	161.45 (Top of Pump)	
PZ-107-SS		1436	34.09	34.45	103.85	103.86	
PZ-109-SS		1355	28.69	32.40	131.00	130.78 (Top of Pump)	TD is top of pump
PZ-110-SS		1352	31.38	31.76	106.98 (Top of Pump)	106.96 (Top of Pump)	
PZ-111-KS		1341	7.28	7.67	374.60	374.59	
PZ-111-SD		1333	36.12	35.97	196.64 (Top of Pump)	196.64 (Top of Pump)	
PZ-112-AS		1002	32.43	32.72	38.36	38.38	
PZ-113-AD	5/12/2015	1008	31.63	31.91	110.11	109.90	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Matt Stewart & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-113-AS	5/12/2015 ~~1009~~ (TD)	1009	31.55	31.84	39.25	39.26	
PZ-113-SS		1006	31.80	32.15	160.21	160.22	
PZ-114-AS		1035	20.77	21.10	26.28 (Top of Pump)	26.20 (Top of Pump)	
PZ-115-SS		1034	14.60	16.68	81.03 (Top of Pump)	81.08 (Top of Pump)	
PZ-116-SS		1228	19.26	20.72	149.84 (Top of Pump)	149.87 (Top of Pump)	
PZ-200-SS		1040	21.99	22.85	99.51	99.51	Labeled as GMP-7.
PZ-201A-SS		1044	10.12	10.42	86.18 (Top of Pump)	86.37 (Top of Pump)	
PZ-202-SS		1150	12.00	12.50	85.19 (Top of Pump)	84.97 (Top of Pump)	
PZ-203-SS		1215	25.01	25.58	111.33	111.35	
PZ-204-SS		1444	6.00	7.19	87.98	88.01	
PZ-204A-SS		1443	5.09	5.08	84.28	84.27	
PZ-205-AS		1432	33.19	33.25	54.03	54.08	
PZ-205-SS		1431	31.20	30.72	92.93	92.96 (Top of Pump)	TD is top of pump
PZ-206-SS		1400	30.48	30.93	129.77	129.83	
PZ-207-AS		1108	32.37	32.61	39.13	39.04	
PZ-208-SS		1102	20.17	20.53	100.35	100.36	
PZ-209-SD		1132	23.70	24.30	101.41 (Top of Pump)	101.35 (Top of Pump)	
PZ-209-SS		1133	21.96	22.42	99.91 (Top of Pump)	99.88 (Top of Pump)	
PZ-210-SD		1210	26.32	27.16	101.71 (Top of Pump)	101.70 (Top of Pump)	
PZ-210-SS		1212	25.67	26.40	101.45 (Top of Pump)	101.45 (Top of Pump)	
PZ-211-SD		1157	22.20	22.79	99.40 (Top of Pump)	99.40 (Top of Pump)	
PZ-211-SS		1158	20.35	20.85	98.13 (Top of Pump)	98.11 (Top of Pump)	
PZ-212-SD		1141	14.63	15.39	92.83 (Top of Pump)	92.83 (Top of Pump)	
PZ-212-SS		1143	13.38	11.38	93.88 (Top of Pump)	93.76 (Top of Pump)	
PZ-305-AI		1424	35.26	33.57	43.70	43.70	
S-5		1020	35.55	36.12	44.24	44.25	
S-84	5/12/2015	1026	26.92	27.13	32.90	32.90	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Ward Herst & John Regan

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	8/18/15	1052	32.79	38.06	107.88	107.74	
D-85	8/18/15	1022	21.22	27.14	77.19	77.15	
I-4	8/18/15	1048	30.61	35.96	36.46	78.31	Hard bottom
I-68	8/18/15	1018	14.29	20.36	40.47	40.45	
I-73	8/18/15	1134	27.45	31.85	50.82	50.78	
LR-103	8/18/15	1119	35.90	40.50	49.90	49.86	
LR-104	8/18/15	1128	28.95	33.55	69.33	69.33	
MW-1204	8/17/15	1138	16.48	19.94	223.98	222.51	
PZ-100-KS	8/18/15	0951	22.22	23.44	381.34	381.33	381.34
PZ-100-SD	8/18/15	0948	28.90	32.18	96.19 (Top of Pump)	96.19 (Top of Pump)	
PZ-100-SS	8/18/15	0946	27.70	29.53	89.40 (Top of Pump)	89.28 (Top of Pump)	89.40
PZ-101-SS	8/18/15	1219	36.64	41.91	155.65	155.21	
PZ-102-SS	8/18/15	1211	18.43	20.64	91.25	91.27	
PZ-102R-SS	8/18/15	1214	18.20	20.90	91.02	90.93	
PZ-103-SS	8/17/15	1220	9.48	10.80	149.88	149.61	
PZ-104-KS	8/18/15	1156	15.72	16.87	93.27 (Top of Pump)	93.24 (Top of Pump)	
PZ-104-SD	8/17/15	1104	21.27	21.19	120.58 (Top of Pump)	120.57 (Top of Pump)	
PZ-104-SS	8/17/15	1102	18.51	19.58	140.61 (Top of Pump)	140.26 (Top of Pump)	
PZ-105-SS	8/17/15	1130	25.44	23.84	144.92 (Top of Pump)	144.79 (Top of Pump)	
PZ-106-KS	8/18/15	1146	1.58	2.74	374.97	374.94	
PZ-106-SD	8/17/15	1146	11.63	12.90	196.24 (Top of Pump)	196.48 (Top of Pump)	
PZ-106-SS	8/17/15	1144	10.85	12.28	161.53 (Top of Pump)	161.61 (Top of Pump)	
PZ-107-SS	8/17/15	1156	29.98	34.09	104.00	103.85	
PZ-109-SS	8/17/15	1208	20.64	28.69	129.81 (Top of Pump)	131.00 (Top of Pump)	
PZ-110-SS	8/17/15	1213	26.24	31.38	107.02 (Top of Pump)	106.98 (Top of Pump)	
PZ-111-KS	8/18/15	1110	6.14	7.28	374.59	374.60	
PZ-111-SD	8/18/15	1106	31.19	36.12	196.89 (Top of Pump)	196.64 (Top of Pump)	
PZ-112-AS	8/18/15	1059	27.29	32.43	38.34	38.36	
PZ-113-AD	8/18/15	1038	26.29	31.63	110.12	110.11	

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HERST & ASSOCIATES, INC.®

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Ward Herst & John Regan

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-113-AS	8/18/15	1037	26.24	31.55	39.25	39.25	
PZ-113-SS	8/18/15	1040	26.60	31.80	160.24	160.21	
PZ-114-AS	8/18/15	1011	14.52	20.77	26.29 (Top of Pump)	26.28 (Top of Pump)	
PZ-115-SS	8/18/15	1014	10.67	14.60	81.07 (Top of Pump)	81.03 (Top of Pump)	
PZ-116-SS	8/17/15	1135	17.65	19.26	149.89 (Top of Pump)	149.84 (Top of Pump)	
PZ-200-SS	8/18/15	0940	19.84	21.99	99.57	99.51	Labeled as GMP-7.
PZ-201A-SS	8/17/15	1245	7.89	10.12	86.22 (Top of Pump)	86.18 (Top of Pump)	
PZ-202-SS	8/17/15	1226	11.22	12.00	85.23 (Top of Pump)	85.19 (Top of Pump)	
PZ-203-SS	8/17/15	1123	25.99	25.01	111.36	111.33	
PZ-204-SS	8/17/15	1256	10.27	6.00	88.03	87.98	
PZ-204A-SS	8/18/15	0931	5.18	5.09	84.27	84.28	
PZ-205-AS	8/18/15	1141	29.33	33.19	54.05	54.03	
PZ-205-SS	8/18/15	1138	27.71	31.20	93.00 (Top of Pump)	92.93 (Top of Pump)	
PZ-206-SS	8/17/15	1203	25.85	30.48	130.01	129.77	
PZ-207-AS	8/18/15	1029	26.63	32.37	39.00	39.13	
PZ-208-SS	8/18/15	1001	18.93	20.17	100.36	100.35	
PZ-209-SD	8/17/15	1049	23.45	23.70	101.42 (Top of Pump)	101.41 (Top of Pump)	
PZ-209-SS	8/17/15	1046	21.16	21.96	100.00 (Top of Pump)	99.91 (Top of Pump)	
PZ-210-SD	8/17/15	1114	27.25	26.32	101.81 (Top of Pump)	101.71 (Top of Pump)	
PZ-210-SS	8/17/15	1110	25.97	25.67	101.53 (Top of Pump)	101.45 (Top of Pump)	
PZ-211-SD	8/17/15	1057	22.16	22.20	99.41 (Top of Pump)	99.40 (Top of Pump)	
PZ-211-SS	8/17/15	1055	19.60	20.35	98.18 (Top of Pump)	98.13 (Top of Pump)	
PZ-212-SD	8/18/15	1203	13.26	14.63	92.81 (Top of Pump)	92.83 (Top of Pump)	
PZ-212-SS	8/17/15	1038	11.22	13.38	94.00 (Top of Pump)	93.88 (Top of Pump)	
PZ-305-AI	8/18/15	1126	28.59	33.26	43.67	43.70	
S-5	8/18/15	1046	30.32	35.55	44.24	44.24	
S-84	8/18/15	1024	21.02	26.92	32.91	32.90	

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HERST & ASSOCIATES, INC.®

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Ward Herst & John Regan

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	8/18/15	1052	32.79	38.06	107.88	107.74	
D-85	8/18/15	1022	21.22	27.14	77.19	77.15	
I-4	8/18/15	1048	30.61	35.96	36.46	78.31	Hard bottom
I-68	8/18/15	1018	14.29	20.36	40.47	40.45	
I-73	8/18/15	1134	27.45	31.85	50.82	50.78	
LR-103	8/18/15	1119	35.90	40.50	49.90	49.86	
LR-104	8/18/15	1128	28.95	33.55	69.33	69.33	
MW-1204	8/17/15	1138	16.48	19.94	223.98	222.51	
PZ-100-KS	8/18/15	0951	22.22	23.44	381.34	381.33	381.34
PZ-100-SD	8/18/15	0948	28.90	32.18	96.19 (Top of Pump)	96.19 (Top of Pump)	
PZ-100-SS	8/18/15	0946	27.70	29.53	89.40 (Top of Pump)	89.28 (Top of Pump)	89.40
PZ-101-SS	8/18/15	1219	36.64	41.91	155.65	155.21	
PZ-102-SS	8/18/15	1211	18.43	20.64	91.25	91.27	
PZ-102R-SS	8/18/15	1214	18.20	20.90	91.02	90.93	
PZ-103-SS	8/17/15	1220	9.48	10.80	149.88	149.61	
PZ-104-KS	8/18/15	1156	15.72	16.87	93.27 (Top of Pump)	93.24 (Top of Pump)	
PZ-104-SD	8/17/15	1104	21.27	21.19	120.58 (Top of Pump)	120.57 (Top of Pump)	
PZ-104-SS	8/17/15	1102	18.51	19.58	140.61 (Top of Pump)	140.26 (Top of Pump)	
PZ-105-SS	8/17/15	1130	25.44	23.84	144.92 (Top of Pump)	144.79 (Top of Pump)	
PZ-106-KS	8/18/15	1146	1.58	2.74	374.97	374.94	
PZ-106-SD	8/17/15	1146	11.63	12.90	196.24 (Top of Pump)	196.48 (Top of Pump)	
PZ-106-SS	8/17/15	1144	10.85	12.28	161.53 (Top of Pump)	161.61 (Top of Pump)	
PZ-107-SS	8/17/15	1156	29.98	34.09	104.00	103.85	
PZ-109-SS	8/17/15	1208	20.64	28.69	129.81 (Top of Pump)	131.00 (Top of Pump)	
PZ-110-SS	8/17/15	1213	26.24	31.38	107.02 (Top of Pump)	106.98 (Top of Pump)	
PZ-111-KS	8/18/15	1110	6.14	7.28	374.59	374.60	
PZ-111-SD	8/18/15	1106	31.19	36.12	196.89 (Top of Pump)	196.64 (Top of Pump)	
PZ-112-AS	8/18/15	1059	27.29	32.43	38.34	38.36	
PZ-113-AD	8/18/15	1038	26.29	31.63	110.12	110.11	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Ward Herst & John Regan

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-113-AS	8/18/15	1037	26.24	31.55	39.25	39.25	
PZ-113-SS	8/18/15	1040	26.60	31.80	160.24	160.21	
PZ-114-AS	8/18/15	1011	14.52	20.77	26.29 (Top of Pump)	26.28 (Top of Pump)	
PZ-115-SS	8/18/15	1014	10.67	14.60	81.07 (Top of Pump)	81.03 (Top of Pump)	
PZ-116-SS	8/17/15	1135	17.65	19.26	149.89 (Top of Pump)	149.84 (Top of Pump)	
PZ-200-SS	8/18/15	0940	19.84	21.99	99.57	99.51	Labeled as GMP-7.
PZ-201A-SS	8/17/15	1245	7.89	10.12	86.22 (Top of Pump)	86.18 (Top of Pump)	
PZ-202-SS	8/17/15	1226	11.22	12.00	85.23 (Top of Pump)	85.19 (Top of Pump)	
PZ-203-SS	8/17/15	1123	25.99	25.01	111.36	111.33	
PZ-204-SS	8/17/15	1256	10.27	6.00	88.03	87.98	
PZ-204A-SS	8/18/15	0931	5.18	5.09	84.27	84.28	
PZ-205-AS	8/18/15	1141	29.33	33.19	54.05	54.03	
PZ-205-SS	8/18/15	1138	27.71	31.20	93.00 (Top of Pump)	92.93 (Top of Pump)	
PZ-206-SS	8/17/15	1203	25.85	30.48	130.01	129.77	
PZ-207-AS	8/18/15	1029	26.63	32.37	39.00	39.13	
PZ-208-SS	8/18/15	1001	18.93	20.17	100.36	100.35	
PZ-209-SD	8/17/15	1049	23.45	23.70	101.42 (Top of Pump)	101.41 (Top of Pump)	
PZ-209-SS	8/17/15	1046	21.16	21.96	100.00 (Top of Pump)	99.91 (Top of Pump)	
PZ-210-SD	8/17/15	1114	27.25	26.32	101.81 (Top of Pump)	101.71 (Top of Pump)	
PZ-210-SS	8/17/15	1110	25.97	25.67	101.53 (Top of Pump)	101.45 (Top of Pump)	
PZ-211-SD	8/17/15	1057	22.16	22.20	99.41 (Top of Pump)	99.40 (Top of Pump)	
PZ-211-SS	8/17/15	1055	19.60	20.35	98.18 (Top of Pump)	98.13 (Top of Pump)	
PZ-212-SD	8/18/15	1203	13.26	14.63	92.81 (Top of Pump)	92.83 (Top of Pump)	
PZ-212-SS	8/17/15	1038	11.22	13.38	94.00 (Top of Pump)	93.88 (Top of Pump)	
PZ-305-AI	8/18/15	1126	28.59	33.26	43.67	43.70	
S-5	8/18/15	1046	30.32	35.55	44.24	44.24	
S-84	8/18/15	1024	21.02	26.92	32.91	32.90	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: W. Herst J. Wilkinson-Feezor

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-85	11/16/15	1056	25.83	21.22	77.17	77.19	
I-68		0920	19.03	14.29	40.47	40.47	
I-73		1444	30.76	27.45	50.54	50.82	
LR-103		1436	39.29	35.90	49.80	49.90	
LR-104		1430	32.35	28.95	69.33	69.33	
MW-1204		1536	16.39	16.48	222.52	223.98	
PZ-100-KS		0946	23.77	22.22	381.32	381.34	
PZ-100-SD		0957	30.59	28.90	96.21 (Top of Pump)	96.19 (Top of Pump)	
PZ-100-SS		0959	28.56	27.70	89.37 (Top of Pump)	89.40 (Top of Pump)	
PZ-101-SS		1137	37.88	36.64	155.63	155.65	
PZ-102-SS		1149	19.88	18.43	91.25	91.25	
PZ-102R-SS		1145	19.80	18.20	91.15	91.02	
PZ-103-SS		1157	11.57	9.48	149.62	149.88	
PZ-104-KS		1617	17.24	15.72	93.30 (Top of Pump)	93.27 (Top of Pump)	
PZ-104-SD		1612	21.62	21.27	120.63 (Top of Pump)	120.52 (Top of Pump)	
PZ-104-SS		1608	20.33	18.51	140.25 (Top of Pump)	140.61 (Top of Pump)	
PZ-105-SS		1544	25.15	25.44	144.85 (Top of Pump)	144.92 (Top of Pump)	
PZ-106-KS		1520	3.02	1.58	375.00	374.97	
PZ-106-SD		1508	13.21	11.63	196.23 (Top of Pump)	196.24 (Top of Pump)	
PZ-106-SS		1515	12.49	10.85	161.39 (Top of Pump)	161.53 (Top of Pump)	
PZ-107-SS		1500	32.98	29.98	103.78	104.00	
PZ-109-SS		1413	25.43	20.64	131.00 (Top of Pump)	129.81 (Top of Pump)	
PZ-110-SS		1406	29.93	26.24	107.21 (Top of Pump)	107.02 (Top of Pump)	
PZ-111-KS		1341	7.45	6.14	374.60	374.59	
PZ-111-SD		1358	34.51	31.19	197.08 (Top of Pump)	196.89 (Top of Pump)	
PZ-112-AS		1128	31.22	27.29	38.37	38.34	
PZ-113-AD		1115	30.33	26.29	110.11	110.12	
PZ-113-AS		1112	30.25	26.24	39.01	39.25	
PZ-113-SS		1118	30.56	26.60	160.21	160.24	

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: W. Herst J. Wilkinson-Feezor

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-114-AS	11/16/15	0913	19.52	14.52	26.11 (Top of Pump)	26.29 (Top of Pump)	
PZ-115-SS		0910	15.28	10.67	81.03 (Top of Pump)	81.07 (Top of Pump)	
PZ-116-SS		1529	17.69	17.65	149.65 (Top of Pump)	149.89 (Top of Pump)	
PZ-200-SS		0938	20.41	19.84	99.49	99.57	Labeled as GMP-7.
PZ-201A-SS		0925	10.14	7.89	86.20 (Top of Pump)	86.22 (Top of Pump)	
PZ-202-SS		1209	12.55	11.22	85.24 (Top of Pump)	85.23 (Top of Pump)	
PZ-203-SS		1552	25.61	25.99	111.37	111.36	
PZ-204-SS		1031	7.15	10.27	88.00	88.03	
PZ-204A-SS		1027	5.12	5.18	84.38	84.27	
PZ-205-AS		1454	29.22	29.33	54.07	54.05	
PZ-205-SS		1449	30.90	27.71	92.94 (Top of Pump)	93.00 (Top of Pump)	
PZ-206-SS		1420	29.18	25.85	129.80	130.01	
PZ-207-AS		1103	31.05	26.63	38.95	39.00	
PZ-208-SS		1045	19.72	18.93	100.36	100.36	
PZ-209-SD		1213	24.35	23.45	101.40 (Top of Pump)	101.42 (Top of Pump)	
PZ-209-SS		1219	22.56	21.16	99.90 (Top of Pump)	100.00 (Top of Pump)	
PZ-210-SD		1558	27.16	27.25	101.79 (Top of Pump)	101.81 (Top of Pump)	
PZ-210-SS		1602	26.45	25.97	101.44 (Top of Pump)	101.53 (Top of Pump)	
PZ-211-SD		1225	22.97	22.16	99.35 (Top of Pump)	99.41 (Top of Pump)	
PZ-211-SS		1229	21.13	19.60	98.14 (Top of Pump)	98.18 (Top of Pump)	
PZ-212-SD		1010	15.43	13.26	92.62 (Top of Pump)	92.81 (Top of Pump)	
PZ-212-SS		1014	12.94	11.22	93.88 (Top of Pump)	94.00 (Top of Pump)	
PZ-305-AI		1428	31.84	28.59	43.70	43.67	
S-84		~~1056~~ 1052	25.57	21.02	32.89	32.91	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-85	2/29/2016	0816	23.05	25.83	77.08	77.17	
I-68		0825	16.20	19.03	40.45	40.47	
I-73		1059	28.59	30.76	50.79	50.54	
LR-103		1053	37.11	39.29	49.79	49.80	
LR-104		1045	30.20	32.35	69.32	69.33	
MW-1204		1433	14.40	16.39	222.60	222.52	
PZ-100-KS		0841	22.90	23.77	381.95	381.32	
PZ-100-SD		0850	30.11	30.59	96.20 (Top of Pump)	96.21 (Top of Pump)	
PZ-100-SS		0852	28.52	28.56	89.08 (Top of Pump)	89.37 (Top of Pump)	
PZ-101-SS		1307	36.50	37.88	155.11	155.63	
PZ-102-SS		1317	20.09	19.88	91.25	91.25	
PZ-102R-SS		1314	19.17	19.80	91.14	91.15	
PZ-103-SS		1323	11.45	11.57	149.63	149.62	
PZ-104-KS		1355	16.47	17.24	93.25 (Top of Pump)	93.30 (Top of Pump)	
PZ-104-SD		1358	21.11	21.62	120.60 (Top of Pump)	120.63 (Top of Pump)	
PZ-104-SS		1402	19.65	20.33	140.27 (Top of Pump)	140.25 (Top of Pump)	
PZ-105-SS		1422	24.36	25.15	144.79 (Top of Pump)	144.85 (Top of Pump)	
PZ-106-KS		1121	2.20	3.02	375.01	375.00	
PZ-106-SD		1129	12.95	13.21	196.25 (Top of Pump)	196.23 (Top of Pump)	
PZ-106-SS		1135	12.82	12.49	161.57 (Top of Pump)	161.39 (Top of Pump)	
PZ-107-SS		1114	30.97	32.98	103.78	103.78	
PZ-109-SS		1032	21.91	25.43	130.94 (Top of Pump)	131.00 (Top of Pump)	
PZ-110-SS		1027	27.59	29.93	107.23 (Top of Pump)	107.21 (Top of Pump)	
PZ-111-KS		1013	6.76	7.45	374.51	374.60	
PZ-111-SD		1019	32.20	34.51	197.08 (Top of Pump)	197.08 (Top of Pump)	
PZ-112-AS		1006	28.75	31.22	38.33	38.37	
PZ-113-AD		0959	27.90	30.33	110.08	110.11	
PZ-113-AS		1001	27.80	30.25	39.15	39.01	
PZ-113-SS	2/29/16	0955	28.12	30.56	160.75	160.21	

Feezor Engineering, Inc. • 3405 Hollenberg Drive • Bridgeton, Missouri 63044

FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-114-AS	2/29/2016	0831	16.58	19.52	26.10 (Top of Pump)	26.11 (Top of Pump)	
PZ-115-SS		0833	12.65	15.28	81.02 (Top of Pump)	81.03 (Top of Pump)	
PZ-116-SS		1430	15.90	17.69	149.85 (Top of Pump)	149.65 (Top of Pump)	
PZ-200-SS		0906	20.30	20.41	99.50	99.49	Labeled as GMP-7.
PZ-201A-SS		0900	9.69	10.14	86.21 (Top of Pump)	86.20 (Top of Pump)	
PZ-202-SS		1339	11.65	12.55	85.20 (Top of Pump)	85.24 (Top of Pump)	
PZ-203-SS		1416	24.98	25.61	111.11	111.37	
PZ-204-SS		1147	7.33	10.31	87.98	88.00	
PZ-204A-SS		1144	4.39	5.12	84.31	84.38	
PZ-205-AS		1108	29.09	29.22	54.10	54.07	
PZ-205-SS		1104	28.99	30.90	92.91 (Top of Pump)	92.94 (Top of Pump)	
PZ-206-SS		1038	27.10	29.18	129.79	129.80	
PZ-207-AS		1200	28.39	31.05	39.00	38.95	
PZ-208-SS		0913	19.25	19.72	100.34	100.36	
PZ-209-SD		1330	23.39	24.35	101.44 (Top of Pump)	101.40 (Top of Pump)	
PZ-209-SS		1333	21.59	22.56	99.89 (Top of Pump)	99.90 (Top of Pump)	
PZ-210-SD		1411	26.51	27.16	101.51 (Top of Pump)	101.79 (Top of Pump)	
PZ-210-SS		1408	25.60	26.45	102.45 (Top of Pump)	101.44 (Top of Pump)	
PZ-211-SD		1348	21.94	22.97	99.30 (Top of Pump)	99.35 (Top of Pump)	
PZ-211-SS		1346	20.04	21.13	98.09 (Top of Pump)	98.14 (Top of Pump)	
PZ-212-SD		1449	14.22	15.43	92.85 (Top of Pump)	92.62 (Top of Pump)	
PZ-212-SS		1452	9.21	12.94	93.89 (Top of Pump)	93.88 (Top of Pump)	
PZ-305-AI		1047	29.89	31.84	43.65	43.70	
S-84	2/29/2016	0813	22.81	25.57	32.89	32.89	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-81	5/31/2016	1134	17.64	20.34	62.54	62.75	Previous Event = Sept 2013
D-85		0813	23.09	23.05	77.20	77.08	
I-68		0825	16.48	16.20	40.47	40.45	
I-73		1340	28.69	28.59	50.79	50.79	
LR-100		1347	15.69	16.58	27.01	27.21	Previous Event = Sept 2013
LR-103		1402	37.10	37.11	49.84	49.79	
LR-104		ABANDONED					
LR-105		1354	30.46	31.39	37.91	37.96	Previous Event = Sept 2013
MW-104		1106	7.78	10.39	19.12	19.00	Previous Event = Sept 2013
MW-1204		1030	5.39	14.40	215.00	222.60	surface completion lowered between March 2106 & May 2016
PZ-100-KS		0845	22.65	22.90	384.65	381.95	Double checked TD measured TD 6/10/2016 @ 0842
PZ-100-SD		0842	31.00	30.11	96.19 (Top of Pump)	96.20 (Top of Pump)	
PZ-100-SS		0840	29.31	28.52	89.09 (Top of Pump)	89.08 (Top of Pump)	
PZ-101-SS		0915	37.06	36.50	155.10	155.11	
PZ-102-SS		0921	21.19	20.09	91.25	91.25	
PZ-102R-SS		0924	20.25	19.17	91.14	91.14	
PZ-103-SS		0928	11.52	11.45	149.65	149.63	
PZ-104-KS		1003	16.00	16.47	93.05 (Top of Pump)	93.25 (Top of Pump)	
PZ-104-SD		1001	20.43	21.11	120.64 (Top of Pump)	120.60 (Top of Pump)	
PZ-104-SS		0958	19.10	19.65	140.30 (Top of Pump)	140.27 (Top of Pump)	
PZ-105-SS		1021	23.81	24.36	144.90 (Top of Pump)	144.79 (Top of Pump)	
PZ-106-KS		1036	2.09	2.20	375.02	375.01	TD measured 6/10/2016 @ 1428
PZ-106-SD		1038	12.68	12.95	196.25 (Top of Pump)	196.25 (Top of Pump)	
PZ-106-SS		1041	12.14	12.32	161.40 (Top of Pump)	161.57 (Top of Pump)	
PZ-107-SS		1143	30.82	30.97	103.70	103.78	
PZ-109-SS		1329	22.42	21.91	131.04 (Top of Pump)	130.94 (Top of Pump)	
PZ-110-SS		1325	27.68	27.59	107.23 (Top of Pump)	107.23 (Top of Pump)	
PZ-111-KS		1318	6.67	6.76	374.59	374.51	TD measured 6/10/2016 @ 1416
PZ-111-SD	5/31/2016	1319	32.98	32.20	199.13 (Top of Pump)	197.08 (Top of Pump)	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-112-AS	5/31/2016	0910	28.83	28.75	38.38	38.33	
PZ-113-AD		1411	27.97	27.90	110.13	110.08	
PZ-113-AS		1414	27.90	27.80	39.25	39.15	
PZ-113-SS		1407	28.16	28.12	160.25	160.75	
PZ-114-AS		0830	16.78	16.58	26.20 (Top of Pump)	26.10 (Top of Pump)	
PZ-115-SS		0831	13.15	12.65	81.05 (Top of Pump)	81.02 (Top of Pump)	
PZ-116-SS		1027	6.19	15.90	142.74 (Top of Pump)	149.85 (Top of Pump)	surface completion lowered between March 2106 & May 2016
PZ-200-SS		0850	20.80	20.30	99.31	99.50	Labeled as GMP-7.
PZ-201A-SS		0855	9.61	9.69	86.10 (Top of Pump)	86.21 (Top of Pump)	
PZ-202-SS		0946	11.10	11.65	85.13 (Top of Pump)	85.20 (Top of Pump)	
PZ-203-SS		1015	24.49	24.98	111.34	111.11	
PZ-204-SS		1051	7.62	7.33	87.98	87.98	
PZ-204A-SS		1048	4.04	4.39	84.23	84.31	
PZ-205-AS		1151	30.24	29.09	54.03	54.10	
PZ-205-SS		1148	29.07	28.99	93.02 (Top of Pump)	92.91 (Top of Pump)	
PZ-206-SS		1335	27.14	27.10	129.82	129.79	
PZ-207-AS		1422	28.57	28.39	38.95	39.00	
PZ-208-SS		0903	19.40	19.25	100.35	100.34	
PZ-209-SD		0938	22.73	23.39	101.44 (Top of Pump)	101.44 (Top of Pump)	
PZ-209-SS		0941	20.90	21.59	99.70 (Top of Pump)	99.89 (Top of Pump)	
PZ-210-SD		1012	25.78	26.51	101.55 (Top of Pump)	101.51 (Top of Pump)	
PZ-210-SS		1009	24.86	25.60	101.51 (Top of Pump)	102.45 (Top of Pump)	
PZ-211-SD		0954	21.36	21.94	99.40 (Top of Pump)	99.30 (Top of Pump)	
PZ-211-SS		0952	~~13.66~~ 19.36	20.04	98.14 (Top of Pump)	98.09 (Top of Pump)	WL: 19.36
PZ-212-SD		1203	13.79	14.22	92.89 (Top of Pump)	92.85 (Top of Pump)	
PZ-212-SS		1200	8.74	9.21	93.92 (Top of Pump)	93.89 (Top of Pump)	
PZ-302-AI		1100	17.83	20.52	44.60	44.25	Previous Event = Sept 2013
PZ-302-AS		1058	17.58	20.56	24.51	24.54	Previous Event = Sept 2013
PZ-303-AS	5/31/2016	1116	21.03	23.08	28.31	28.29	Previous Event = Sept 2013

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-304-AI	5/31/2016	1125	20.76	23.48	51.99	52.20	Previous Event = Sept 2013
PZ-304-AS		1127	20.46	23.26	29.20	29.32	Previous Event = Sept 2013
PZ-305-AI		ABANDONED					
S-84	5/31/2016	0816	23.09	22.81	32.89	32.89	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	N/A	NA	NA	37.50	NA	107.86	Previous Event = Sept 2013
D-81	8/22/16	1136	18.25	17.64	62.53	62.54	
D-85	3	0813	23.85	23.09	77.19	77.20	
D-87	8/22/16	0842	31.67	44.05	114.61	112.75	Previous Event = Sept 2013
I-4	NA	NA	NA	35.39	NA	78.66	Previous Event = Sept 2013
I-68	8/22/16	0918	17.05	16.48	40.45	40.47	
I-73		1337	29.08	28.69	50.75	50.79	
LR-100		1332	15.76	15.69	26.99	27.01	
LR-103		1325	37.71	37.10	49.87	49.84	
MW-104		1142	8.35	7.78	19.15	19.12	
MW-1204		1059	7.55	5.39	215.19	215.00	
PZ-100-KS		1434	22.95	22.65	383.90	384.65	TD Measured @ 1005 on 9/7/16
PZ-100-SD		1435	31.51	31.00	96.19 (Top of Pump)	96.19 (Top of Pump)	top of pump = 96.19
PZ-100-SS		1438	29.14	29.31	89.13 (Top of Pump)	89.09 (Top of Pump)	
PZ-101-SS		0919	37.68	37.06	155.49	155.10	
PZ-102-SS		0924	20.82	21.19	91.25	91.25	
PZ-102R-SS		0928	20.64	20.25	91.10	91.14	
PZ-103-SS		0934	13.71	11.52	149.66	149.65	
PZ-104-KS		1013	16.24	16.00	93.09 (Top of Pump)	93.05 (Top of Pump)	
PZ-104-SD		1010	20.94	20.43	120.66 (Top of Pump)	120.64 (Top of Pump)	
PZ-104-SS		1006	19.49	19.10	140.35 (Top of Pump)	140.30 (Top of Pump)	
PZ-105-SS		1030	23.84	23.81	~~103.78~~ (Top of Pump)	~~144.90~~ (Top of Pump)	Remeasure TD = 144.83
PZ-106-KS		1058	2.15	2.09	374.99	375.02	TD Measured @ 1315 on 9/17/16
PZ-106-SD		1059	13.49	12.68	196.29 (Top of Pump)	196.25 (Top of Pump)	
PZ-106-SS		1104	12.85	12.14	161.42 (Top of Pump)	161.40 (Top of Pump)	
PZ-107-SS *		1036	23.84	30.82	103.70	103.70	~~top of pump~~ (TD)
PZ-109-SS		1412	24.97	22.42	130.99 (Top of Pump)	131.04 (Top of Pump)	
PZ-110-SS		1417	28.28	27.68	107.23 (Top of Pump)	107.23 (Top of Pump)	
PZ-111-KS	8/22/16	1422	6.85	6.67	374.50	374.59	TD Measured @ 1046 on 9/7/16

*135 (w/ 31.39 TD: 103.67 PZ-107-SS

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-111-SD	8/22/16	1423	33.03	32.98	198.83 (Top of Pump)	199.13 (Top of Pump)	
PZ-112-AS		0905	29.38	28.83	38.41	38.38	
PZ-113-AD		0855	28.55	27.97	110.11	110.13	
PZ-113-AS		0858	28.50	27.90	39.17	39.25	
PZ-113-SS		0852	28.75	28.16	160.21	160.25	
PZ-114-AS		0823	17.48	16.78	26.32 (Top of Pump)	26.20 (Top of Pump)	
PZ-115-SS		0824	14.29	13.15	81.04 (Top of Pump)	81.05 (Top of Pump)	
PZ-116-SS		1045	10.30	6.19	142.64 (Top of Pump)	142.85 (Top of Pump)	
PZ-200-SS		1443	20.69	20.80	99.30	99.31	Labeled as GMP-7.
PZ-201A-SS		1448	10.03	9.61	86.34 (Top of Pump)	86.10 (Top of Pump)	WL: 10.03
PZ-202-SS		0949	11.43	11.10	85.22 (Top of Pump)	85.13 (Top of Pump)	
PZ-203-SS		(DN) 1030	25.02	24.49	111.10	111.34	
PZ-204-SS		1114 1163	8.12	7.62	87.98	87.98	
PZ-204A-SS		1113	4.55	4.04	84.33	84.23	
PZ-205-AS		1342	29.06	30.24	53.88	54.03	
PZ-205-SS		1346	29.52	29.07	93.00 (Top of Pump)	93.02 (Top of Pump)	
PZ-206-SS		1407	27.94	27.14	129.74	129.82	
PZ-207-AS		0835	29.12	28.57	38.92	38.95	
PZ-208-SS		1455	19.64	19.40	100.38	100.35	
PZ-209-SD		0941	23.05	22.73	101.40 (Top of Pump)	101.44 (Top of Pump)	
PZ-209-SS		0943	21.14	20.90	99.88 (Top of Pump)	99.70 (Top of Pump)	
PZ-210-SD		1022	26.03	25.78	101.57 (Top of Pump)	101.55 (Top of Pump)	
PZ-210-SS		1019	25.12	24.86	101.50 (Top of Pump)	101.51 (Top of Pump)	
PZ-211-SD		0959	21.71	21.36	99.35 (Top of Pump)	99.40 (Top of Pump)	
PZ-211-SS		0956	19.57	19.36	98.15 (Top of Pump)	98.14 (Top of Pump)	
PZ-212-SD		1507	14.13	13.79	92.80 (Top of Pump)	92.89 (Top of Pump)	
PZ-212-SS		1509	10.72	8.74	93.76 (Top of Pump)	93.92 (Top of Pump)	
PZ-302-AI		1125	18.44	17.83	44.09	44.10	
PZ-302-AS	8/22/16	1123	18.46	17.58	24.51	24.51	no pump

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FEEZOR ENGINEERING, INC.

Engineering for a Better World

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-303-AS	8/22/16	1149	21.85	21.03	28.30	28.31	no pump present
PZ-304-AI	↑	1159	21.37	20.76	51.99	51.99	
PZ-304-AS	8/22/16	1157	21.09	20.46	29.21	29.20	
S-5	NA	NA	NA	35.76	NA	44.34	Previous Event = Sept 2013
S-53	8/22/16	1221	11.59	13.70	18.00	17.00	Previous Event = Sept 2013
S-84	8/22/16	0812	23.55	23.09	32.90	32.89	

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FEEZOR ENGINEERING, INC.

Engineering for a Better World

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	8/31/2016	0854	35.30	37.50	107.70	107.86	Previous Event = Sept 2013
D-85		0800	24.27	23.09	N/A	77.20	
D-87		0808	31.94	44.05	N/A	112.75	Previous Event = Sept 2013
I-4		0851	32.67	35.39	35.95*	78.66	Previous Event = Sept 2013
PZ-112-AS		0821	29.75	28.83	N/A	38.38	
PZ-113-AD		0815	28.85	27.97	N/A	110.13	
PZ-113-AS		0816	28.82	27.90	N/A	39.25	
PZ-113-SS		0814	29.09	28.16	N/A	160.25	
PZ-207-AS		0804	29.53	28.57	N/A	38.95	
S-5		0849	32.44	35.76	43.54	44.34	Previous Event = Sept 2013
S-84	8/31/2016	0758	24.02	23.09	N/A	32.89	

* Apparent pinch in PVC casing

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GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	11/7/2016	1150	35.45	35.30	107.69	107.70	
D-81		1436	18.36	18.25	62.55	62.73	
D-85		0839	24.42	23.85	76.74	~~23.09~~	
D-87		0904	32.14	31.67	115.06	114.61	
I-4		1149	32.82	32.67	35.96	35.95*	*Apparent blockage in PVC.
I-67		0846	9.19	11.45	40.45	40.59	Previous Event = Sept 2013
I-68		0850	17.55	17.05	40.46	40.45	
I-73		0938	29.50	29.08	50.55	50.75	
LR-100		1206	16.27	15.76	26.99	26.99	
LR-103		1212	38.05	37.71	49.82	49.82	
MW-103		1452	6.51	8.85	14.41	14.45	Previous Event = Sept 2013
MW-104		1439	8.39	8.35	19.15	19.15	
MW-1204		1012	8.77	7.55	215.19	215.19	
PZ-100-KS		1322	23.38	22.95	383.68	383.90	
PZ-100-SD		1330	32.55	31.51	96.42 (Top of Pump)	96.19 (Top of Pump)	
PZ-100-SS		1332	29.84	29.14	89.12 (Top of Pump)	89.13 (Top of Pump)	
PZ-101-SS		1124	39.19	37.68	155.43	155.49	
PZ-102-SS		1116	22.00	20.82	91.20	91.25	
PZ-102R-SS		1118	21.71	20.64	90.94	91.10	
PZ-103-SS		1111	15.96	13.71	149.62	149.66	
PZ-104-KS		1040	16.58	16.24	93.09 (Top of Pump)	93.09 (Top of Pump)	
PZ-104-SD		1042	20.81	20.94	120.68 (Top of Pump)	120.66 (Top of Pump)	
PZ-104-SS		1045	19.94	19.49	140.32 (Top of Pump)	140.35 (Top of Pump)	
PZ-105-SS		1024	23.33	23.84	144.86 (Top of Pump)	144.83 (Top of Pump)	
PZ-106-KS		0955	2.54	2.15	375.00	374.99	
PZ-106-SD		1001	13.82	13.49	196.48 (Top of Pump)	196.29 (Top of Pump)	
PZ-106-SS		1007	13.21	12.85	161.42 (Top of Pump)	161.42 (Top of Pump)	
PZ-107-SS		0949	31.60	31.39	103.80	103.67	
PZ-109-SS	11/7/2016	0929	28.11	24.97	130.98 (Top of Pump)	130.99 (Top of Pump)	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	11/7/2016	0924	29.76	28.28	107.19 (Top of Pump)	107.23 (Top of Pump)	
PZ-111-KS		1512	7.05	6.85	374.61	374.50	
PZ-111-SD		1519	34.19	33.03	197.20 (Top of Pump)	198.83 (Top of Pump)	
PZ-112-AS		0909	29.90	29.38	38.35	38.41	WL > 29.90
PZ-113-AD		0917	29.07	28.55	110.11	110.11	
PZ-113-AS		0919	28.98	28.50	38.95	39.17	
PZ-113-SS		0913	29.35	28.75	160.25	160.21	
PZ-114-AS		0854	18.01	17.48	26.32 (Top of Pump)	26.32 (Top of Pump)	
PZ-115-SS		0856	15.05	14.29	81.11 (Top of Pump)	81.04 (Top of Pump)	
PZ-116-SS		1018	11.56	10.30	142.60 (Top of Pump)	142.64 (Top of Pump)	
PZ-200-SS		1337	21.59	20.69	99.29	99.30	Labeled as GMP-7.
PZ-201A-SS		1343	11.82	10.03	86.12 (Top of Pump)	86.34 (Top of Pump)	
PZ-202-SS		1104	11.44	11.43	85.15 (Top of Pump)	85.22 (Top of Pump)	
PZ-203-SS		1029	24.76	25.02	111.12	111.10	
PZ-204-SS		1421	7.93	8.12	87.99	87.98	
PZ-204A-SS		1418	4.45	4.55	84.51	84.33	
PZ-205-AS		0944	30.26	29.06	53.89	53.88	
PZ-205-SS		0942	30.20	29.52	92.98 (Top of Pump)	93.00 (Top of Pump)	
PZ-206-SS		0933	28.75	27.94	129.87	129.74	TD: 129.87
PZ-207-AS		0831	29.72	29.12	38.93	38.92	
PZ-208-SS		1350	19.75	19.64	100.37	100.38	
PZ-209-SD		1059	23.09	23.05	101.42 (Top of Pump)	101.40 (Top of Pump)	
PZ-209-SS		1057	21.55	21.14	99.91 (Top of Pump)	99.88 (Top of Pump)	
PZ-210-SD		1036	25.69	26.03	106.[illegible] (Top of Pump)	101.57 (Top of Pump)	101.65 = TD
PZ-210-SS		1034	25.11	25.12	101.49 (Top of Pump)	101.50 (Top of Pump)	
PZ-211-SD		1052	21.74	21.71	99.33 (Top of Pump)	99.35 (Top of Pump)	
PZ-211-SS		1050	20.04	19.57	98.15 (Top of Pump)	98.15 (Top of Pump)	
PZ-212-SD		1405	14.30	14.13	92.80 (Top of Pump)	92.80 (Top of Pump)	
PZ-212-SS	11/7/2016	1403	10.24	10.72	93.74 (Top of Pump)	93.76 (Top of Pump)	

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FEEZOR ENGINEERING, INC.

Engineering for a Better World

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-302-AI	11/7/2016	1432	18.59	18.44	44.15	44.09	
PZ-302-AS		1430	18.72	18.46	24.50	24.51	
PZ-303-AS		1537 ~~14~~	21.08	21.85	28.25	28.30	petroleum odor
PZ-304-AI		1445	21.56	21.37	51.98	51.99	
PZ-304-AS		1448	21.28	21.09	29.21	29.21	
S-5		1147	31.20	32.44	43.62	43.54	
S-53		1459	11.72	11.59	18.02	18.00	
S-84	11/7/2016	0836	24.11	23.55	32.74	32.90	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	2/6/2017	1336	38.10	35.45	107.65	107.69	
D-81		1446	21.11	18.36	62.49	62.55	
D-85		0812	27.30	24.42	76.73	76.74	
D-87		0918	34.90	32.14	115.15	115.06	
I-4		1338	35.55	32.82	35.85	35.96*	*Apparent blockage in PVC.
I-67		0821	12.19	9.19	40.45	40.45	
I-68		0827	20.47	17.55	40.47	40.46	
I-73		1143	32.04	29.50	50.56	50.55	
LR-100		1138	16.73	16.27	26.98	26.99	
LR-103		1400	40.65	38.05	49.81	49.82	
MW-103		1508	9.61	6.51	14.40	14.41	
MW-104		1450	11.19	8.39	18.95	19.15	
MW-1204		1039	10.12	8.77	215.21	215.18	
PZ-100-KS		0848	23.61	23.38	N/A	383.68	
PZ-100-SD		0845	31.41	32.55	96.27 (Top of Pump)	96.42 (Top of Pump)	
PZ-100-SS		0842	29.94	29.89	89.34 (Top of Pump)	89.12 (Top of Pump)	
PZ-101-SS		0929	39.10	39.19	157.35	155.43	Well extended January 2017
PZ-102-SS		0938	22.62	22.00	91.27	91.28	TD: 91.27
PZ-102R-SS		0935	26.62	21.71	94.03	90.94	Well extended January 2017
PZ-103-SS		0942	16.79	15.96	149.63	149.62	
PZ-104-KS		1011	17.16	16.58	93.01 (Top of Pump)	93.09 (Top of Pump)	
PZ-104-SD		1015	21.30	20.81	120.61 (Top of Pump)	120.68 (Top of Pump)	
PZ-104-SS		1018	20.33	19.94	140.54 (Top of Pump)	140.32 (Top of Pump)	
PZ-105-SS		1034	23.79	23.33	~~144.83~~ (Top of Pump)	144.86 (Top of Pump)	144.63 - Top of pump
PZ-106-KS		1049	2.73	2.59	N/A	375.00	
PZ-106-SD		1050	14.48	13.82	196.47 (Top of Pump)	196.48 (Top of Pump)	
PZ-106-SS		1054	13.82	13.21	161.40 (Top of Pump)	161.42 (Top of Pump)	
PZ-107-SS		1120	34.23	31.60	103.72	103.80	
PZ-109-SS	2/6/2017	1149	22.08	28.11	130.92 (Top of Pump)	130.98 (Top of Pump)	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	2/6/2017	1155 ~~1055~~	31.10	28.76	107.19 (Top of Pump)	107.19 (Top of Pump)	
PZ-111-KS		1200	7.13	7.05	N/A	374.61	
PZ-111-SD		1202	36.04	34.19	197.16 (Top of Pump)	197.20 (Top of Pump)	
PZ-112-AS		0923	32.59	29.90	38.35	38.35	
PZ-113-AD		1211	31.78	29.07	109.95	110.11	
PZ-113-AS		1210	31.69	28.98	39.18	38.95	
PZ-113-SS		1214	31.96	29.35	160.27	160.25	
PZ-114-AS		0835	20.85	18.01	26.29 (Top of Pump)	26.32 (Top of Pump)	
PZ-115-SS		0832	15.39	15.05	81.04 (Top of Pump)	81.11 (Top of Pump)	
PZ-116-SS		1043	12.98	11.56	142.68 (Top of Pump)	142.60 (Top of Pump)	
PZ-200-SS		0853	22.18	21.59	99.28	99.29	Labeled as GMP-7.
PZ-201A-SS		0859	12.75	11.82	86.09 (Top of Pump)	86.12 (Top of Pump)	
PZ-202-SS		0958	12.14	11.44	85.19 (Top of Pump)	85.15 (Top of Pump)	
PZ-203-SS		1029	25.05	24.76	111.30	111.12	
PZ-204-SS		1428	8.98	7.93	87.98	87.99	
PZ-204A-SS		1426	4.66	4.45	84.62	84.51	
PZ-205-AS		1124	33.10	30.26	53.83	53.89	
PZ-205-SS		1130	32.19	30.20	92.84 (Top of Pump)	92.98 (Top of Pump)	
PZ-206-SS		1354	29.72	28.75	129.84	129.87	
PZ-207-AS		0808	32.56	29.72	38.97	38.93	
PZ-208-SS		0906	19.92	19.75	100.30	100.37	
PZ-209-SD		0950	23.65	23.09	101.33 (Top of Pump)	101.42 (Top of Pump)	
PZ-209-SS		0953	21.98	21.55	99.88 (Top of Pump)	99.81 (Top of Pump)	
PZ-210-SD		1025	26.19	25.69	101.72 (Top of Pump)	101.65 (Top of Pump)	
PZ-210-SS		1023	25.60	25.11	101.48 (Top of Pump)	101.49 (Top of Pump)	
PZ-211-SD		1006	22.33	21.74	99.29 (Top of Pump)	99.33 (Top of Pump)	
PZ-211-SS		1004	20.36	20.04	98.13 (Top of Pump)	98.15 (Top of Pump)	
PZ-212-SD		1412	14.80	14.30	92.75 (Top of Pump)	92.80 (Top of Pump)	
PZ-212-SS	2/6/2017	1414	11.39	10.24	93.88 (Top of Pump)	93.74 (Top of Pump)	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-302-AI	2/6/2017	1442	21.28	18.59	44.15	44.15	
PZ-302-AS		1440	21.45	18.72	24.49	24.50	
PZ-303-AS		1455	23.65	21.08	28.26	28.25	
PZ-304-AI		1502	24.29	21.56	51.99	51.98	
PZ-304-AS		1504	23.98	21.28	29.21	29.21	
S-5		1340	31.71	31.20	43.45	43.62	
S-53		1435	14.51	11.72	18.02	18.02	
S-84	2/6/2017	0815	27.09	24.11	32.72	32.74	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-3	5/1/2017	1326	37.08	38.10	107.72	107.65	
D-81		1449	19.37	21.11	62.55	62.49	
D-85		0812	25.82	27.30	76.43	76.73	
D-87		0855	33.64	34.90	115.17	115.15	
I-4		1329	34.49	35.55	35.90	35.85*	*Apparent blockage in PVC.
I-67		1349	10.60	12.19	40.44	40.45	
I-68		1353	18.38	20.47	40.46	40.47	
I-73		0957	30.79	32.04	50.57	50.56	
LR-100		0950	15.79	16.73	26.98	26.98	
LR-103		0942	39.46	40.65	49.82	49.81	
MW-103		1505	6.95	9.61	14.41	14.40	
MW-104		1453	9.14	11.19	18.94	18.95	
MW-1204		1023	9.58	10.12	N/A	215.21	
PZ-100-KS		0830	22.83	23.61	N/A	383.68	
PZ-100-SD		0828	30.97	31.41	96.21 (Top of Pump)	96.27 (Top of Pump)	
PZ-100-SS		0826	29.89	29.94	89.33 (Top of Pump)	89.34 (Top of Pump)	
PZ-101-SS		1128	38.54	39.10	157.11	157.35	
PZ-102-SS		1120	21.45	22.62	91.27	91.27	
PZ-102R-SS		1123	25.20	26.62	94.02	94.03	
PZ-103-SS		1116	15.33	16.79	149.65	149.63	
PZ-104-KS		1053	15.73	17.16	93.29 (Top of Pump)	93.01 (Top of Pump)	
PZ-104-SD		1050	20.21	21.30	120.62 (Top of Pump)	120.61 (Top of Pump)	
PZ-104-SS		1047	19.49	20.33	140.29 (Top of Pump)	140.54 (Top of Pump)	
PZ-105-SS		1035	22.45	23.79	144.82 (Top of Pump)	144.63 (Top of Pump)	
PZ-106-KS		1012	1.93	2.73	N/A	375.00	
PZ-106-SD		1014	13.69	14.48	196.45 (Top of Pump)	196.47 (Top of Pump)	
PZ-106-SS		1017	12.98	13.82	161.39 (Top of Pump)	161.40 (Top of Pump)	
PZ-107-SS		1007	33.66	34.23	103.67	103.72	
PZ-109-SS	5/1/2017	0932	20.59	22.08	130.98 (Top of Pump)	130.92 (Top of Pump)	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-110-SS	5/1/2017	Damaged		31.10	(Top of Pump)	107.19 (Top of Pump)	Not Measurable
PZ-111-KS		0918	6.52	7.13	N/A	374.61	
PZ-111-SD		0916	36.05	36.04	197.08 (Top of Pump)	197.16 (Top of Pump)	
PZ-112-AS		0902	31.45	32.59	38.45	38.35	
PZ-113-AD		0906	30.68	31.78	109.95	109.95	
PZ-113-AS		0909	30.65	31.69	39.22	39.18	
PZ-113-SS		0911	30.78	31.96	160.28	160.27	
PZ-114-AS		0818	18.25	20.85	26.04 (Top of Pump)	26.29 (Top of Pump)	
PZ-115-SS		0820	12.61	15.39	81.03 (Top of Pump)	81.04 (Top of Pump)	
PZ-116-SS		1024	12.69	12.98	142.87 (Top of Pump)	142.68 (Top of Pump)	
PZ-200-SS		0835	21.85	22.18	99.35	99.28	Labeled as GMP-7
PZ-201A-SS		0839	11.75	12.75	86.28 (Top of Pump)	86.09 (Top of Pump)	
PZ-202-SS		1111	10.45	12.14	85.19 (Top of Pump)	85.19 (Top of Pump)	
PZ-203-SS		1030	23.99	25.05	111.29	111.30	
PZ-204-SS		1430	8.33	8.98	87.98	87.98	
PZ-204A-SS		1427	3.95	4.66	84.74	84.62	
PZ-205-AS		1000	32.25	33.10	53.85	53.83	
PZ-205-SS		1002	30.54	32.19	103.61 (Top of Pump)	92.84 (Top of Pump)	TD measured w/out pump
PZ-206-SS		0937	28.85	29.72	129.85	129.84	
PZ-207-AS		0808	31.25	32.56	38.94	38.97	
PZ-208-SS		0846	17.59	19.92	100.35	100.30	
PZ-209-SD		1103	23.36	23.65	101.40 (Top of Pump)	101.33 (Top of Pump)	
PZ-209-SS		1105	20.94	21.98	99.89 (Top of Pump)	99.88 (Top of Pump)	
PZ-210-SD		1043	24.94	26.19	101.60 (Top of Pump)	101.72 (Top of Pump)	
PZ-210-SS		1042	24.59	25.60	101.46 (Top of Pump)	101.48 (Top of Pump)	
PZ-211-SD		1057	20.97	22.33	99.02 (Top of Pump)	99.29 (Top of Pump)	
PZ-211-SS		1059	19.44	20.36	98.12 (Top of Pump)	98.13 (Top of Pump)	
PZ-212-SD		1411	13.72	14.80	92.76 (Top of Pump)	92.75 (Top of Pump)	
PZ-212-SS	5/1/2017	1409	7.40	11.39	93.89 (Top of Pump)	93.88 (Top of Pump)	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-302-AI	5/1/2017	1445	19.89	21.28	44.16	44.15	
PZ-302-AS		1443	19.95	21.45	24.52	24.49	
PZ-303-AS		1511	21.90	23.65	28.25	28.26	
PZ-304-AI		1458	22.62	24.29	51.98	51.99	
PZ-304-AS		1500	22.37	23.98	29.18	29.21	
S-5		1331	34.59	31.71	43.56	43.45	
S-53		1438	12.66	14.51	18.01	18.02	
S-84	5/1/2017	0811	~~24~~ 25.52	27.09	32.71	32.72	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
D-85	8/28/17	0818	24.82	25.82	76.41	76.43	
D-87		0755	32.24	33.64	115.25	115.17	WL: 32.24 TD: 115.25
I-67		1114	9.65	10.60	40.49	40.44	
I-68		1111	18.14	18.38	40.46	40.46	
I-73		1024	29.50	30.79	50.56	50.57	
LR-103		1106	38.15	39.43	49.65	49.82	
MW-1204		1003	10.67	9.58	N/A	215.21	
PZ-100-KS		0833	23.52	22.83	N/A	383.68	
PZ-100-SD		0831	30.51	30.97	96.24 (Top of Pump)	96.21 (Top of Pump)	
PZ-100-SS		0829	29.43	29.89	89.31 (Top of Pump)	89.33 (Top of Pump)	
PZ-101-SS		0905	38.19	38.54	157.43	157.11	
PZ-102-SS		0858	21.55	21.45	91.28	91.27	
PZ-102R-SS		0900	24.49	25.20	93.89	94.02	
PZ-103-SS		0911	15.34	15.33	149.66	149.65	
PZ-104-KS		0942	17.19	15.73	93.28 (Top of Pump)	93.29 (Top of Pump)	
PZ-104-SD		0943	21.30	20.21	120.59 (Top of Pump)	120.62 (Top of Pump)	
PZ-104-SS		0945	20.19	19.49	140.59 (Top of Pump)	140.29 (Top of Pump)	
PZ-105-SS		0958	23.39	22.45	~~144.8~~ (Top of Pump)	144.82 (Top of Pump)	TD: 144.98
PZ-106-KS		1011	2.54	1.93	N/A	375.00	
PZ-106-SD		1009	14.51	13.69	N/A (Top of Pump)	196.45 (Top of Pump)	
PZ-106-SS		1010	14.15	12.98	N/A (Top of Pump)	161.39 (Top of Pump)	
PZ-107-SS		1015	31.72	33.66	103.80	103.67	
PZ-109-SS		1041	19.82	20.59	130.86 (Top of Pump)	130.98 (Top of Pump)	
PZ-111-SS		N/A	N/A	N/A	N/A (Top of Pump)	N/A	Not finished Installed 8/2017
PZ-111-KS		1038	6.98	6.52	N/A	374.61	
PZ-111-SD		1037	33.49	36.05	N/A (Top of Pump)	197.08 (Top of Pump)	
PZ-112-AS		0801	29.95	31.45	38.35	38.45	
PZ-113-AD		0808	29.19	30.68	110.10	109.95	
PZ-113-AS	8/28/17	0809	29.13	30.65	39.31	39.22	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth Previous Event (ft)	Notes
PZ-113-SS	8/28/17	0804	29.35	30.78	160.23	160.28	
PZ-114-AS		0822	18.53	18.25	26.35 (Top of Pump)	26.04 (Top of Pump)	
PZ-115-SS		0823	14.26	12.61	81.09 (Top of Pump)	81.03 (Top of Pump)	
PZ-116-SS		1005	13.06	12.69	142.71 (Top of Pump)	142.87 (Top of Pump)	
PZ-200-SS		0835	21.70	21.85	99.30	99.35	Labeled as GMP-7
PZ-201A-SS		0840	11.68	11.75	86.36 (Top of Pump)	86.28 (Top of Pump)	
PZ-202-SS		0922	12.40	10.45	85.20 (Top of Pump)	85.19 (Top of Pump)	
PZ-203-SS		0954	24.85	23.99	111.19	111.29	
PZ-204-SS		1059	8.65	8.33	87.98	87.98	
PZ-204A-SS		1057	4.98	3.95	84.55	84.74	
PZ-205-AS		1020	31.32	32.25	53.84	53.85	
PZ-205-SS		1019	29.65	30.54	93.00 (Top of Pump)	92.84 (Top of Pump)	
PZ-206-SS		1050	27.73	28.85	129.95	129.85	
PZ-207-AS		0813	29.98	31.25	38.92	38.94	
PZ-208-SS		0845	19.69	17.59	100.37	100.35	
PZ-209-SD		0919	23.71	23.36	101.38 (Top of Pump)	101.40 (Top of Pump)	
PZ-209-SS		0917	22.09	20.94	99.98 (Top of Pump)	99.89 (Top of Pump)	
PZ-210-SD		0951	25.29	24.94	101.49 (Top of Pump)	101.60 (Top of Pump)	
PZ-210-SS		0950	25.95	24.59	101.56 (Top of Pump)	101.46 (Top of Pump)	
PZ-211-SD		0937	22.38	20.97	99.18 (Top of Pump)	99.02 (Top of Pump)	
PZ-211-SS		0935	20.41	19.44	98.19 (Top of Pump)	98.12 (Top of Pump)	
PZ-212-SD		0930	14.98	13.72	92.61 (Top of Pump)	92.76 (Top of Pump)	
PZ-212-SS		0929	13.65	7.40	93.95 (Top of Pump)	93.89 (Top of Pump)	
S-84	8/28/17	0816	24.55	25.52	32.61	32.71	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth May 2017 (ft)	Notes
D-85	11/2/2017	0913	26.44	24.82	N/A	76.41	
D-87		0900	33.88	32.24	N/A	115.17	
I-67		1241	11.28	9.65	N/A	40.44	
I-68		1239	19.62	18.14	N/A	40.46	
I-73		1231	31.01	29.50	N/A	50.57	
LR-103		1234	39.64	38.15	N/A	49.82	
MW-1204		1039	10.90	10.67	N/A	215.21	TD is from Feb 2017
PZ-100-SS		0927	29.30	29.43	N/A	89.33 (Top of Pump)	
PZ-100-SD		0926	31.06	30.51	N/A	96.21 (Top of Pump)	
PZ-100-KS		0925	23.89	23.52	N/A	383.68	TD is from Nov 2016
PZ-101-SS		0955	38.83	38.19	N/A	157.11	
PZ-102-SS		1001	22.19	21.55	N/A	91.27	
PZ-102R-SS		1000	24.98	24.49	N/A	94.02	
PZ-103-SS		1004	16.15	15.34	N/A	149.65	
PZ-104-SS		1026	20.27	20.19	N/A	140.29 (Top of Pump)	
PZ-104-SD		1024	21.45	21.30	N/A	120.62 (Top of Pump)	
PZ-104-KS		1023	17.83	17.19	N/A	93.29 (Top of Pump)	
PZ-105-SS		1035	23.49	23.39	N/A	144.82 (Top of Pump)	
PZ-106-SS		1044	14.02	14.15	N/A	161.39 (Top of Pump)	
PZ-106-SD		1043	14.52	14.51	N/A	196.45 (Top of Pump)	
PZ-106-KS		1042	3.00	2.59	N/A	375.00	TD is from Nov 2016
PZ-107-SS		1047	33.19	31.72	N/A	103.67	
PZ-109-SS		1220	20.89	19.82	N/A	130.98 (Top of Pump)	
PZ-111-SS		1214	33.40	31.98	N/A	115.30	Top of pump = 111.43 TD is from Aug 2017 - No pump installed
PZ-111-SD		1212	35.27	33.49	N/A	197.08 (Top of Pump)	
PZ-111-KS		1213	7.33	6.98	N/A	374.61	TD is from Nov 2016
PZ-112-AS		0944	31.57	29.95	N/A	38.45	
PZ-113-AD		0904	30.84	29.19	N/A	109.95	
PZ-113-AS	11/2/2017	0905	30.10	29.13	N/A	39.22	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth May 2017 (ft)	Notes
PZ-113-SS	11/2/2017	0903	30.96	29.35	N/A	160.28	
PZ-114-AS		0919	20.15	18.53	N/A	26.04 (Top of Pump)	
PZ-115-SS		0920	15.07	14.26	N/A	81.03 (Top of Pump)	
PZ-116-SS		1038	13.65	13.06	N/A	142.87 (Top of Pump)	
PZ-200-SS		0930	22.30	21.70	N/A	99.35	Labeled as GMP-7
PZ-201A-SS		0934	12.59	11.68	N/A	86.28 (Top of Pump)	
PZ-202-SS		1010	13.04	12.40	N/A	85.19 (Top of Pump)	
PZ-203-SS		1032	24.98	24.85	N/A	111.29	
PZ-204-SS		1053	8.72	8.65	N/A	87.98	
PZ-204A-SS		1051	5.17	4.98	N/A	84.74	
PZ-205-AS		1227	32.60	31.32	N/A	53.85	
PZ-205-SS		1228	30.95	29.65	N/A	93.00 (Top of Pump)	Top of Pump is from Aug 2017
PZ-206-SS		1222	29.09	27.73	N/A	129.85	
PZ-207-AS		0908	31.58	29.98	N/A	38.94	
PZ-208-SS		0939	19.98	19.69	N/A	100.35	
PZ-209-SS		1007	22.19	22.09	N/A	99.89 (Top of Pump)	
PZ-209-SD		1006	23.93	23.71	N/A	101.40 (Top of Pump)	
PZ-210-SS		1029	25.42	25.95	N/A	101.46 (Top of Pump)	
PZ-210-SD		1030	26.12	25.29	N/A	101.60 (Top of Pump)	
PZ-211-SS		1019	20.53	20.41	N/A	98.12 (Top of Pump)	
PZ-211-SD		1019	~~26.~~ 23.65	22.39	N/A	99.02 (Top of Pump)	WL: 23.65
PZ-212-SS		1015	14.80	13.65	N/A	93.89 (Top of Pump)	
PZ-212-SD		1016	15.64	14.98	N/A	92.76 (Top of Pump)	
S-84	11/2/2017	0912	26.16	24.55	N/A	32.71	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth May 2017 (ft)	Notes
D-85	2/14/2018	1340	28.95	26.44	N/A	76.41	top of pump = 62.54
D-87		0956	36.61	33.88	N/A	115.17	
I-67		1307	13.98	11.28	N/A	40.44	
I-68		1310	22.30	19.62	N/A	40.46	top of pump = 32.10
I-73		1136	33.70	31.01	N/A	50.57	Top of pump = 42.12
LR-103		1150	42.44	39.64	N/A	49.82	
MW-1204		1107	12.11	10.90	N/A	215.21	Top of pump = 50.30 TD is from Feb 2017
PZ-100-SS		1326	29.65	29.30	N/A	89.33 (Top of Pump)	
PZ-100-SD		1325	32.13	31.06	N/A	96.21 (Top of Pump)	
PZ-100-KS		1324	24.90	23.89	N/A	383.68	TD is from Nov 2016
PZ-101-SS		1007	40.14	38.83	N/A	157.11	Top of pump = 148.91
PZ-102-SS		1011	23.10	22.19	N/A	91.27	Top of pump = 82.93
PZ-102R-SS		1013	26.41	24.98	N/A	94.02	Top of pump = 85.80
PZ-103-SS		1018	18.49	16.15	N/A	149.65	Top of pump = 141.62
PZ-104-SS		1025	20.96	20.27	N/A	140.29 (Top of Pump)	
PZ-104-SD		1024	22.25	21.45	N/A	120.62 (Top of Pump)	
PZ-104-KS		1022	18.79	17.83	N/A	93.29 (Top of Pump)	
PZ-105-SS		1103	24.14	23.49	N/A	144.82 (Top of Pump)	
PZ-106-SS		1114	14.47	14.02	N/A	161.39 (Top of Pump)	
PZ-106-SD		1113	14.95	14.52	N/A	196.45 (Top of Pump)	
PZ-106-KS		1112	3.92	3.00	N/A	375.00	TD is from Nov 2016
PZ-107-SS		1117	35.98	33.19	N/A	103.67	Top of pump = 95.40
PZ-109-SS		1141	22.40	20.89	N/A	130.98 (Top of Pump)	
PZ-111-SS		1144	36.05	33.40	N/A	111.43 (Top of Pump)	
PZ-111-SD		1145	37.67	35.27	N/A	197.08 (Top of Pump)	
PZ-111-KS		1146	8.20	7.33	N/A	374.61	TD is from Nov 2016
PZ-112-AS		1001	>24.20 ft*	31.57	N/A	38.45	Obstruction @ 24.20 ft
PZ-113-AD		1257	53.51	30.84	N/A	109.95	top of pump = 101.80
PZ-113-AS	2/14/2018	~~1257~~ 1259	~~@ 33.51~~ >32.80	30.10	N/A	39.22	top of pump = 32.80

No water detected above top of pump.

* unable to sink probe tip past blockage @24.20 ft TOC.

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth May 2017 (ft)	Notes
PZ-113-SS	2/14/2018	1254	33.59	30.96	N/A	160.28	top of pump = 152.00
PZ-114-AS		1314	22.74	20.15	N/A	26.04 (Top of Pump)	
PZ-115-SS		1313	16.59	15.07	N/A	81.03 (Top of Pump)	
PZ-116-SS		1106	14.51	13.65	N/A	142.87 (Top of Pump)	
PZ-200-SS		1329	23.17	22.30	N/A	99.35	Labeled as GMP-7
PZ-201A-SS		1332	14.38	12.59	N/A	86.28 (Top of Pump)	
PZ-202-SS		1041	14.05	13.04	N/A	85.19 (Top of Pump)	
PZ-203-SS		1059	25.89	24.98	N/A	111.29	Top of pump = 76.33
PZ-204-SS		1123	9.09	8.72	N/A	87.98	
PZ-204A-SS		1124	5.20	5.17	N/A	84.74	Top of pump = 45.75
PZ-205-AS		1133	34.79	32.60	N/A	53.85	Top of pump = 45.60
PZ-205-SS		1132	33.51	30.95	N/A	93.00 (Top of Pump)	Top of Pump is from Aug 2017
PZ-206-SS		1348	31.25	29.09	N/A	129.85	
PZ-207-AS		1302	34.35	31.58	N/A	38.94	top of pump = 35.85
PZ-208-SS		1336	20.45	19.98	N/A	100.35	
PZ-209-SS		1038	23.21	22.19	N/A	99.89 (Top of Pump)	
PZ-209-SD		1037	24.85	23.93	N/A	101.40 (Top of Pump)	
PZ-210-SS		1057	26.10	25.42	N/A	101.46 (Top of Pump)	
PZ-210-SD		1056	26.84	26.12	N/A	101.60 (Top of Pump)	
PZ-211-SS		1054	21.45	20.53	N/A	98.12 (Top of Pump)	
PZ-211-SD		1053	23.55	23.65	N/A	99.02 (Top of Pump)	
PZ-212-SS		1049	15.19	14.80	N/A	93.89 (Top of Pump)	
PZ-212-SD		1048	16.70	15.64	N/A	92.76 (Top of Pump)	
S-84	2/14/2018	1342	28.70	26.16	N/A	32.71	Top of pump = 29.70

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth May 2018 (ft)	Notes
D-85	8/6/2018	0806	26.11	26.55	N/A	62.57 (Top of Pump)	
D-87		0752	33.51	33.99	N/A	115.18	
I-67		0835	11.10	11.38	N/A	40.59	
I-68		0808	19.51	19.71	N/A	32.15 (Top of Pump)	
I-73		0855	30.54	31.16	N/A	41.81 (Top of Pump)	
LR-103		0853	39.35	39.81	N/A	49.83	
MW-1204		1034	15.37	13.20	N/A	50.20 (Top of Pump)	
PZ-100-SS		0819	30.11	29.55	N/A	89.10 (Top of Pump)	
PZ-100-SD		0817	32.19	31.76	N/A	96.44 (Top of Pump)	
PZ-100-KS		0816	24.35	23.39	N/A	385.02	
PZ-101-SS		0923	47.19	40.18	N/A	148.91 (Top of Pump)	Double checked WL
PZ-102-SS		0934	22.98	22.91	N/A	82.85 (Top of Pump)	
PZ-102R-SS		0932	26.32	25.72	N/A	85.83 (Top of Pump)	
PZ-103-SS		0938	20.49	18.69	N/A	141.59 (Top of Pump)	
PZ-104-SS		1044	21.41	19.79	N/A	140.28 (Top of Pump)	
PZ-104-SD		1043	22.39	20.91	N/A	120.63 (Top of Pump)	
PZ-104-KS		1042	18.10	16.94	N/A	93.16 (Top of Pump)	
PZ-105-SS		1004	23.75	22.25	N/A	144.84 (Top of Pump)	
PZ-106-SS		1010	15.20	14.65	N/A	161.38 (Top of Pump)	
PZ-106-SD		1009	15.82	15.23	N/A	196.25 (Top of Pump)	
PZ-106-KS		1008	3.57	2.55	N/A	377.49	
PZ-107-SS		0906	32.70	33.29	N/A	95.29 (Top of Pump)	
PZ-109-SS		0847	22.12	21.70	N/A	130.89 (Top of Pump)	
PZ-111-SS		0845	33.11	33.58	N/A	111.29 (Top of Pump)	
PZ-111-SD		0843	35.91	35.78	N/A	196.86 (Top of Pump)	
PZ-111-KS		0844	7.83	7.09	N/A	377.01	
PZ-112-AS		0755	>23.92	> 23.93*	N/A	23.93	Obstruction @ 23.93 ft below TOC
PZ-113-AD		0800	30.40	31.01	N/A	101.85 (Top of Pump)	
PZ-113-AS	8/6/2018	0801	30.32	30.91	N/A	32.79 (Top of Pump)	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth May 2018 (ft)	Notes
PZ-113-SS	8/6/2018	0758	30.51	31.16	N/A	152.01 (Top of Pump)	
PZ-114-AS		0813	20.13	20.12	N/A	26.25 (Top of Pump)	
PZ-115-SS		0812	15.54	14.15	N/A	80.91 (Top of Pump)	
PZ-116-SS		1033	16.55	14.87	N/A	142.68 (Top of Pump)	
PZ-200-SS		0823	23.44	22.99	N/A	99.25	Labeled as GMP-7
PZ-201A-SS		0826	14.55	13.35	N/A	86.30 (Top of Pump)	
PZ-202-SS		0947	13.42	11.90	N/A	85.16 (Top of Pump)	
PZ-203-SS		1001	25.83	24.35	N/A	102.45 (Top of Pump)	
PZ-204-SS		0914	9.55	8.90	N/A	87.99	
PZ-204A-SS		0915	5.03	4.95	N/A	75.98 (Top of Pump)	
PZ-205-AS		0859	32.76	33.41	N/A	45.50 (Top of Pump)	Double checked wl
PZ-205-SS		0900	31.41	31.71	N/A	92.98 (Top of Pump)	
PZ-206-SS		0850	29.34	29.62	N/A	129.92	
PZ-207-AS		0838	31.38	31.73	N/A	35.79 (Top of Pump)	
PZ-208-SS		0831	20.31	19.99	N/A	100.30	
PZ-209-SS		0941	22.55	20.94	N/A	99.89 (Top of Pump)	
PZ-209-SD		0942	24.31	22.75	N/A	101.25 (Top of Pump)	
PZ-210-SS		1038	26.07	24.35	N/A	101.28 (Top of Pump)	
PZ-210-SD		1039	27.69	25.19	N/A	101.62 (Top of Pump)	
PZ-211-SS		0959	20.14	19.22	N/A	97.87 (Top of Pump)	
PZ-211-SD		1000	23.10	21.54	N/A	99.40 (Top of Pump)	
PZ-212-SS		0953	15.18	10.20	N/A	93.75 (Top of Pump)	
PZ-212-SD		0954	15.97	14.33	N/A	92.59 (Top of Pump)	
S-84	8/6/2018	0805	25.89	26.28	N/A	29.75 (Top of Pump)	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth May 2018 (ft)	Notes
D-85	11/13/2018	1115	24.91	26.11	N/A	62.57 (Top of Pump)	
D-87		1053	32.22	33.51	N/A	115.18	
I-67		1148	9.75	11.10	N/A	40.59	
I-68		1118	18.23	19.51	N/A	32.15 (Top of Pump)	
I-73		1205	29.48	30.54	N/A	41.81 (Top of Pump)	
LR-103		1426	38.07	39.35	N/A	49.83	
MW-1204		1415	16.28	15.37	N/A	50.20 (Top of Pump)	
PZ-100-SS		1132	29.59	30.11	N/A	89.10 (Top of Pump)	
PZ-100-SD		1131	31.66	32.19	N/A	96.44 (Top of Pump)	
PZ-100-KS		1130	24.34	24.35	N/A	385.02	
PZ-101-SS		1321	47.30	47.19	N/A	148.91 (Top of Pump)	
PZ-102-SS		1324	22.38	22.98	N/A	82.85 (Top of Pump)	
PZ-102R-SS		1326	26.15	26.32	N/A	85.83 (Top of Pump)	
PZ-103-SS		1329	20.41	20.49	N/A	141.59 (Top of Pump)	
PZ-104-SS		1358	21.82	21.41	N/A	140.28 (Top of Pump)	
PZ-104-SD		1357	22.43	22.39	N/A	120.63 (Top of Pump)	
PZ-104-KS		1355	17.61	18.10	N/A	93.16 (Top of Pump)	
PZ-105-SS		1409	23.42	23.75	N/A	144.84 (Top of Pump)	
PZ-106-SS		1421	13.69	15.20	N/A	161.38 (Top of Pump)	
PZ-106-SD		1420	~~14.39~~ 14.39	15.82	N/A	196.25 (Top of Pump)	
PZ-106-KS		1419	3.62	3.57	N/A	377.49	
PZ-107-SS		1213	31.62	32.70	N/A	95.29 (Top of Pump)	
PZ-109-SS		1159	21.86	22.12	N/A	130.89 (Top of Pump)	
PZ-111-SS		1156	31.97	33.11	N/A	111.29 (Top of Pump)	
PZ-111-SD		1154	33.99	35.91	N/A	196.86 (Top of Pump)	
PZ-111-KS		1155	8.17	7.83	N/A	377.01	
PZ-112-AS		1058	Dry @ 23.91	> 23.93*	N/A	23.93	Obstruction @ 23.93 ft below TOC
PZ-113-AD		1102	29.29	30.40	N/A	101.85 (Top of Pump)	
PZ-113-AS	11/13/2018	1104	29.21	30.32	N/A	32.79 (Top of Pump)	

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FEEZOR ENGINEERING, INC.

GROUNDWATER ELEVATION MEASUREMENTS

Site: Bridgeton Landfill, Bridgeton, Missouri

Personnel: Michael Spurgeon & Jonathan Wilkinson

Well ID	Date	Time	Depth to Water (ft)	Depth to Water Previous Event (ft)	Total Depth (ft)	Total Depth May 2018 (ft)	Notes
PZ-113-SS	11/13/2018	1101	29.39	30.51	N/A	152.01 (Top of Pump)	
PZ-114-AS		1123	18.75	20.13	N/A	26.25 (Top of Pump)	
PZ-115-SS		1124	14.60	15.54	N/A	80.91 (Top of Pump)	
PZ-116-SS		1413	16.65	16.55	N/A	142.68 (Top of Pump)	
PZ-200-SS		1135	23.02	23.44	N/A	99.25	Labeled as GMP-7
PZ-201A-SS		1138	13.50	14.55	N/A	86.30 (Top of Pump)	
PZ-202-SS		1337	12.22	13.42	N/A	85.16 (Top of Pump)	
PZ-203-SS		1404	26.06	25.83	N/A	102.45 (Top of Pump)	
PZ-204-SS		1221	8.91	9.55	N/A	87.99	
PZ-204A-SS		1219	4.43	5.03	N/A	75.98 (Top of Pump)	
PZ-205-AS		1209	31.04	32.76	N/A	45.50 (Top of Pump)	
PZ-205-SS		1208	30.28	31.41	N/A	92.98 (Top of Pump)	
PZ-206-SS		1202	28.33	29.34	N/A	129.92	
PZ-207-AS		1107	30.10	31.38	N/A	35.79 (Top of Pump)	
PZ-208-SS		1145	20.25	20.31	N/A	100.30	
PZ-209-SS		1333	21.89	22.55	N/A	99.89 (Top of Pump)	
PZ-209-SD		1334	23.72	24.31	N/A	101.25 (Top of Pump)	
PZ-210-SS		1400	26.15	26.07	N/A	101.28 (Top of Pump)	
PZ-210-SD		1401	26.49	27.69	N/A	101.62 (Top of Pump)	
PZ-211-SS		1349	20.37	20.14	N/A	97.87 (Top of Pump)	
PZ-211-SD		1351	22.56	23.10	N/A	99.40 (Top of Pump)	
PZ-212-SS		1345	14.72	15.18	N/A	93.75 (Top of Pump)	
PZ-212-SD		1343	15.47	15.97	N/A	92.59 (Top of Pump)	
S-84	11/13/18	1111	24.70	25.89	N/A	29.75 (Top of Pump)	

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TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-14	10/31/1995	487.37	0	487.37	LR
D-14	12/15/1995	487.37	58.42	428.95	LR
D-14	1/05/1996	487.37	58.62	428.75	LR
D-14	2/06/1996	487.37	58.84	428.53	LR
D-14	3/04/1996	487.37	59.23	428.14	LR
D-14	4/02/1996	487.37	59.69	427.68	LR
D-14	4/30/1996	487.37	58.70	428.67	LR
D-14	5/01/1996	487.37	57.96	429.41	LR
D-14	5/02/1996	487.37	57.69	429.68	LR
D-14	5/03/1996	487.37	57.75	429.62	LR
D-14	6/13/1996	487.37	56.18	431.19	LR
D-14	7/05/1996	487.37	56.21	431.16	LR
D-14	7/12/1996	487.37	56.11	431.26	LR
D-14	8/08/1996	487.37	56.75	430.62	LR
D-14	9/06/1996	487.37	57.40	429.97	LR
D-14	10/02/1996	487.37	57.79	429.58	LR
D-14	2/04/1997	487.37	57.30	430.07	LR
D-14	7/30/2012	482.97	31.07	451.90	LR
D-14	8/15/2012	482.97	30.79	452.18	LR
D-14	7/08/2013	482.97	29.25	453.72	LR
D-14	9/30/2013	482.97	23.45	459.52	LR
LR-100	10/18/1995	468.72	18.04	450.68	LR
LR-100	10/28/1995	468.72	28.44	440.28	LR
LR-100	11/08/1995	468.72	18.70	450.02	LR
LR-100	12/15/1995	468.72	19.22	449.50	LR
LR-100	1/04/1996	468.72	19.35	449.37	LR
LR-100	2/05/1996	468.72	18.98	449.74	LR
LR-100	3/04/1996	468.72	18.52	450.20	LR
LR-100	4/03/1996	468.72	18.51	450.21	LR
LR-100	4/30/1996	468.72	17.87	450.85	LR
LR-100	5/03/1996	468.72	17.48	451.24	LR
LR-100	6/13/1996	468.72	17.10	451.62	LR
LR-100	7/12/1996	468.72	17.37	451.35	LR
LR-100	8/08/1996	468.72	18.28	450.44	LR
LR-100	9/06/1996	468.72	18.74	449.98	LR
LR-100	2/04/1997	468.72	17.25	451.47	LR
LR-100	5/09/1997	468.72	17.70	451.02	LR
LR-100	5/22/2000	468.72	18.23	450.49	LR
LR-100	7/30/2012	468.11	17.77	450.34	LR
LR-100	8/13/2012	468.11	17.79	450.32	LR
LR-100	4/02/2013	468.11	15.65	452.46	LR
LR-100	4/03/2013	468.11	15.26	452.85	LR
LR-100	7/08/2013	468.11	15.53	452.58	LR
LR-100	7/17/2013	468.11	15.31	452.80	LR
LR-100	9/30/2013	468.11	0.38	467.73	LR

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
LR-100	10/04/2013	468.11	16.72	451.39	LR
LR-100	5/31/2016	468.11	15.69	452.42	LR
LR-100	6/08/2016	468.11	15.92	452.19	LR
LR-100	8/22/2016	468.11	15.76	452.35	LR
LR-100	8/30/2016	468.11	15.72	452.39	LR
LR-100	11/07/2016	468.11	16.27	451.84	LR
LR-100	11/16/2016	468.11	16.11	452.00	LR
LR-100	2/06/2017	468.11	16.73	451.38	LR
LR-100	2/14/2017	468.11	16.86	451.25	LR
LR-100	5/01/2017	468.11	15.79	452.32	LR
LR-100	5/12/2017	468.11	15.50	452.61	LR
LR-102	10/18/1995	513.12	61.03	452.09	LR
LR-102	10/28/1995	513.12	59.45	453.67	LR
LR-102	11/08/1995	513.12	61.23	451.89	LR
LR-102	11/18/1995	513.12	61.14	451.98	LR
LR-102	12/15/1995	513.12	61.21	451.91	LR
LR-102	1/04/1996	513.12	61.24	451.88	LR
LR-102	2/05/1996	513.12	61.34	451.78	LR
LR-102	3/04/1996	513.12	61.30	451.82	LR
LR-102	4/03/1996	513.12	61.01	452.11	LR
LR-102	4/30/1996	513.12	61.23	451.89	LR
LR-102	5/03/1996	513.12	61.22	451.90	LR
LR-102	6/13/1996	513.12	59.32	453.80	LR
LR-102	7/12/1996	513.12	59.70	453.42	LR
LR-102	8/08/1996	513.12	60.35	452.77	LR
LR-102	9/06/1996	513.12	60.85	452.27	LR
LR-102	2/03/1997	513.12	60.39	452.73	LR
LR-102	5/09/1997	513.12	60.25	452.87	LR
LR-102	5/22/2000	513.12	59.73	453.39	LR
LR-103	10/28/1995	460.88	29.18	431.70	LR
LR-103	10/30/1995	460.88	29.15	431.73	LR
LR-103	11/18/1995	460.88	29.42	431.46	LR
LR-103	12/15/1995	460.88	29.96	430.92	LR
LR-103	1/04/1996	460.88	30.28	430.60	LR
LR-103	2/05/1996	460.88	30.70	430.18	LR
LR-103	3/04/1996	460.88	31.30	429.58	LR
LR-103	4/02/1996	460.88	31.57	429.31	LR
LR-103	4/30/1996	460.88	30.46	430.42	LR
LR-103	5/01/1996	460.88	30.87	430.01	LR
LR-103	5/02/1996	460.88	30.60	430.28	LR
LR-103	5/03/1996	460.88	30.53	430.35	LR
LR-103	6/13/1996	460.88	26.79	434.09	LR
LR-103	7/12/1996	460.88	27.03	433.85	LR
LR-103	8/08/1996	460.88	27.76	433.12	LR
LR-103	9/06/1996	460.88	28.55	432.33	LR

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
LR-103	2/04/1997	460.88	29.35	431.53	LR
LR-103	5/09/1997	460.88	27.05	433.83	LR
LR-103	5/22/2000	460.88	27.09	433.79	LR
LR-103	5/20/2002	460.88	29.10	431.78	LR
LR-103	11/18/2002	460.88	32.27	428.61	LR
LR-103	5/27/2003	460.88	33.66	427.22	LR
LR-103	11/19/2003	460.88	33.42	427.46	LR
LR-103	5/10/2004	460.88	31.63	429.25	LR
LR-103	11/16/2004	460.88	31.74	429.14	LR
LR-103	5/23/2005	460.88	31.45	429.43	LR
LR-103	7/30/2012	470.24	40.80	429.44	LR
LR-103	8/13/2012	470.24	40.83	429.41	LR
LR-103	11/26/2012	470.24	42.79	427.45	LR
LR-103	4/02/2013	470.24	42.95	427.29	LR
LR-103	4/03/2013	470.24	42.78	427.46	LR
LR-103	4/12/2013	470.24	42.85	427.39	LR
LR-103	7/08/2013	470.24	38.19	432.05	LR
LR-103	7/17/2013	470.24	37.73	432.51	LR
LR-103	9/30/2013	470.24	40.05	430.19	LR
LR-103	10/02/2013	470.24	40.04	430.20	LR
LR-103	5/27/2014	470.24	41.18	429.06	LR
LR-103	9/22/2014	470.24	39.70	430.54	LR
LR-103	11/18/2014	470.24	39.33	430.91	LR
LR-103	2/02/2015	470.24	40.87	429.37	LR
LR-103	5/12/2015	470.24	40.50	429.74	LR
LR-103	8/18/2015	470.24	35.90	434.34	LR
LR-103	11/16/2015	470.24	39.29	430.95	LR
LR-103	2/29/2016	470.24	37.11	433.13	LR
LR-103	5/31/2016	470.24	37.10	433.14	LR
LR-103	8/22/2016	470.24	37.70	432.54	LR
LR-103	8/25/2016	470.24	37.85	432.39	LR
LR-103	11/07/2016	470.24	38.05	432.19	LR
LR-103	2/06/2017	470.24	40.65	429.59	LR
LR-103	5/01/2017	470.24	39.46	430.78	LR
LR-103	8/28/2017	470.24	38.15	432.09	LR
LR-103	11/02/2017	470.24	39.64	430.60	LR
LR-103	2/14/2018	470.24	42.44	427.80	LR
LR-103	8/06/2018	470.24	239.35	230.89	LR
LR-103	11/13/2018	470.24	28.07	442.17	LR
LR-104	10/28/1995	459.33	27.69	431.64	LR
LR-104	11/18/1995	459.33	27.53	431.80	LR
LR-104	12/15/1995	459.33	28.38	430.95	LR
LR-104	1/04/1996	459.33	28.72	430.61	LR
LR-104	2/06/1996	459.33	29.17	430.16	LR
LR-104	3/05/1996	459.33	29.78	429.55	LR

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
LR-104	4/03/1996	459.33	29.91	429.42	LR
LR-104	4/30/1996	459.33	29.54	429.79	LR
LR-104	5/01/1996	459.33	29.42	429.91	LR
LR-104	5/02/1996	459.33	29.19	430.14	LR
LR-104	5/03/1996	459.33	29.14	430.19	LR
LR-104	6/13/1996	459.33	25.26	434.07	LR
LR-104	7/12/1996	459.33	25.58	433.75	LR
LR-104	8/08/1996	459.33	26.27	433.06	LR
LR-104	9/06/1996	459.33	27.03	432.30	LR
LR-104	2/04/1997	459.33	27.84	431.49	LR
LR-104	5/09/1997	459.33	25.60	433.73	LR
LR-104	8/11/1997	459.33	27.40	431.93	LR
LR-104	11/06/1997	459.33	28.33	431.00	LR
LR-104	2/10/1998	459.33	28.12	431.21	LR
LR-104	5/26/1998	459.33	25.45	433.88	LR
LR-104	11/09/1998	459.33	26.12	433.21	LR
LR-104	5/14/1999	459.33	25.47	433.86	LR
LR-104	11/19/1999	459.33	29.27	430.06	LR
LR-104	5/22/2000	459.33	30.94	428.39	LR
LR-104	5/20/2002	459.33	27.82	431.51	LR
LR-104	11/18/2002	459.33	30.31	429.02	LR
LR-104	5/27/2003	459.33	32.30	427.03	LR
LR-104	11/19/2003	459.33	31.78	427.55	LR
LR-104	5/10/2004	459.33	30.33	429.00	LR
LR-104	11/16/2004	459.33	30.02	429.31	LR
LR-104	5/23/2005	459.33	29.92	429.41	LR
LR-104	11/17/2005	459.33	31.23	428.10	LR
LR-104	5/31/2006	459.33	33.95	425.38	LR
LR-104	11/30/2006	459.33	34.20	425.13	LR
LR-104	5/31/2007	459.33	30.54	428.79	LR
LR-104	11/06/2007	459.33	30.33	429.00	LR
LR-104	5/06/2008	459.33	26.12	433.21	LR
LR-104	11/03/2008	459.33	26.60	432.73	LR
LR-104	5/05/2009	459.33	27.10	432.23	LR
LR-104	11/02/2009	459.33	25.48	433.85	LR
LR-104	5/18/2010	459.33	25.21	434.12	LR
LR-104	11/09/2010	459.33	26.68	432.65	LR
LR-104	5/09/2011	459.33	25.21	434.12	LR
LR-104	11/16/2011	459.33	27.14	432.19	LR
LR-104	5/09/2012	459.65	26.55	433.10	LR
LR-104	7/30/2012	459.65	29.78	429.87	LR
LR-104	8/13/2012	459.65	29.32	430.33	LR
LR-104	11/26/2012	459.65	31.42	428.23	LR
LR-104	4/02/2013	459.65	32.29	427.36	LR
LR-104	4/04/2013	459.65	31.31	428.34	LR

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
LR-104	4/12/2013	459.65	31.62	428.03	LR
LR-104	7/08/2013	459.65	26.97	432.68	LR
LR-104	7/22/2013	459.65	26.55	433.10	LR
LR-104	9/30/2013	459.65	29.53	430.12	LR
LR-104	10/02/2013	459.65	28.66	430.99	LR
LR-104	5/27/2014	459.65	30.79	428.86	LR
LR-104	9/22/2014	459.65	28.45	431.20	LR
LR-104	11/18/2014	459.65	32.32	427.33	LR
LR-104	2/02/2015	459.65	33.90	425.75	LR
LR-104	5/12/2015	459.65	33.55	426.10	LR
LR-104	8/18/2015	459.65	28.95	430.70	LR
LR-104	11/16/2015	459.65	32.35	427.30	LR
LR-104	2/29/2016	459.65	30.20	429.45	LR
LR-104	5/31/2016	459.65	NA	NA	LR
LR-105	10/18/1995	486.39	34.26	452.13	LR
LR-105	10/28/1995	486.39	34.98	451.41	LR
LR-105	11/08/1995	486.39	34.24	452.15	LR
LR-105	11/18/1995	486.39	34.35	452.04	LR
LR-105	12/15/1995	486.39	34.41	451.98	LR
LR-105	1/04/1996	486.39	33.40	452.99	LR
LR-105	2/05/1996	486.39	33.39	453.00	LR
LR-105	3/04/1996	486.39	33.18	453.21	LR
LR-105	4/03/1996	486.39	33.09	453.30	LR
LR-105	4/30/1996	486.39	33.40	452.99	LR
LR-105	6/13/1996	486.39	33.18	453.21	LR
LR-105	7/12/1996	486.39	33.08	453.31	LR
LR-105	8/08/1996	486.39	33.95	452.44	LR
LR-105	9/06/1996	486.39	33.18	453.21	LR
LR-105	2/04/1997	486.39	33.00	453.39	LR
LR-105	5/09/1997	486.39	32.62	453.77	LR
LR-105	5/22/2000	486.39	33.21	453.18	LR
LR-105	7/30/2012	485.21	31.63	453.58	LR
LR-105	8/01/2012	485.21	31.30	453.91	LR
LR-105	4/02/2013	485.21	32.78	452.43	LR
LR-105	4/03/2013	485.21	31.45	453.76	LR
LR-105	7/08/2013	485.21	30.74	454.47	LR
LR-105	7/17/2013	485.21	30.52	454.69	LR
LR-105	8/30/2013	485.21	31.39	453.82	LR
LR-105	9/30/2013	485.21	31.64	453.57	LR
LR-105	5/31/2016	485.21	30.46	454.75	LR
LR-105	6/09/2016	485.21	30.55	454.66	LR
F-1-S	6/18/1993	460.95	25.00	435.95	AS
F-1-S	11/22/1994	460.95	31.11	429.84	AS
F-1-S	12/29/1994	460.95	31.00	429.95	AS
F-1-S	1/30/1995	460.95	30.26	430.69	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
F-1-S	3/03/1995	460.95	30.42	430.53	AS
F-1-S	3/30/1995	460.95	30.42	430.53	AS
F-1-S	4/28/1995	460.95	30.05	430.90	AS
F-1-S	5/26/1995	460.95	25.74	435.21	AS
F-1-S	6/30/1995	460.95	26.05	434.90	AS
F-1-S	7/28/1995	460.95	26.32	434.63	AS
F-1-S	8/31/1995	460.95	27.06	433.89	AS
F-1-S	10/02/1995	460.95	28.52	432.43	AS
F-1-S	10/31/1995	460.95	29.26	431.69	AS
F-1-S	11/30/1995	460.95	29.58	431.37	AS
F-1-S	1/05/1996	460.95	30.31	430.64	AS
F-1-S	4/02/1996	460.95	31.69	429.26	AS
F-1-S	7/05/1996	460.95	26.99	433.96	AS
F-3	11/22/1994	468.83	38.96	429.87	AS
F-3	12/29/1994	468.83	38.97	429.86	AS
F-3	1/30/1995	468.83	38.09	430.74	AS
F-3	3/03/1995	468.83	38.00	430.83	AS
F-3	3/30/1995	468.83	38.29	430.54	AS
F-3	4/28/1995	468.83	38.06	430.77	AS
F-3	5/26/1995	468.83	32.31	436.52	AS
F-3	6/30/1995	468.83	32.94	435.89	AS
F-3	7/28/1995	468.83	36.62	432.21	AS
F-3	8/31/1995	468.83	34.47	434.36	AS
F-3	10/02/1995	468.83	36.21	432.62	AS
F-3	10/31/1995	468.83	37.02	431.81	AS
F-3	11/30/1995	468.83	37.61	431.22	AS
F-3	1/05/1996	468.83	38.39	430.44	AS
F-3	4/02/1996	468.83	39.60	429.23	AS
F-3	7/05/1996	468.83	34.33	434.50	AS
MW-101	11/22/1994	446.43	16.68	429.75	AS
MW-101	12/29/1994	446.43	16.73	429.70	AS
MW-101	1/30/1995	446.43	15.91	430.52	AS
MW-101	3/03/1995	446.43	16.13	430.30	AS
MW-101	3/30/1995	446.43	16.11	430.32	AS
MW-101	4/28/1995	446.43	15.67	430.76	AS
MW-101	5/26/1995	446.43	10.51	435.92	AS
MW-101	8/31/1995	446.43	12.20	434.23	AS
MW-101	10/02/1995	446.43	13.91	432.52	AS
MW-101	10/31/1995	446.43	14.67	431.76	AS
MW-101	11/30/1995	446.43	15.29	431.14	AS
MW-101	1/05/1996	446.43	16.04	430.39	AS
MW-101	4/02/1996	446.43	17.37	429.06	AS
MW-101	7/05/1996	446.43	12.02	434.41	AS
MW-102	4/17/1990	447.78	18.18	429.60	AS
MW-102	4/17/1991	447.78	19.37	428.41	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
MW-102	11/22/1994	447.78	17.95	429.83	AS
MW-102	12/29/1994	447.78	18.00	429.78	AS
MW-102	1/30/1995	447.78	17.18	430.60	AS
MW-102	3/03/1995	447.78	17.41	430.37	AS
MW-102	3/30/1995	447.78	17.38	430.40	AS
MW-102	4/28/1995	447.78	16.91	430.87	AS
MW-102	5/26/1995	447.78	11.64	436.14	AS
MW-102	6/30/1995	447.78	12.31	435.47	AS
MW-102	7/28/1995	447.78	12.81	434.97	AS
MW-102	8/31/1995	447.78	13.70	434.08	AS
MW-102	10/02/1995	447.78	15.32	432.46	AS
MW-102	10/31/1995	447.78	16.06	431.72	AS
MW-102	11/30/1995	447.78	18.58	429.20	AS
MW-102	12/15/1995	447.78	16.24	431.54	AS
MW-102	1/05/1996	447.78	17.16	430.62	AS
MW-102	2/05/1996	447.78	17.00	430.78	AS
MW-102	3/04/1996	447.78	17.62	430.16	AS
MW-102	4/02/1996	447.78	17.87	429.91	AS
MW-102	4/30/1996	447.78	16.84	430.94	AS
MW-102	5/03/1996	447.78	16.28	431.50	AS
MW-102	6/13/1996	447.78	12.32	435.46	AS
MW-102	7/05/1996	447.78	13.47	434.31	AS
MW-102	7/12/1996	447.78	12.90	434.88	AS
MW-102	8/08/1996	447.78	13.56	434.22	AS
MW-102	9/06/1996	447.78	14.54	433.24	AS
MW-102	2/03/1997	447.78	15.72	432.06	AS
MW-102	5/09/1997	447.78	12.78	435.00	AS
MW-102	5/22/2000	447.78	17.13	430.65	AS
MW-102	3/23/2004	447.78	20.07	427.71	AS
MW-102	3/25/2004	447.78	19.79	427.99	AS
MW-102	5/10/2004	447.78	19.10	428.68	AS
MW-102	5/12/2004	447.78	18.83	428.95	AS
MW-102	7/30/2012	447.83	18.87	428.96	AS
MW-102	8/07/2012	447.83	18.79	429.04	AS
MW-102	4/02/2013	447.83	20.53	427.30	AS
MW-102	4/05/2013	447.83	20.17	427.66	AS
MW-102	7/08/2013	447.83	15.22	432.61	AS
MW-102	7/15/2013	447.83	15.24	432.59	AS
MW-102	9/30/2013	447.83	18.26	429.57	AS
MW-102	10/03/2013	447.83	18.05	429.78	AS
MW-103	4/17/1990	439.91	9.94	429.97	AS
MW-103	4/17/1991	439.91	11.07	428.84	AS
MW-103	11/22/1994	439.91	9.72	430.19	AS
MW-103	12/29/1994	439.91	9.91	430.00	AS
MW-103	1/30/1995	439.91	9.01	430.90	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
MW-103	3/03/1995	439.91	9.43	430.48	AS
MW-103	3/30/1995	439.91	9.37	430.54	AS
MW-103	4/28/1995	439.91	8.79	431.12	AS
MW-103	5/26/1995	439.91	5.15	434.76	AS
MW-103	6/30/1995	439.91	5.39	434.52	AS
MW-103	7/28/1995	439.91	5.34	434.57	AS
MW-103	8/31/1995	439.91	6.22	433.69	AS
MW-103	10/02/1995	439.91	7.57	432.34	AS
MW-103	10/31/1995	439.91	8.25	431.66	AS
MW-103	11/30/1995	439.91	8.49	431.42	AS
MW-103	12/15/1995	439.91	7.87	432.04	AS
MW-103	1/05/1996	439.91	9.26	430.65	AS
MW-103	2/06/1996	439.91	8.96	430.95	AS
MW-103	4/02/1996	439.91	9.76	430.15	AS
MW-103	4/30/1996	439.91	8.41	431.50	AS
MW-103	5/02/1996	439.91	7.97	431.94	AS
MW-103	5/03/1996	439.91	7.85	432.06	AS
MW-103	6/13/1996	439.91	5.09	434.82	AS
MW-103	7/05/1996	439.91	6.51	433.40	AS
MW-103	7/12/1996	439.91	5.29	434.62	AS
MW-103	8/08/1996	439.91	5.97	433.94	AS
MW-103	9/06/1996	439.91	6.77	433.14	AS
MW-103	2/03/1997	439.91	7.51	432.40	AS
MW-103	5/09/1997	439.91	5.27	434.64	AS
MW-103	5/22/2000	439.91	10.65	429.26	AS
MW-103	7/30/2012	438.92	11.35	427.57	AS
MW-103	8/11/2012	438.92	9.62	429.30	AS
MW-103	4/02/2013	438.92	13.29	425.63	AS
MW-103	7/08/2013	438.92	6.87	432.05	AS
MW-103	7/15/2013	438.92	6.59	432.33	AS
MW-103	9/30/2013	438.92	9.32	429.60	AS
MW-103	10/04/2013	438.92	8.96	429.96	AS
MW-103	11/07/2016	438.92	6.51	432.41	AS
MW-103	2/06/2017	438.92	9.61	429.31	AS
MW-103	5/01/2017	438.92	6.95	431.97	AS
MW-104	4/17/1990	440.56	10.27	430.29	AS
MW-104	4/17/1991	440.56	11.35	429.21	AS
MW-104	11/22/1994	440.56	10.33	430.23	AS
MW-104	12/29/1994	440.56	10.43	430.13	AS
MW-104	1/30/1995	440.56	9.48	431.08	AS
MW-104	3/03/1995	440.56	9.98	430.58	AS
MW-104	3/30/1995	440.56	9.93	430.63	AS
MW-104	4/28/1995	440.56	9.33	431.23	AS
MW-104	5/26/1995	440.56	5.72	434.84	AS
MW-104	6/30/1995	440.56	6.11	434.45	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
MW-104	7/28/1995	440.56	6.13	434.43	AS
MW-104	8/31/1995	440.56	6.95	433.61	AS
MW-104	10/02/1995	440.56	8.27	432.29	AS
MW-104	10/31/1995	440.56	8.95	431.61	AS
MW-104	11/30/1995	440.56	9.06	431.50	AS
MW-104	12/13/1995	440.56	8.30	432.26	AS
MW-104	1/05/1996	440.56	9.71	430.85	AS
MW-104	2/06/1996	440.56	9.40	431.16	AS
MW-104	3/05/1996	440.56	10.04	430.52	AS
MW-104	4/02/1996	440.56	10.19	430.37	AS
MW-104	4/30/1996	440.56	9.06	431.50	AS
MW-104	5/03/1996	440.56	8.86	431.70	AS
MW-104	6/13/1996	440.56	5.64	434.92	AS
MW-104	7/05/1996	440.56	6.78	433.78	AS
MW-104	7/12/1996	440.56	5.98	434.58	AS
MW-104	8/08/1996	440.56	6.63	433.93	AS
MW-104	9/06/1996	440.56	7.39	433.17	AS
MW-104	2/03/1997	440.56	7.82	432.74	AS
MW-104	5/09/1997	440.56	5.90	434.66	AS
MW-104	5/22/2000	440.56	11.13	429.43	AS
MW-104	7/30/2012	440.81	11.39	429.42	AS
MW-104	8/09/2012	440.81	11.04	429.77	AS
MW-104	4/02/2013	440.81	13.11	427.70	AS
MW-104	4/05/2013	440.81	12.74	428.07	AS
MW-104	7/08/2013	440.81	8.13	432.68	AS
MW-104	7/16/2013	440.81	8.22	432.59	AS
MW-104	9/30/2013	440.81	10.69	430.12	AS
MW-104	10/03/2013	440.81	10.55	430.26	AS
MW-104	5/31/2016	440.81	7.78	433.03	AS
MW-104	8/22/2016	440.81	8.35	432.46	AS
MW-104	8/26/2016	440.81	8.50	432.31	AS
MW-104	11/07/2016	440.81	8.39	432.42	AS
MW-104	11/16/2016	440.81	9.03	431.78	AS
MW-104	2/06/2017	440.81	11.19	429.62	AS
MW-104	2/13/2017	440.81	11.49	429.32	AS
MW-104	5/01/2017	440.81	9.14	431.67	AS
MW-106	11/22/1994	NA	12.85	NA	AS
MW-106	12/29/1994	NA	12.90	NA	AS
MW-106	1/30/1995	NA	12.28	NA	AS
MW-106	3/03/1995	NA	12.45	NA	AS
MW-106	3/30/1995	NA	12.44	NA	AS
MW-106	4/28/1995	NA	12.07	NA	AS
MW-106	5/26/1995	NA	8.39	NA	AS
MW-106	6/30/1995	NA	8.36	NA	AS
MW-106	7/28/1995	NA	8.56	NA	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
MW-106	8/31/1995	NA	9.27	NA	AS
MW-106	10/02/1995	NA	NA	NA	AS
MW-107	11/22/1994	447.74	5.13	442.61	AS
MW-107	12/29/1994	447.74	5.44	442.30	AS
MW-107	1/30/1995	447.74	4.53	443.21	AS
MW-107	3/03/1995	447.74	5.36	442.38	AS
MW-107	3/30/1995	447.74	5.10	442.64	AS
MW-107	4/28/1995	447.74	5.26	442.48	AS
MW-107	6/30/1995	447.74	4.71	443.03	AS
MW-107	7/28/1995	447.74	5.57	442.17	AS
MW-107	8/31/1995	447.74	6.06	441.68	AS
MW-107	10/02/1995	447.74	8.39	439.35	AS
MW-107	10/31/1995	447.74	9.07	438.67	AS
MW-107	11/30/1995	447.74	6.36	441.38	AS
MW-107	1/05/1996	447.74	5.99	441.75	AS
MW-107	4/02/1996	447.74	5.68	442.06	AS
MW-107	7/05/1996	447.74	6.17	441.57	AS
MW-1201	5/13/1993	482.44	139.12	343.32	AS
MW-1201	5/21/1993	482.44	141.85	340.59	AS
MW-1201	5/24/1993	482.44	138.02	344.42	AS
MW-1201	5/26/1993	482.44	137.29	345.15	AS
MW-1201	6/15/1993	482.44	135.80	346.64	AS
MW-1201	6/18/1993	482.44	141.65	340.79	AS
MW-1201	11/25/1997	482.44	108.20	374.24	AS
MW-1201	2/12/1998	482.44	79.59	402.85	AS
MW-1205	5/12/1993	386.37	56.93	329.44	AS
MW-1205	5/13/1993	386.37	56.83	329.54	AS
MW-1205	5/21/1993	386.37	114.70	271.67	AS
MW-1205	5/26/1993	386.37	101.06	285.31	AS
MW-1205	5/28/1993	386.37	96.35	290.02	AS
MW-1205	6/15/1993	386.37	68.68	317.69	AS
MW-1206	5/12/1993	388.08	53.75	334.33	AS
MW-1206	5/13/1993	388.08	50.76	337.32	AS
MW-1206	5/21/1993	388.08	55.05	333.03	AS
MW-1206	5/26/1993	388.08	55.75	332.33	AS
MW-1206	5/28/1993	388.08	55.65	332.43	AS
MW-1206	6/15/1993	388.08	53.99	334.09	AS
PZ-112-AS	5/25/1995	459.43	24.73	434.70	AS
PZ-112-AS	6/07/1995	459.43	23.71	435.72	AS
PZ-112-AS	7/10/1995	459.43	24.56	434.87	AS
PZ-112-AS	7/26/1995	459.43	24.71	434.72	AS
PZ-112-AS	8/04/1995	459.43	24.70	434.73	AS
PZ-112-AS	8/15/1995	459.43	24.75	434.68	AS
PZ-112-AS	8/26/1995	459.43	25.16	434.27	AS
PZ-112-AS	9/30/1995	459.43	26.99	432.44	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-112-AS	10/28/1995	459.43	27.70	431.73	AS
PZ-112-AS	11/18/1995	459.43	27.99	431.44	AS
PZ-112-AS	12/14/1995	459.43	28.68	430.75	AS
PZ-112-AS	1/04/1996	459.43	28.78	430.65	AS
PZ-112-AS	2/06/1996	459.43	29.37	430.06	AS
PZ-112-AS	3/05/1996	459.43	30.63	428.80	AS
PZ-112-AS	4/03/1996	459.43	30.30	429.13	AS
PZ-112-AS	4/30/1996	459.43	29.60	429.83	AS
PZ-112-AS	5/01/1996	459.43	29.42	430.01	AS
PZ-112-AS	5/02/1996	459.43	29.19	430.24	AS
PZ-112-AS	5/03/1996	459.43	29.10	430.33	AS
PZ-112-AS	6/13/1996	459.43	25.20	434.23	AS
PZ-112-AS	7/12/1996	459.43	25.52	433.91	AS
PZ-112-AS	8/08/1996	459.43	26.22	433.21	AS
PZ-112-AS	9/06/1996	459.43	27.10	432.33	AS
PZ-112-AS	2/04/1997	459.43	28.00	431.43	AS
PZ-112-AS	5/09/1997	459.43	25.39	434.04	AS
PZ-112-AS	8/11/1997	459.43	27.46	431.97	AS
PZ-112-AS	11/06/1997	459.43	28.54	430.89	AS
PZ-112-AS	2/09/1998	459.43	28.31	431.12	AS
PZ-112-AS	5/26/1998	459.43	25.19	434.24	AS
PZ-112-AS	11/09/1998	459.43	25.98	433.45	AS
PZ-112-AS	5/14/1999	459.43	25.34	434.09	AS
PZ-112-AS	11/19/1999	459.43	29.43	430.00	AS
PZ-112-AS	5/22/2000	459.43	30.75	428.68	AS
PZ-112-AS	5/27/2003	459.43	31.60	427.83	AS
PZ-112-AS	11/19/2003	459.43	31.38	428.05	AS
PZ-112-AS	5/10/2004	459.43	29.74	429.69	AS
PZ-112-AS	11/16/2004	459.43	33.25	426.18	AS
PZ-112-AS	5/23/2005	459.43	33.00	426.43	AS
PZ-112-AS	11/17/2005	459.43	34.61	424.82	AS
PZ-112-AS	5/31/2006	459.43	36.98	422.45	AS
PZ-112-AS	11/30/2006	459.43	37.40	422.03	AS
PZ-112-AS	5/31/2007	459.43	34.05	425.38	AS
PZ-112-AS	11/06/2007	459.43	33.86	425.57	AS
PZ-112-AS	5/06/2008	459.43	29.51	429.92	AS
PZ-112-AS	11/03/2008	459.43	29.78	429.65	AS
PZ-112-AS	5/05/2009	459.43	30.61	428.82	AS
PZ-112-AS	11/02/2009	459.43	28.55	430.88	AS
PZ-112-AS	5/18/2010	459.43	28.28	431.15	AS
PZ-112-AS	11/09/2010	459.43	29.98	429.45	AS
PZ-112-AS	5/09/2011	459.43	28.27	431.16	AS
PZ-112-AS	11/16/2011	459.43	30.23	429.20	AS
PZ-112-AS	5/09/2012	462.13	32.23	429.90	AS
PZ-112-AS	7/30/2012	462.13	32.81	429.32	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-112-AS	11/26/2012	462.13	34.86	427.27	AS
PZ-112-AS	4/02/2013	462.13	35.12	427.01	AS
PZ-112-AS	4/12/2013	462.13	35.09	427.04	AS
PZ-112-AS	7/08/2013	462.13	29.33	432.80	AS
PZ-112-AS	9/30/2013	462.13	32.11	430.02	AS
PZ-112-AS	5/27/2014	462.13	34.15	427.98	AS
PZ-112-AS	9/22/2014	462.13	31.70	430.43	AS
PZ-112-AS	11/18/2014	462.13	31.32	430.81	AS
PZ-112-AS	2/02/2015	462.13	32.72	429.41	AS
PZ-112-AS	5/12/2015	462.13	32.43	429.70	AS
PZ-112-AS	8/18/2015	462.13	27.29	434.84	AS
PZ-112-AS	11/16/2015	462.13	31.22	430.91	AS
PZ-112-AS	2/29/2016	462.13	28.75	433.38	AS
PZ-112-AS	5/31/2016	462.13	28.83	433.30	AS
PZ-112-AS	8/22/2016	462.13	29.38	432.75	AS
PZ-112-AS	8/31/2016	462.13	29.75	432.38	AS
PZ-112-AS	11/07/2016	462.13	29.90	432.23	AS
PZ-112-AS	2/06/2017	462.13	32.59	429.54	AS
PZ-112-AS	5/01/2017	462.13	31.45	430.68	AS
PZ-112-AS	8/28/2017	462.13	29.95	432.18	AS
PZ-112-AS	11/02/2017	462.13	31.57	430.56	AS
PZ-112-AS	2/14/2018	462.13	NA	NA	AS
PZ-112-AS	8/06/2018	462.13	NA	NA	AS
PZ-112-AS	11/13/2018	462.13	Dry	Dry	AS
PZ-113-AS	4/21/1995	461.02	30.66	430.36	AS
PZ-113-AS	5/06/1995	461.02	29.68	431.34	AS
PZ-113-AS	5/16/1995	461.02	28.63	432.39	AS
PZ-113-AS	5/20/1995	461.02	26.65	434.37	AS
PZ-113-AS	5/24/1995	461.02	25.71	435.31	AS
PZ-113-AS	5/31/1995	461.02	25.05	435.97	AS
PZ-113-AS	6/07/1995	461.02	25.05	435.97	AS
PZ-113-AS	6/27/1995	461.02	25.78	435.24	AS
PZ-113-AS	7/11/1995	461.02	25.98	435.04	AS
PZ-113-AS	7/26/1995	461.02	26.12	434.90	AS
PZ-113-AS	8/13/1995	461.02	26.25	434.77	AS
PZ-113-AS	8/26/1995	461.02	26.79	434.23	AS
PZ-113-AS	9/30/1995	461.02	28.51	432.51	AS
PZ-113-AS	10/28/1995	461.02	29.23	431.79	AS
PZ-113-AS	11/18/1995	461.02	29.61	431.41	AS
PZ-113-AS	12/14/1995	461.02	30.24	430.78	AS
PZ-113-AS	12/20/1995	461.02	30.12	430.90	AS
PZ-113-AS	12/24/1995	461.02	30.05	430.97	AS
PZ-113-AS	12/26/1995	461.02	30.11	430.91	AS
PZ-113-AS	12/31/1995	461.02	30.18	430.84	AS
PZ-113-AS	1/04/1996	461.02	30.35	430.67	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-113-AS	2/06/1996	461.02	30.95	430.07	AS
PZ-113-AS	3/04/1996	461.02	31.49	429.53	AS
PZ-113-AS	4/03/1996	461.02	31.94	429.08	AS
PZ-113-AS	4/30/1996	461.02	31.12	429.90	AS
PZ-113-AS	5/01/1996	461.02	30.92	430.10	AS
PZ-113-AS	5/02/1996	461.02	30.71	430.31	AS
PZ-113-AS	5/03/1996	461.02	30.63	430.39	AS
PZ-113-AS	6/13/1996	461.02	28.68	432.34	AS
PZ-113-AS	7/12/1996	461.02	27.03	433.99	AS
PZ-113-AS	8/08/1996	461.02	27.77	433.25	AS
PZ-113-AS	9/06/1996	461.02	28.66	432.36	AS
PZ-113-AS	2/03/1997	461.02	29.60	431.42	AS
PZ-113-AS	5/09/1997	461.02	26.91	434.11	AS
PZ-113-AS	8/11/1997	461.02	29.06	431.96	AS
PZ-113-AS	11/06/1997	461.02	30.15	430.87	AS
PZ-113-AS	2/10/1998	461.02	29.92	431.10	AS
PZ-113-AS	5/26/1998	461.02	26.68	434.34	AS
PZ-113-AS	11/09/1998	461.02	27.57	433.45	AS
PZ-113-AS	5/14/1999	461.02	26.84	434.18	AS
PZ-113-AS	5/22/2000	461.02	32.75	428.27	AS
PZ-113-AS	5/20/2002	461.02	29.29	431.73	AS
PZ-113-AS	11/18/2002	461.02	32.26	428.76	AS
PZ-113-AS	5/27/2003	461.02	33.96	427.06	AS
PZ-113-AS	11/19/2003	461.02	33.67	427.35	AS
PZ-113-AS	5/10/2004	461.02	32.04	428.98	AS
PZ-113-AS	11/16/2004	461.02	31.90	429.12	AS
PZ-113-AS	5/23/2005	461.02	31.69	429.33	AS
PZ-113-AS	11/17/2005	461.02	33.29	427.73	AS
PZ-113-AS	5/31/2006	461.02	35.55	425.47	AS
PZ-113-AS	11/30/2006	461.02	36.15	424.87	AS
PZ-113-AS	5/31/2007	461.02	32.80	428.22	AS
PZ-113-AS	11/06/2007	461.02	32.54	428.48	AS
PZ-113-AS	5/06/2008	461.02	28.26	432.76	AS
PZ-113-AS	11/03/2008	461.02	28.42	432.60	AS
PZ-113-AS	5/05/2009	461.02	29.30	431.72	AS
PZ-113-AS	11/02/2009	461.02	27.12	433.90	AS
PZ-113-AS	5/18/2010	461.02	26.90	434.12	AS
PZ-113-AS	11/09/2010	461.02	28.72	432.30	AS
PZ-113-AS	5/09/2011	461.02	27.02	434.00	AS
PZ-113-AS	11/16/2011	461.02	29.18	431.84	AS
PZ-113-AS	5/09/2012	461.78	29.07	432.71	AS
PZ-113-AS	7/30/2012	461.78	32.33	429.45	AS
PZ-113-AS	11/26/2012	461.78	33.80	427.98	AS
PZ-113-AS	4/02/2013	461.78	34.76	427.02	AS
PZ-113-AS	4/12/2013	461.78	33.98	427.80	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-113-AS	7/08/2013	461.78	28.83	432.95	AS
PZ-113-AS	9/30/2013	461.78	31.68	430.10	AS
PZ-113-AS	5/27/2014	461.78	33.30	428.48	AS
PZ-113-AS	9/22/2014	461.78	30.80	430.98	AS
PZ-113-AS	11/18/2014	461.78	30.40	431.38	AS
PZ-113-AS	2/02/2015	461.78	31.84	429.94	AS
PZ-113-AS	5/12/2015	461.78	31.55	430.23	AS
PZ-113-AS	8/18/2015	461.78	26.24	435.54	AS
PZ-113-AS	11/16/2015	461.78	30.25	431.53	AS
PZ-113-AS	2/29/2016	461.78	27.80	433.98	AS
PZ-113-AS	5/31/2016	461.78	27.90	433.88	AS
PZ-113-AS	8/22/2016	461.78	28.50	433.28	AS
PZ-113-AS	8/31/2016	461.78	28.82	432.96	AS
PZ-113-AS	11/07/2016	461.78	28.98	432.80	AS
PZ-113-AS	2/06/2017	461.78	31.69	430.09	AS
PZ-113-AS	5/01/2017	461.78	30.65	431.13	AS
PZ-113-AS	8/28/2017	461.78	29.13	432.65	AS
PZ-113-AS	11/02/2017	461.78	30.10	431.68	AS
PZ-113-AS	2/14/2018	461.78	NA	NA	AS
PZ-113-AS	8/06/2018	461.78	30.32	431.46	AS
PZ-113-AS	11/13/2018	461.78	29.21	432.57	AS
PZ-114-AS	5/05/1995	450.91	19.38	431.53	AS
PZ-114-AS	5/18/1995	450.91	15.81	435.10	AS
PZ-114-AS	5/24/1995	450.91	15.85	435.06	AS
PZ-114-AS	5/25/1995	450.91	14.90	436.01	AS
PZ-114-AS	5/27/1995	450.91	14.65	436.26	AS
PZ-114-AS	5/30/1995	450.91	14.73	436.18	AS
PZ-114-AS	5/31/1995	450.91	14.76	436.15	AS
PZ-114-AS	6/07/1995	450.91	14.58	436.33	AS
PZ-114-AS	6/21/1995	450.91	15.17	435.74	AS
PZ-114-AS	6/27/1995	450.91	15.31	435.60	AS
PZ-114-AS	7/10/1995	450.91	15.72	435.19	AS
PZ-114-AS	7/26/1995	450.91	15.96	434.95	AS
PZ-114-AS	8/15/1995	450.91	15.99	434.92	AS
PZ-114-AS	8/26/1995	450.91	16.41	434.50	AS
PZ-114-AS	9/30/1995	450.91	18.25	432.66	AS
PZ-114-AS	10/28/1995	450.91	19.20	431.71	AS
PZ-114-AS	11/18/1995	450.91	19.38	431.53	AS
PZ-114-AS	12/14/1995	450.91	20.08	430.83	AS
PZ-114-AS	1/04/1996	450.91	20.11	430.80	AS
PZ-114-AS	2/06/1996	450.91	20.64	430.27	AS
PZ-114-AS	3/04/1996	450.91	21.22	429.69	AS
PZ-114-AS	4/03/1996	450.91	21.38	429.53	AS
PZ-114-AS	4/30/1996	450.91	19.84	431.07	AS
PZ-114-AS	5/01/1996	450.91	19.90	431.01	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-114-AS	5/02/1996	450.91	19.81	431.10	AS
PZ-114-AS	5/03/1996	450.91	19.71	431.20	AS
PZ-114-AS	6/13/1996	450.91	16.13	434.78	AS
PZ-114-AS	7/12/1996	450.91	16.85	434.06	AS
PZ-114-AS	8/08/1996	450.91	17.56	433.35	AS
PZ-114-AS	9/06/1996	450.91	18.52	432.39	AS
PZ-114-AS	2/04/1997	450.91	18.89	432.02	AS
PZ-114-AS	5/09/1997	450.91	16.62	434.29	AS
PZ-114-AS	8/11/1997	450.91	18.91	432.00	AS
PZ-114-AS	11/06/1997	450.91	19.98	430.93	AS
PZ-114-AS	2/09/1998	450.91	19.73	431.18	AS
PZ-114-AS	5/26/1998	450.91	15.88	435.03	AS
PZ-114-AS	11/09/1998	450.91	17.43	433.48	AS
PZ-114-AS	5/14/1999	450.91	16.02	434.89	AS
PZ-114-AS	5/22/2000	450.91	22.45	428.46	AS
PZ-114-AS	5/15/2001	450.91	21.14	429.77	AS
PZ-114-AS	11/07/2001	450.91	21.08	429.83	AS
PZ-114-AS	5/20/2002	450.91	17.55	433.36	AS
PZ-114-AS	11/18/2002	450.91	21.66	429.25	AS
PZ-114-AS	5/27/2003	450.91	23.67	427.24	AS
PZ-114-AS	11/19/2003	450.91	23.01	427.90	AS
PZ-114-AS	5/10/2004	450.91	21.76	429.15	AS
PZ-114-AS	11/16/2004	450.91	21.42	429.49	AS
PZ-114-AS	5/23/2005	450.91	21.30	429.61	AS
PZ-114-AS	11/17/2005	450.91	22.70	428.21	AS
PZ-114-AS	5/31/2006	450.91	25.48	425.43	AS
PZ-114-AS	11/30/2006	450.91	25.95	424.96	AS
PZ-114-AS	5/31/2007	450.91	23.25	427.66	AS
PZ-114-AS	11/06/2007	450.91	22.31	428.60	AS
PZ-114-AS	5/06/2008	450.91	17.85	433.06	AS
PZ-114-AS	11/03/2008	450.91	18.04	432.87	AS
PZ-114-AS	5/05/2009	450.91	19.09	431.82	AS
PZ-114-AS	11/02/2009	450.91	15.78	435.13	AS
PZ-114-AS	5/18/2010	450.91	15.91	435.00	AS
PZ-114-AS	11/09/2010	450.91	18.52	432.39	AS
PZ-114-AS	5/09/2011	450.91	15.90	435.01	AS
PZ-114-AS	11/16/2011	450.91	18.94	431.97	AS
PZ-114-AS	5/09/2012	451.74	18.28	433.46	AS
PZ-114-AS	7/30/2012	451.74	22.23	429.51	AS
PZ-114-AS	11/26/2012	451.74	23.40	428.34	AS
PZ-114-AS	4/02/2013	451.74	24.25	427.49	AS
PZ-114-AS	4/12/2013	451.74	23.37	428.37	AS
PZ-114-AS	7/08/2013	451.74	18.27	433.47	AS
PZ-114-AS	9/30/2013	451.74	21.42	430.32	AS
PZ-114-AS	5/28/2014	451.74	22.83	428.91	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-114-AS	9/22/2014	451.74	20.51	431.23	AS
PZ-114-AS	11/18/2014	451.74	19.97	431.77	AS
PZ-114-AS	2/02/2015	451.74	21.10	430.64	AS
PZ-114-AS	5/12/2015	451.74	20.77	430.97	AS
PZ-114-AS	8/18/2015	451.74	14.52	437.22	AS
PZ-114-AS	11/16/2015	451.74	19.52	432.22	AS
PZ-114-AS	2/29/2016	451.74	16.58	435.16	AS
PZ-114-AS	5/31/2016	451.74	16.78	434.96	AS
PZ-114-AS	8/22/2016	451.74	17.48	434.26	AS
PZ-114-AS	11/07/2016	451.74	18.01	433.73	AS
PZ-114-AS	2/06/2017	451.74	20.85	430.89	AS
PZ-114-AS	5/01/2017	451.74	18.25	433.49	AS
PZ-114-AS	8/28/2017	451.74	18.53	433.21	AS
PZ-114-AS	11/02/2017	451.74	20.15	431.59	AS
PZ-114-AS	2/14/2018	451.74	22.74	429.00	AS
PZ-114-AS	8/06/2018	451.74	20.13	431.61	AS
PZ-114-AS	11/13/2018	451.74	18.75	432.99	AS
PZ-205-AS	6/06/1995	460.59	27.33	433.26	AS
PZ-205-AS	6/07/1995	460.59	26.25	434.34	AS
PZ-205-AS	6/27/1995	460.59	26.58	434.01	AS
PZ-205-AS	7/05/1995	460.59	26.59	434.00	AS
PZ-205-AS	7/10/1995	460.59	26.59	434.00	AS
PZ-205-AS	7/26/1995	460.59	26.66	433.93	AS
PZ-205-AS	8/08/1995	460.59	26.34	434.25	AS
PZ-205-AS	8/15/1995	460.59	26.64	433.95	AS
PZ-205-AS	8/26/1995	460.59	26.93	433.66	AS
PZ-205-AS	9/30/1995	460.59	28.47	432.12	AS
PZ-205-AS	10/28/1995	460.59	29.09	431.50	AS
PZ-205-AS	11/18/1995	460.59	29.33	431.26	AS
PZ-205-AS	12/15/1995	460.59	29.80	430.79	AS
PZ-205-AS	1/04/1996	460.59	30.01	430.58	AS
PZ-205-AS	2/06/1996	460.59	30.45	430.14	AS
PZ-205-AS	3/05/1996	460.59	29.95	430.64	AS
PZ-205-AS	4/02/1996	460.59	31.14	429.45	AS
PZ-205-AS	4/30/1996	460.59	30.65	429.94	AS
PZ-205-AS	5/01/1996	460.59	30.54	430.05	AS
PZ-205-AS	5/02/1996	460.59	30.39	430.20	AS
PZ-205-AS	5/03/1996	460.59	30.31	430.28	AS
PZ-205-AS	6/13/1996	460.59	27.20	433.39	AS
PZ-205-AS	7/12/1996	460.59	27.28	433.31	AS
PZ-205-AS	8/08/1996	460.59	27.89	432.70	AS
PZ-205-AS	9/06/1996	460.59	28.56	432.03	AS
PZ-205-AS	2/03/1997	460.59	29.18	431.41	AS
PZ-205-AS	5/09/1997	460.59	27.16	433.43	AS
PZ-205-AS	8/11/1997	460.59	28.87	431.72	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-205-AS	11/06/1997	460.59	26.63	433.96	AS
PZ-205-AS	2/09/1998	460.59	29.40	431.19	AS
PZ-205-AS	5/26/1998	460.59	27.11	433.48	AS
PZ-205-AS	11/09/1998	460.59	27.56	433.03	AS
PZ-205-AS	5/14/1999	460.59	26.97	433.62	AS
PZ-205-AS	5/22/2000	460.59	31.94	428.65	AS
PZ-205-AS	5/20/2002	460.59	28.56	432.03	AS
PZ-205-AS	11/18/2002	460.59	31.24	429.35	AS
PZ-205-AS	5/27/2003	460.59	33.09	427.50	AS
PZ-205-AS	11/19/2003	460.59	32.08	428.51	AS
PZ-205-AS	5/10/2004	460.59	30.95	429.64	AS
PZ-205-AS	11/16/2004	460.59	30.82	429.77	AS
PZ-205-AS	5/23/2005	460.59	31.01	429.58	AS
PZ-205-AS	11/17/2005	460.59	31.82	428.77	AS
PZ-205-AS	5/31/2006	460.59	35.00	425.59	AS
PZ-205-AS	11/30/2006	460.59	35.00	425.59	AS
PZ-205-AS	5/31/2007	460.59	31.98	428.61	AS
PZ-205-AS	11/06/2007	460.59	32.16	428.43	AS
PZ-205-AS	5/06/2008	460.59	28.13	432.46	AS
PZ-205-AS	11/03/2008	460.59	28.48	432.11	AS
PZ-205-AS	5/05/2009	460.59	28.85	431.74	AS
PZ-205-AS	11/02/2009	460.59	27.38	433.21	AS
PZ-205-AS	5/18/2010	460.59	27.18	433.41	AS
PZ-205-AS	11/09/2010	460.59	28.48	432.11	AS
PZ-205-AS	5/09/2011	460.59	26.89	433.70	AS
PZ-205-AS	11/16/2011	460.59	28.75	431.84	AS
PZ-205-AS	5/09/2012	460.48	27.36	433.12	AS
PZ-205-AS	7/30/2012	460.48	31.21	429.27	AS
PZ-205-AS	11/26/2012	460.48	31.45	429.03	AS
PZ-205-AS	4/02/2013	460.48	31.90	428.58	AS
PZ-205-AS	4/12/2013	460.48	30.97	429.51	AS
PZ-205-AS	7/08/2013	460.48	26.39	434.09	AS
PZ-205-AS	9/30/2013	460.48	28.24	432.24	AS
PZ-205-AS	5/27/2014	460.48	28.81	431.67	AS
PZ-205-AS	9/22/2014	460.48	45.06	415.42	AS
PZ-205-AS	11/18/2014	460.48	32.39	428.09	AS
PZ-205-AS	2/02/2015	460.48	33.25	427.23	AS
PZ-205-AS	5/12/2015	460.48	33.19	427.29	AS
PZ-205-AS	8/18/2015	460.48	29.33	431.15	AS
PZ-205-AS	11/16/2015	460.48	29.22	431.26	AS
PZ-205-AS	2/29/2016	460.48	29.09	431.39	AS
PZ-205-AS	5/31/2016	460.48	30.24	430.24	AS
PZ-205-AS	8/22/2016	460.48	29.06	431.42	AS
PZ-205-AS	11/07/2016	460.48	30.26	430.22	AS
PZ-205-AS	2/06/2017	460.48	33.10	427.38	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-205-AS	5/01/2017	460.48	32.25	428.23	AS
PZ-205-AS	8/28/2017	460.48	31.32	429.16	AS
PZ-205-AS	11/02/2017	460.48	32.60	427.88	AS
PZ-205-AS	2/14/2018	460.48	34.79	425.69	AS
PZ-205-AS	8/06/2018	460.48	32.76	427.72	AS
PZ-205-AS	11/13/2018	460.48	31.84	428.64	AS
PZ-207-AS	5/05/1995	463.17	31.79	431.38	AS
PZ-207-AS	5/24/1995	463.17	27.29	435.88	AS
PZ-207-AS	6/07/1995	463.17	26.69	436.48	AS
PZ-207-AS	6/27/1995	463.17	27.63	435.54	AS
PZ-207-AS	7/06/1995	463.17	27.82	435.35	AS
PZ-207-AS	7/10/1995	463.17	27.89	435.28	AS
PZ-207-AS	7/11/1995	463.17	27.82	435.35	AS
PZ-207-AS	7/26/1995	463.17	28.16	435.01	AS
PZ-207-AS	8/15/1995	463.17	28.15	435.02	AS
PZ-207-AS	8/26/1995	463.17	28.66	434.51	AS
PZ-207-AS	9/30/1995	463.17	30.55	432.62	AS
PZ-207-AS	10/28/1995	463.17	31.28	431.89	AS
PZ-207-AS	11/18/1995	463.17	31.70	431.47	AS
PZ-207-AS	12/14/1995	463.17	32.28	430.89	AS
PZ-207-AS	1/04/1996	463.17	32.47	430.70	AS
PZ-207-AS	2/06/1996	463.17	33.05	430.12	AS
PZ-207-AS	3/04/1996	463.17	33.60	429.57	AS
PZ-207-AS	4/03/1996	463.17	33.91	429.26	AS
PZ-207-AS	4/30/1996	463.17	32.93	430.24	AS
PZ-207-AS	5/01/1996	463.17	32.74	430.43	AS
PZ-207-AS	5/02/1996	463.17	32.52	430.65	AS
PZ-207-AS	5/03/1996	463.17	32.45	430.72	AS
PZ-207-AS	6/13/1996	463.17	28.58	434.59	AS
PZ-207-AS	7/12/1996	463.17	29.05	434.12	AS
PZ-207-AS	8/08/1996	463.17	29.73	433.44	AS
PZ-207-AS	9/06/1996	463.17	30.74	432.43	AS
PZ-207-AS	2/04/1997	463.17	31.60	431.57	AS
PZ-207-AS	5/09/1997	463.17	28.85	434.32	AS
PZ-207-AS	8/11/1997	463.17	31.13	432.04	AS
PZ-207-AS	11/06/1997	463.17	32.28	430.89	AS
PZ-207-AS	2/09/1998	463.17	32.02	431.15	AS
PZ-207-AS	5/26/1998	463.17	28.46	434.71	AS
PZ-207-AS	11/09/1998	463.17	29.61	433.56	AS
PZ-207-AS	5/14/1999	463.17	28.66	434.51	AS
PZ-207-AS	5/22/2000	463.17	34.86	428.31	AS
PZ-207-AS	5/20/2002	463.17	30.72	432.45	AS
PZ-207-AS	11/18/2002	463.17	34.05	429.12	AS
PZ-207-AS	5/27/2003	463.17	35.72	427.45	AS
PZ-207-AS	11/19/2003	463.17	35.40	427.77	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-207-AS	11/16/2004	463.17	33.63	429.54	AS
PZ-207-AS	5/23/2005	463.17	33.12	430.05	AS
PZ-207-AS	11/17/2005	463.17	34.76	428.41	AS
PZ-207-AS	5/31/2006	463.17	37.09	426.08	AS
PZ-207-AS	11/30/2006	463.17	37.60	425.57	AS
PZ-207-AS	5/31/2007	463.17	34.29	428.88	AS
PZ-207-AS	11/06/2007	463.17	33.97	429.20	AS
PZ-207-AS	5/06/2008	463.17	29.66	433.51	AS
PZ-207-AS	11/03/2008	463.17	29.79	433.38	AS
PZ-207-AS	5/05/2009	463.17	30.48	432.69	AS
PZ-207-AS	11/02/2009	463.17	27.79	435.38	AS
PZ-207-AS	5/18/2010	463.17	27.61	435.56	AS
PZ-207-AS	11/09/2010	463.17	29.72	433.45	AS
PZ-207-AS	5/09/2011	463.17	27.84	435.33	AS
PZ-207-AS	11/16/2011	463.17	30.21	432.96	AS
PZ-207-AS	5/09/2012	462.24	38.40	423.84	AS
PZ-207-AS	7/30/2012	462.24	32.91	429.33	AS
PZ-207-AS	11/26/2012	462.24	34.93	427.31	AS
PZ-207-AS	4/02/2013	462.24	35.27	426.97	AS
PZ-207-AS	4/12/2013	462.24	35.11	427.13	AS
PZ-207-AS	7/08/2013	462.24	29.24	433.00	AS
PZ-207-AS	9/30/2013	462.24	32.25	429.99	AS
PZ-207-AS	5/27/2014	462.24	34.19	428.05	AS
PZ-207-AS	9/22/2014	462.24	31.73	430.51	AS
PZ-207-AS	11/18/2014	462.24	31.25	430.99	AS
PZ-207-AS	2/02/2015	462.24	32.61	429.63	AS
PZ-207-AS	5/12/2015	462.24	32.37	429.87	AS
PZ-207-AS	8/18/2015	462.24	26.63	435.61	AS
PZ-207-AS	11/16/2015	462.24	31.05	431.19	AS
PZ-207-AS	2/29/2016	462.24	28.39	433.85	AS
PZ-207-AS	5/31/2016	462.24	28.57	433.67	AS
PZ-207-AS	8/22/2016	462.24	29.12	433.12	AS
PZ-207-AS	8/31/2016	462.24	29.53	432.71	AS
PZ-207-AS	11/07/2016	462.24	29.72	432.52	AS
PZ-207-AS	2/06/2017	462.24	32.56	429.68	AS
PZ-207-AS	5/01/2017	462.24	31.25	430.99	AS
PZ-207-AS	8/28/2017	462.24	29.98	432.26	AS
PZ-207-AS	11/02/2017	462.24	31.58	430.66	AS
PZ-207-AS	2/14/2018	462.24	34.35	427.89	AS
PZ-207-AS	8/06/2018	462.24	31.38	430.86	AS
PZ-207-AS	11/13/2018	462.24	30.10	432.14	AS
PZ-300-AS	11/18/1995	450.26	20.16	430.10	AS
PZ-300-AS	12/14/1995	450.26	15.72	434.54	AS
PZ-300-AS	1/04/1996	450.26	16.55	433.71	AS
PZ-300-AS	2/06/1996	450.26	16.63	433.63	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-300-AS	3/04/1996	450.26	16.94	433.32	AS
PZ-300-AS	4/03/1996	450.26	16.64	433.62	AS
PZ-302-AS	10/25/1995	451.02	18.97	432.05	AS
PZ-302-AS	10/28/1995	451.02	19.08	431.94	AS
PZ-302-AS	11/18/1995	451.02	19.34	431.68	AS
PZ-302-AS	12/13/1995	451.02	19.56	431.46	AS
PZ-302-AS	1/04/1996	451.02	20.08	430.94	AS
PZ-302-AS	2/06/1996	451.02	20.62	430.40	AS
PZ-302-AS	3/05/1996	451.02	21.15	429.87	AS
PZ-302-AS	4/03/1996	451.02	21.39	429.63	AS
PZ-302-AS	4/30/1996	451.02	20.50	430.52	AS
PZ-302-AS	5/03/1996	451.02	20.16	430.86	AS
PZ-302-AS	6/13/1996	451.02	16.79	434.23	AS
PZ-302-AS	7/12/1996	451.02	17.30	433.72	AS
PZ-302-AS	8/08/1996	451.02	17.87	433.15	AS
PZ-302-AS	9/06/1996	451.02	18.65	432.37	AS
PZ-302-AS	2/03/1997	451.02	19.20	431.82	AS
PZ-302-AS	5/09/1997	451.02	17.10	433.92	AS
PZ-302-AS	5/22/2000	451.02	22.65	428.37	AS
PZ-302-AS	12/11/2003	451.02	23.38	427.64	AS
PZ-302-AS	12/15/2003	451.02	23.29	427.73	AS
PZ-302-AS	5/10/2004	451.02	21.65	429.37	AS
PZ-302-AS	5/11/2004	451.02	21.56	429.46	AS
PZ-302-AS	7/30/2012	451.57	21.92	429.65	AS
PZ-302-AS	8/09/2012	451.57	21.45	430.12	AS
PZ-302-AS	4/02/2013	451.57	24.04	427.53	AS
PZ-302-AS	4/05/2013	451.57	23.40	428.17	AS
PZ-302-AS	7/08/2013	451.57	18.21	433.36	AS
PZ-302-AS	7/16/2013	451.57	17.90	433.67	AS
PZ-302-AS	9/30/2013	451.57	21.20	430.37	AS
PZ-302-AS	10/04/2013	451.57	20.73	430.84	AS
PZ-302-AS	5/31/2016	451.57	17.58	433.99	AS
PZ-302-AS	8/22/2016	451.57	18.46	433.11	AS
PZ-302-AS	9/01/2016	451.57	18.76	432.81	AS
PZ-302-AS	11/07/2016	451.57	18.72	432.85	AS
PZ-302-AS	11/16/2016	451.57	19.20	432.37	AS
PZ-302-AS	2/06/2017	451.57	21.45	430.12	AS
PZ-302-AS	2/10/2017	451.57	21.51	430.06	AS
PZ-302-AS	5/01/2017	451.57	19.95	431.62	AS
PZ-302-AS	5/10/2017	451.57	17.05	434.52	AS
PZ-303-AS	10/28/1995	452.78	20.99	431.79	AS
PZ-303-AS	11/18/1995	452.78	21.17	431.61	AS
PZ-303-AS	12/13/1995	452.78	21.44	431.34	AS
PZ-303-AS	1/04/1996	452.78	21.90	430.88	AS
PZ-303-AS	2/06/1996	452.78	22.54	430.24	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-303-AS	3/05/1996	452.78	23.15	429.63	AS
PZ-303-AS	4/03/1996	452.78	23.41	429.37	AS
PZ-303-AS	4/30/1996	452.78	22.59	430.19	AS
PZ-303-AS	5/03/1996	452.78	22.19	430.59	AS
PZ-303-AS	6/13/1996	452.78	18.81	433.97	AS
PZ-303-AS	7/12/1996	452.78	18.95	433.83	AS
PZ-303-AS	8/08/1996	452.78	18.95	433.83	AS
PZ-303-AS	8/27/1996	452.78	20.18	432.60	AS
PZ-303-AS	9/06/1996	452.78	20.42	432.36	AS
PZ-303-AS	2/03/1997	452.78	21.20	431.58	AS
PZ-303-AS	5/09/1997	452.78	19.00	433.78	AS
PZ-303-AS	5/22/2000	452.78	24.26	428.52	AS
PZ-303-AS	12/11/2003	452.78	25.27	427.51	AS
PZ-303-AS	12/12/2003	452.78	25.19	427.59	AS
PZ-303-AS	5/10/2004	452.78	18.52	434.26	AS
PZ-303-AS	5/10/2004	452.78	23.42	429.36	AS
PZ-303-AS	7/30/2012	453.28	24.02	429.26	AS
PZ-303-AS	8/10/2012	453.28	23.67	429.61	AS
PZ-303-AS	4/02/2013	453.28	25.81	427.47	AS
PZ-303-AS	4/04/2013	453.28	25.13	428.15	AS
PZ-303-AS	7/08/2013	453.28	20.71	432.57	AS
PZ-303-AS	7/15/2013	453.28	20.51	432.77	AS
PZ-303-AS	9/30/2013	453.28	23.68	429.60	AS
PZ-303-AS	10/04/2013	453.28	23.15	430.13	AS
PZ-303-AS	5/31/2016	453.28	21.03	432.25	AS
PZ-303-AS	8/22/2016	453.28	21.85	431.43	AS
PZ-303-AS	9/06/2016	453.28	21.90	431.38	AS
PZ-303-AS	11/07/2016	453.28	21.08	432.20	AS
PZ-303-AS	11/17/2016	453.28	21.95	431.33	AS
PZ-303-AS	2/06/2017	453.28	23.65	429.63	AS
PZ-303-AS	2/16/2017	453.28	24.41	428.87	AS
PZ-303-AS	5/01/2017	453.28	21.90	431.38	AS
PZ-304-AS	11/18/1995	453.31	21.80	431.51	AS
PZ-304-AS	12/14/1995	453.31	22.08	431.23	AS
PZ-304-AS	1/04/1996	453.31	22.58	430.73	AS
PZ-304-AS	2/06/1996	453.31	23.19	430.12	AS
PZ-304-AS	3/05/1996	453.31	23.78	429.53	AS
PZ-304-AS	4/03/1996	453.31	24.12	429.19	AS
PZ-304-AS	5/03/1996	453.31	22.64	430.67	AS
PZ-304-AS	6/13/1996	453.31	19.27	434.04	AS
PZ-304-AS	7/12/1996	453.31	19.57	433.74	AS
PZ-304-AS	12/11/2003	453.31	26.13	427.18	AS
PZ-304-AS	12/11/2003	453.31	25.79	427.52	AS
PZ-304-AS	5/10/2004	453.31	24.16	429.15	AS
PZ-304-AS	5/10/2004	453.31	24.06	429.25	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-304-AS	7/30/2012	453.89	24.58	429.31	AS
PZ-304-AS	8/10/2012	453.89	23.98	429.91	AS
PZ-304-AS	4/02/2013	453.89	26.48	427.41	AS
PZ-304-AS	4/04/2013	453.89	25.69	428.20	AS
PZ-304-AS	7/08/2013	453.89	21.27	432.62	AS
PZ-304-AS	7/16/2013	453.89	20.96	432.93	AS
PZ-304-AS	9/30/2013	453.89	23.94	429.95	AS
PZ-304-AS	10/01/2013	453.89	23.29	430.60	AS
PZ-304-AS	5/31/2016	453.89	20.46	433.43	AS
PZ-304-AS	8/22/2016	453.89	21.09	432.80	AS
PZ-304-AS	8/26/2016	453.89	21.25	432.64	AS
PZ-304-AS	11/07/2016	453.89	21.28	432.61	AS
PZ-304-AS	11/17/2016	453.89	21.87	432.02	AS
PZ-304-AS	2/06/2017	453.89	23.98	429.91	AS
PZ-304-AS	2/13/2017	453.89	24.30	429.59	AS
PZ-304-AS	5/01/2017	453.89	22.37	431.52	AS
S-1	8/31/1995	446.11	12.26	433.85	AS
S-1	10/02/1995	446.11	13.75	432.36	AS
S-1	10/31/1995	446.11	14.38	431.73	AS
S-1	11/30/1995	446.11	14.88	431.23	AS
S-1	12/15/1995	446.11	15.32	430.79	AS
S-1	1/05/1996	446.11	15.62	430.49	AS
S-1	2/05/1996	446.11	16.14	429.97	AS
S-1	3/04/1996	446.11	16.74	429.37	AS
S-1	4/02/1996	446.11	16.94	429.17	AS
S-1	4/30/1996	446.11	15.62	430.49	AS
S-1	5/01/1996	446.11	15.38	430.73	AS
S-1	5/02/1996	446.11	15.10	431.01	AS
S-1	5/03/1996	446.11	15.00	431.11	AS
S-1	6/13/1996	446.11	11.56	434.55	AS
S-1	7/05/1996	446.11	12.01	434.10	AS
S-1	7/12/1996	446.11	12.14	433.97	AS
S-1	8/08/1996	446.11	12.84	433.27	AS
S-1	9/06/1996	446.11	13.74	432.37	AS
S-1	10/02/1996	446.11	13.99	432.12	AS
S-1	2/03/1997	446.11	14.75	431.36	AS
S-1	5/09/1997	446.11	12.06	434.05	AS
S-1	5/22/2000	446.11	17.87	428.24	AS
S-1	3/23/2004	446.11	18.01	428.10	AS
S-1	3/25/2004	446.11	17.98	428.13	AS
S-1	5/10/2004	446.11	17.02	429.09	AS
S-1	5/11/2004	446.11	17.05	429.06	AS
S-10	10/02/1995	479.88	47.37	432.51	AS
S-10	10/31/1995	479.88	48.16	431.72	AS
S-10	11/30/1995	479.88	48.61	431.27	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-10	12/15/1995	479.88	49.40	430.48	AS
S-10	1/05/1996	479.88	49.17	430.71	AS
S-10	2/05/1996	479.88	49.48	430.40	AS
S-10	3/04/1996	479.88	50.45	429.43	AS
S-10	4/02/1996	479.88	50.85	429.03	AS
S-10	4/30/1996	479.88	49.87	430.01	AS
S-10	5/03/1996	479.88	49.26	430.62	AS
S-10	6/13/1996	479.88	45.38	434.50	AS
S-10	7/05/1996	479.88	45.71	434.17	AS
S-10	7/12/1996	479.88	45.81	434.07	AS
S-10	8/08/1996	479.88	46.19	433.69	AS
S-10	9/06/1996	479.88	47.40	432.48	AS
S-10	10/02/1996	479.88	47.77	432.11	AS
S-10	2/03/1997	479.88	48.60	431.28	AS
S-10	5/09/1997	479.88	45.57	434.31	AS
S-10	5/22/2000	479.88	51.67	428.21	AS
S-10	3/23/2004	479.88	52.03	427.85	AS
S-10	3/24/2004	479.88	51.80	428.08	AS
S-10	5/10/2004	479.88	51.09	428.79	AS
S-10	5/12/2004	479.88	50.92	428.96	AS
S-10	7/30/2012	480.10	50.98	429.12	AS
S-10	8/08/2012	480.10	50.80	429.30	AS
S-10	4/02/2013	480.10	53.19	426.91	AS
S-10	4/04/2013	480.10	52.66	427.44	AS
S-10	7/08/2013	480.10	47.39	432.71	AS
S-10	7/15/2013	480.10	47.38	432.72	AS
S-10	9/30/2013	480.10	50.38	429.72	AS
S-10	10/01/2013	480.10	49.98	430.12	AS
S-5	8/31/1995	468.25	34.20	434.05	AS
S-5	10/02/1995	468.25	34.78	433.47	AS
S-5	10/31/1995	468.25	36.51	431.74	AS
S-5	11/30/1995	468.25	36.84	431.41	AS
S-5	12/15/1995	468.25	37.34	430.91	AS
S-5	1/05/1996	468.25	37.62	430.63	AS
S-5	2/06/1996	468.25	38.09	430.16	AS
S-5	3/04/1996	468.25	38.60	429.65	AS
S-5	4/02/1996	468.25	38.96	429.29	AS
S-5	4/30/1996	468.25	38.25	430.00	AS
S-5	5/01/1996	468.25	38.12	430.13	AS
S-5	5/02/1996	468.25	37.90	430.35	AS
S-5	5/03/1996	468.25	37.79	430.46	AS
S-5	6/13/1996	468.25	33.82	434.43	AS
S-5	7/05/1996	468.25	34.02	434.23	AS
S-5	7/12/1996	468.25	34.10	434.15	AS
S-5	8/08/1996	468.25	34.73	433.52	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-5	9/06/1996	468.25	34.52	433.73	AS
S-5	10/02/1996	468.25	35.92	432.33	AS
S-5	2/03/1997	468.25	36.38	431.87	AS
S-5	5/09/1997	468.25	33.56	434.69	AS
S-5	8/11/1997	468.25	35.60	432.65	AS
S-5	11/06/1997	468.25	36.98	431.27	AS
S-5	2/10/1998	468.25	36.45	431.80	AS
S-5	5/26/1998	468.25	32.68	435.57	AS
S-5	11/09/1998	468.25	34.32	433.93	AS
S-5	5/14/1999	468.25	32.91	435.34	AS
S-5	11/19/1999	468.25	37.22	431.03	AS
S-5	5/22/2000	468.25	39.03	429.22	AS
S-5	5/20/2002	468.25	35.41	432.84	AS
S-5	11/18/2002	468.25	37.78	430.47	AS
S-5	5/27/2003	468.25	38.95	429.30	AS
S-5	11/19/2003	468.25	38.92	429.33	AS
S-5	3/23/2004	468.25	40.18	428.07	AS
S-5	3/29/2004	468.25	37.80	430.45	AS
S-5	5/10/2004	468.25	37.42	430.83	AS
S-5	5/12/2004	468.25	37.38	430.87	AS
S-5	5/23/2005	468.25	36.68	431.57	AS
S-5	11/17/2005	468.25	37.75	430.50	AS
S-5	5/31/2006	468.25	41.50	426.75	AS
S-5	11/30/2006	468.25	41.80	426.45	AS
S-5	5/31/2007	468.25	37.09	431.16	AS
S-5	11/06/2007	468.25	36.80	431.45	AS
S-5	5/06/2008	468.25	33.10	435.15	AS
S-5	11/03/2008	468.25	33.21	435.04	AS
S-5	5/05/2009	468.25	34.10	434.15	AS
S-5	11/02/2009	468.25	31.91	436.34	AS
S-5	5/18/2010	468.25	31.18	437.07	AS
S-5	11/09/2010	468.25	33.58	434.67	AS
S-5	5/09/2011	468.25	31.24	437.01	AS
S-5	11/16/2011	468.25	33.84	434.41	AS
S-5	5/09/2012	466.23	29.19	437.04	AS
S-5	7/30/2012	466.23	36.19	430.04	AS
S-5	8/14/2012	466.23	36.35	429.88	AS
S-5	11/26/2012	466.23	37.99	428.24	AS
S-5	4/02/2013	466.23	37.81	428.42	AS
S-5	4/11/2013	466.23	37.27	428.96	AS
S-5	4/12/2013	466.23	37.63	428.60	AS
S-5	7/08/2013	466.23	33.00	433.23	AS
S-5	9/30/2013	466.23	35.94	430.29	AS
S-5	10/07/2013	466.23	36.07	430.16	AS
S-5	5/27/2014	466.23	37.48	428.75	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-5	9/22/2014	466.23	35.52	430.71	AS
S-5	11/18/2014	466.23	34.91	431.32	AS
S-5	2/02/2015	466.23	36.12	430.11	AS
S-5	5/12/2015	466.23	35.55	430.68	AS
S-5	8/18/2015	466.23	30.32	435.91	AS
S-5	8/22/2016	466.23	NA	NA	AS
S-5	8/31/2016	466.23	32.44	433.79	AS
S-5	8/31/2016	466.23	32.44	433.79	AS
S-5	11/07/2016	466.23	31.20	435.03	AS
S-5	11/14/2016	466.23	33.02	433.21	AS
S-5	2/06/2017	466.23	31.71	434.52	AS
S-5	2/15/2017	466.23	35.54	430.69	AS
S-5	5/01/2017	466.23	34.59	431.64	AS
S-5	5/11/2017	466.23	31.75	434.48	AS
S-5	7/09/2018	466.23	32.59	433.64	AS
S-51	11/16/1979	447.32	Dry	Dry	AS
S-51	9/05/1980	447.32	NA	NA	AS
S-51	3/17/1981	447.32	NA	NA	AS
S-51	12/10/1981	447.32	NA	NA	AS
S-51	3/25/1982	447.32	NA	NA	AS
S-51	8/20/1982	447.32	NA	NA	AS
S-51	11/16/1982	447.32	7.42	439.90	AS
S-51	2/09/1983	447.32	6.42	440.90	AS
S-51	5/16/1983	447.32	10.72	436.60	AS
S-51	8/02/1983	447.32	9.32	438.00	AS
S-51	11/15/1983	447.32	12.00	435.32	AS
S-51	12/01/1983	447.32	14.00	433.32	AS
S-51	12/16/1983	447.32	13.20	434.12	AS
S-51	1/03/1984	447.32	Dry	Dry	AS
S-51	1/13/1984	447.32	17.22	430.10	AS
S-51	1/20/1984	447.32	17.73	429.59	AS
S-51	1/27/1984	447.32	17.73	429.59	AS
S-51	2/03/1984	447.32	17.65	429.67	AS
S-51	2/08/1984	447.32	17.62	429.70	AS
S-51	2/10/1984	447.32	17.62	429.70	AS
S-51	2/16/1984	447.32	17.11	430.21	AS
S-51	2/23/1984	447.32	16.68	430.64	AS
S-51	3/01/1984	447.32	16.18	431.14	AS
S-51	3/09/1984	447.32	15.17	432.15	AS
S-51	3/15/1984	447.32	15.01	432.31	AS
S-51	3/22/1984	447.32	13.80	433.52	AS
S-51	4/26/1984	447.32	12.30	435.02	AS
S-51	5/02/1984	447.32	14.22	433.10	AS
S-51	5/24/1984	447.32	13.00	434.32	AS
S-51	6/27/1984	447.32	13.36	433.96	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-51	8/08/1984	447.32	14.97	432.35	AS
S-51	8/20/1984	447.32	15.75	431.57	AS
S-51	8/29/1984	447.32	16.39	430.93	AS
S-51	10/03/1984	447.32	16.40	430.92	AS
S-51	10/26/1984	447.32	15.35	431.97	AS
S-51	12/19/1984	447.32	15.20	432.12	AS
S-51	3/30/1985	447.32	12.58	434.74	AS
S-51	4/18/1985	447.32	13.00	434.32	AS
S-51	4/25/1985	447.32	13.83	433.49	AS
S-51	6/07/1985	447.32	13.88	433.44	AS
S-51	8/08/1985	447.32	15.74	431.58	AS
S-51	12/13/1985	447.32	12.33	434.99	AS
S-51	5/19/1986	447.32	16.12	431.20	AS
S-51	11/22/1994	449.17	18.77	430.40	AS
S-51	12/29/1994	449.17	18.66	430.51	AS
S-51	1/30/1995	449.17	17.81	431.36	AS
S-51	3/03/1995	449.17	18.22	430.95	AS
S-51	3/30/1995	449.17	18.20	430.97	AS
S-51	4/28/1995	449.17	17.81	431.36	AS
S-51	5/26/1995	449.17	13.38	435.79	AS
S-51	6/30/1995	449.17	14.41	434.76	AS
S-51	7/28/1995	449.17	14.81	434.36	AS
S-51	8/31/1995	449.17	15.54	433.63	AS
S-51	10/02/1995	449.17	16.74	432.43	AS
S-51	10/31/1995	449.17	17.42	431.75	AS
S-51	11/30/1995	449.17	17.46	431.71	AS
S-51	12/13/1995	449.17	19.51	429.66	AS
S-51	1/05/1996	449.17	17.98	431.19	AS
S-51	2/05/1996	449.17	20.27	428.90	AS
S-51	3/04/1996	449.17	21.01	428.16	AS
S-51	4/02/1996	449.17	20.94	428.23	AS
S-51	4/30/1996	449.17	20.35	428.82	AS
S-51	5/01/1996	449.17	20.31	428.86	AS
S-51	5/02/1996	449.17	20.23	428.94	AS
S-51	5/03/1996	449.17	20.17	429.00	AS
S-51	6/13/1996	449.17	15.40	433.77	AS
S-51	7/05/1996	449.17	15.43	433.74	AS
S-51	7/12/1996	449.17	17.37	431.80	AS
S-51	8/08/1996	449.17	18.06	431.11	AS
S-51	9/06/1996	449.17	18.99	430.18	AS
S-51	2/03/1997	449.17	19.35	429.82	AS
S-51	5/09/1997	449.17	17.16	432.01	AS
S-52	11/16/1979	446.68	Dry	Dry	AS
S-52	9/05/1980	446.68	NA	NA	AS
S-52	3/17/1981	446.68	NA	NA	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-52	12/10/1981	446.68	NA	NA	AS
S-52	3/25/1982	446.68	NA	NA	AS
S-52	8/20/1982	446.68	NA	NA	AS
S-52	11/16/1982	446.68	10.18	436.50	AS
S-52	2/09/1983	446.68	8.58	438.10	AS
S-52	5/16/1983	446.68	6.28	440.40	AS
S-52	8/02/1983	446.68	7.68	439.00	AS
S-52	11/15/1983	446.68	10.50	436.18	AS
S-52	12/01/1983	446.68	14.48	432.20	AS
S-52	12/16/1983	446.68	12.98	433.70	AS
S-52	1/03/1984	446.68	Dry	Dry	AS
S-52	1/13/1984	446.68	15.31	431.37	AS
S-52	1/20/1984	446.68	15.78	430.90	AS
S-52	1/27/1984	446.68	15.83	430.85	AS
S-52	2/03/1984	446.68	15.89	430.79	AS
S-52	2/08/1984	446.68	15.58	431.10	AS
S-52	2/10/1984	446.68	15.84	430.84	AS
S-52	2/16/1984	446.68	15.36	431.32	AS
S-52	2/23/1984	446.68	14.84	431.84	AS
S-52	3/01/1984	446.68	14.33	432.35	AS
S-52	3/09/1984	446.68	13.48	433.20	AS
S-52	3/15/1984	446.68	13.48	433.20	AS
S-52	3/22/1984	446.68	12.36	434.32	AS
S-52	4/26/1984	446.68	10.90	435.78	AS
S-52	5/02/1984	446.68	10.98	435.70	AS
S-52	5/23/1984	446.68	11.30	435.38	AS
S-52	6/27/1984	446.68	11.39	435.29	AS
S-52	8/08/1984	446.68	12.98	433.70	AS
S-52	8/20/1984	446.68	13.75	432.93	AS
S-52	8/29/1984	446.68	14.38	432.30	AS
S-52	10/03/1984	446.68	14.54	432.14	AS
S-52	10/26/1984	446.68	13.50	433.18	AS
S-52	12/19/1984	446.68	13.30	433.38	AS
S-52	3/30/1985	446.68	10.92	435.76	AS
S-52	4/18/1985	446.68	11.40	435.28	AS
S-52	4/25/1985	446.68	12.00	434.68	AS
S-52	6/07/1985	446.68	11.90	434.78	AS
S-52	8/08/1985	446.68	13.96	432.72	AS
S-52	6/04/1990	446.68	12.84	433.84	AS
S-53	11/16/1979	448.60	Dry	Dry	AS
S-53	9/05/1980	448.60	NA	NA	AS
S-53	3/17/1981	448.60	NA	NA	AS
S-53	12/10/1981	448.60	NA	NA	AS
S-53	3/25/1982	448.60	NA	NA	AS
S-53	8/20/1982	448.60	NA	NA	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-53	11/16/1982	448.60	15.00	433.60	AS
S-53	2/09/1983	448.60	15.20	433.40	AS
S-53	5/16/1983	448.60	12.10	436.50	AS
S-53	8/02/1983	448.60	13.50	435.10	AS
S-53	11/15/1983	448.60	16.80	431.80	AS
S-53	12/01/1983	448.60	15.39	433.21	AS
S-53	12/16/1983	448.60	14.87	433.73	AS
S-53	1/03/1984	448.60	Dry	Dry	AS
S-53	1/13/1984	448.60	15.98	432.62	AS
S-53	1/20/1984	448.60	16.45	432.15	AS
S-53	1/27/1984	448.60	16.42	432.18	AS
S-53	2/03/1984	448.60	16.56	432.04	AS
S-53	2/08/1984	448.60	16.20	432.40	AS
S-53	2/10/1984	448.60	16.48	432.12	AS
S-53	2/16/1984	448.60	16.12	432.48	AS
S-53	2/23/1984	448.60	15.73	432.87	AS
S-53	3/01/1984	448.60	15.11	433.49	AS
S-53	3/09/1984	448.60	14.39	434.21	AS
S-53	3/15/1984	448.60	14.15	434.45	AS
S-53	3/22/1984	448.60	13.20	435.40	AS
S-53	4/26/1984	448.60	11.65	436.95	AS
S-53	5/02/1984	448.60	11.70	436.90	AS
S-53	5/23/1984	448.60	11.85	436.75	AS
S-53	6/27/1984	448.60	11.94	436.66	AS
S-53	8/08/1984	448.60	13.62	434.98	AS
S-53	8/20/1984	448.60	14.30	434.30	AS
S-53	8/29/1984	448.60	14.96	433.64	AS
S-53	10/03/1984	448.60	15.09	433.51	AS
S-53	10/26/1984	448.60	14.10	434.50	AS
S-53	12/12/1984	448.60	14.00	434.60	AS
S-53	3/30/1985	448.60	11.67	436.93	AS
S-53	4/18/1985	448.60	12.10	436.50	AS
S-53	4/25/1985	448.60	12.63	435.97	AS
S-53	6/07/1985	448.60	12.83	435.77	AS
S-53	8/08/1985	448.60	14.48	434.12	AS
S-53	6/04/1990	448.60	14.54	434.06	AS
S-53	11/22/1994	447.55	17.27	430.28	AS
S-53	12/29/1994	447.55	17.37	430.18	AS
S-53	1/30/1995	447.55	16.47	431.08	AS
S-53	3/03/1995	447.55	16.93	430.62	AS
S-53	3/30/1995	447.55	16.86	430.69	AS
S-53	4/28/1995	447.55	16.30	431.25	AS
S-53	5/26/1995	447.55	12.57	434.98	AS
S-53	6/30/1995	447.55	12.99	434.56	AS
S-53	7/28/1995	447.55	13.06	434.49	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-53	8/03/1995	447.55	13.06	434.49	AS
S-53	8/31/1995	447.55	13.77	433.78	AS
S-53	10/02/1995	447.55	15.17	432.38	AS
S-53	10/31/1995	447.55	15.89	431.66	AS
S-53	11/30/1995	447.55	17.97	429.58	AS
S-53	1/05/1996	447.55	16.65	430.90	AS
S-53	4/02/1996	447.55	18.04	429.51	AS
S-53	7/05/1996	447.55	NA	NA	AS
S-53	7/30/2012	444.10	14.59	429.51	AS
S-53	8/13/2012	444.10	14.41	429.69	AS
S-53	4/02/2013	444.10	16.67	427.43	AS
S-53	7/08/2013	444.10	11.44	432.66	AS
S-53	9/30/2013	444.10	14.02	430.08	AS
S-53	8/22/2016	444.10	11.59	432.51	AS
S-53	8/31/2016	444.10	11.85	432.25	AS
S-53	11/07/2016	444.10	11.72	432.38	AS
S-53	2/06/2017	444.10	14.51	429.59	AS
S-53	5/01/2017	444.10	12.66	431.44	AS
S-53	5/10/2017	444.10	10.98	433.12	AS
S-54	11/16/1979	470.60	Dry	Dry	AS
S-54	9/05/1980	470.60	Dry	Dry	AS
S-54	3/17/1981	470.60	Dry	Dry	AS
S-54	12/10/1981	470.60	39.00	431.60	AS
S-54	3/25/1982	470.60	38.30	432.30	AS
S-54	8/20/1982	470.60	22.80	447.80	AS
S-54	11/16/1982	470.60	39.50	431.10	AS
S-54	2/09/1983	470.60	38.40	432.20	AS
S-54	5/16/1983	470.60	33.90	436.70	AS
S-54	8/02/1983	470.60	36.00	434.60	AS
S-54	11/15/1983	470.60	38.60	432.00	AS
S-54	12/01/1983	470.60	37.82	432.78	AS
S-54	12/16/1983	470.60	36.97	433.63	AS
S-54	1/03/1984	470.60	37.46	433.14	AS
S-54	1/13/1984	470.60	37.93	432.67	AS
S-54	1/20/1984	470.60	43.18	427.42	AS
S-54	1/27/1984	470.60	38.28	432.32	AS
S-54	2/03/1984	470.60	38.43	432.17	AS
S-54	2/08/1984	470.60	38.80	431.80	AS
S-54	2/10/1984	470.60	38.36	432.24	AS
S-54	2/16/1984	470.60	38.54	432.06	AS
S-54	2/23/1984	470.60	38.22	432.38	AS
S-54	3/01/1984	470.60	37.41	433.19	AS
S-54	3/09/1984	470.60	36.73	433.87	AS
S-54	3/15/1984	470.60	36.60	434.00	AS
S-54	3/22/1984	470.60	35.84	434.76	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-54	4/26/1984	470.60	34.20	436.40	AS
S-54	5/02/1984	470.60	33.90	436.70	AS
S-54	5/23/1984	470.60	34.20	436.40	AS
S-54	6/27/1984	470.60	35.45	435.15	AS
S-54	8/08/1984	470.60	35.75	434.85	AS
S-54	8/20/1984	470.60	36.40	434.20	AS
S-54	8/24/1984	470.60	36.91	433.69	AS
S-54	8/29/1984	470.60	37.24	433.36	AS
S-54	10/03/1984	470.60	37.19	433.41	AS
S-54	10/26/1984	470.60	36.20	434.40	AS
S-54	12/19/1984	470.60	36.30	434.30	AS
S-54	3/30/1985	470.60	34.08	436.52	AS
S-54	4/25/1985	470.60	34.75	435.85	AS
S-54	6/07/1985	470.60	34.84	435.76	AS
S-54	8/08/1985	470.60	36.83	433.77	AS
S-60	11/16/1979	446.53	NA	NA	AS
S-60	9/05/1980	446.53	NA	NA	AS
S-60	3/17/1981	446.53	NA	NA	AS
S-60	12/10/1981	446.53	NA	NA	AS
S-60	3/25/1982	446.53	NA	NA	AS
S-60	8/20/1982	446.53	NA	NA	AS
S-60	11/16/1982	446.53	NA	NA	AS
S-60	2/09/1983	446.53	NA	NA	AS
S-60	5/16/1983	446.53	NA	NA	AS
S-60	8/02/1983	446.53	NA	NA	AS
S-60	11/15/1983	446.53	NA	NA	AS
S-60	12/01/1983	446.53	NA	NA	AS
S-60	12/16/1983	446.53	NA	NA	AS
S-60	1/03/1984	446.53	NA	NA	AS
S-60	1/13/1984	446.53	NA	NA	AS
S-60	1/20/1984	446.53	NA	NA	AS
S-60	1/27/1984	446.53	15.99	430.54	AS
S-60	2/03/1984	446.53	16.20	430.33	AS
S-60	2/08/1984	446.53	NA	NA	AS
S-60	2/10/1984	446.53	16.16	430.37	AS
S-60	2/16/1984	446.53	15.99	430.54	AS
S-60	2/23/1984	446.53	15.65	430.88	AS
S-60	3/01/1984	446.53	15.20	431.33	AS
S-60	3/09/1984	446.53	14.44	432.09	AS
S-60	3/15/1984	446.53	13.68	432.85	AS
S-60	3/22/1984	446.53	13.06	433.47	AS
S-60	4/26/1984	446.53	10.65	435.88	AS
S-60	5/02/1984	446.53	NA	NA	AS
S-60	5/24/1984	446.53	10.70	435.83	AS
S-60	6/27/1984	446.53	12.02	434.51	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-60	8/08/1984	446.53	12.84	433.69	AS
S-60	8/20/1984	446.53	13.74	432.79	AS
S-60	8/29/1984	446.53	14.40	432.13	AS
S-60	10/03/1984	446.53	14.70	431.83	AS
S-60	10/26/1984	446.53	13.95	432.58	AS
S-60	12/19/1984	446.53	13.70	432.83	AS
S-60	3/30/1985	446.53	5.00	441.53	AS
S-60	4/17/1985	445.90	10.40	435.50	AS
S-60	4/25/1985	445.90	10.92	434.98	AS
S-60	6/04/1985	445.90	12.06	433.84	AS
S-60	6/07/1985	445.90	11.03	434.87	AS
S-60	8/08/1985	445.90	12.98	432.92	AS
S-61	11/16/1979	449.77	NA	NA	AS
S-61	9/05/1980	449.77	NA	NA	AS
S-61	3/17/1981	449.77	NA	NA	AS
S-61	12/10/1981	449.77	NA	NA	AS
S-61	3/25/1982	449.77	NA	NA	AS
S-61	8/20/1982	449.77	NA	NA	AS
S-61	11/16/1982	449.77	NA	NA	AS
S-61	2/09/1983	449.77	NA	NA	AS
S-61	5/16/1983	449.77	NA	NA	AS
S-61	8/02/1983	449.77	NA	NA	AS
S-61	11/15/1983	449.77	NA	NA	AS
S-61	12/01/1983	449.77	NA	NA	AS
S-61	12/16/1983	449.77	NA	NA	AS
S-61	1/03/1984	449.77	NA	NA	AS
S-61	1/13/1984	449.77	NA	NA	AS
S-61	1/20/1984	449.77	NA	NA	AS
S-61	1/27/1984	449.77	18.85	430.92	AS
S-61	2/03/1984	449.77	19.05	430.72	AS
S-61	2/08/1984	449.77	NA	NA	AS
S-61	2/10/1984	449.77	18.89	430.88	AS
S-61	2/16/1984	449.77	18.95	430.82	AS
S-61	2/23/1984	449.77	18.63	431.14	AS
S-61	3/01/1984	449.77	18.35	431.42	AS
S-61	3/09/1984	449.77	17.77	432.00	AS
S-61	3/15/1984	449.77	17.28	432.49	AS
S-61	3/22/1984	449.77	16.29	433.48	AS
S-61	4/26/1984	449.77	13.30	436.47	AS
S-61	5/02/1984	449.77	NA	NA	AS
S-61	5/24/1984	449.77	13.80	435.97	AS
S-61	6/27/1984	449.77	14.05	435.72	AS
S-61	8/08/1984	449.77	16.00	433.77	AS
S-61	8/20/1984	449.77	16.90	432.87	AS
S-61	8/29/1984	449.77	17.56	432.21	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-61	10/03/1984	449.77	17.88	431.89	AS
S-61	10/26/1984	449.77	17.00	432.77	AS
S-61	12/19/1984	449.77	16.80	432.97	AS
S-61	3/30/1985	449.77	14.42	435.35	AS
S-61	4/17/1985	449.77	14.10	435.67	AS
S-61	4/25/1985	449.77	14.42	435.35	AS
S-61	6/04/1985	449.77	15.79	433.98	AS
S-61	6/07/1985	449.77	14.89	434.88	AS
S-61	8/08/1985	449.77	16.72	433.05	AS
S-61	6/04/1990	449.77	17.33	432.44	AS
S-61	11/22/1994	449.38	19.55	429.83	AS
S-61	12/29/1994	449.38	19.61	429.77	AS
S-61	1/30/1995	449.38	18.73	430.65	AS
S-61	3/03/1995	449.38	19.00	430.38	AS
S-61	3/30/1995	449.38	18.97	430.41	AS
S-61	4/28/1995	449.38	18.51	430.87	AS
S-61	5/26/1995	449.38	14.40	434.98	AS
S-61	6/30/1995	449.38	13.86	435.52	AS
S-61	8/31/1995	449.38	15.27	434.11	AS
S-61	10/02/1995	449.38	16.76	432.62	AS
S-61	10/31/1995	449.38	17.51	431.87	AS
S-61	11/30/1995	449.38	18.18	431.20	AS
S-61	12/15/1995	449.38	18.19	431.19	AS
S-61	1/05/1996	449.38	18.93	430.45	AS
S-61	2/05/1996	449.38	19.00	430.38	AS
S-61	3/04/1996	449.38	19.62	429.76	AS
S-61	4/02/1996	449.38	19.90	429.48	AS
S-61	4/30/1996	449.38	18.89	430.49	AS
S-61	5/03/1996	449.38	18.27	431.11	AS
S-61	6/13/1996	449.38	14.30	435.08	AS
S-61	7/05/1996	449.38	15.08	434.30	AS
S-61	7/12/1996	449.38	14.60	434.78	AS
S-61	8/08/1996	449.38	15.60	433.78	AS
S-61	9/06/1996	449.38	14.62	434.76	AS
S-61	10/02/1996	449.38	17.25	432.13	AS
S-61	2/03/1997	449.38	18.77	430.61	AS
S-61	5/09/1997	449.38	14.75	434.63	AS
S-61	5/22/2000	449.38	19.08	430.30	AS
S-61	3/24/2004	449.38	21.38	428.00	AS
S-61	5/10/2004	449.38	20.70	428.68	AS
S-61	5/12/2004	449.38	20.46	428.92	AS
S-61	7/30/2012	449.20	20.25	428.95	AS
S-61	8/07/2012	449.20	20.36	428.84	AS
S-61	4/02/2013	449.20	22.41	426.79	AS
S-61	4/05/2013	449.20	22.20	427.00	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-61	7/08/2013	449.20	16.51	432.69	AS
S-61	7/12/2013	449.20	16.61	432.59	AS
S-61	9/30/2013	449.20	19.61	429.59	AS
S-61	10/03/2013	449.20	19.64	429.56	AS
S-75	11/16/1979	459.50	Dry	Dry	AS
S-75	9/05/1980	459.50	Dry	Dry	AS
S-75	3/17/1981	459.50	Dry	Dry	AS
S-75	12/10/1981	459.50	25.80	433.70	AS
S-75	3/25/1982	459.50	21.20	438.30	AS
S-75	8/20/1982	459.50	24.60	434.90	AS
S-75	2/09/1983	459.50	25.80	433.70	AS
S-75	5/16/1983	459.50	22.60	436.90	AS
S-75	8/02/1983	459.50	23.90	435.60	AS
S-75	11/15/1983	459.50	25.10	434.40	AS
S-75	12/01/1983	459.50	23.52	435.98	AS
S-75	12/16/1983	459.50	22.61	436.89	AS
S-75	1/03/1984	459.50	25.78	433.72	AS
S-75	1/13/1984	459.50	24.57	434.93	AS
S-75	1/20/1984	459.50	26.22	433.28	AS
S-75	1/27/1984	459.50	26.02	433.48	AS
S-75	2/03/1984	459.50	26.13	433.37	AS
S-75	2/08/1984	459.50	26.30	433.20	AS
S-75	2/10/1984	459.50	26.24	433.26	AS
S-75	2/16/1984	459.50	23.86	435.64	AS
S-75	2/23/1984	459.50	25.68	433.82	AS
S-75	3/01/1984	459.50	21.20	438.30	AS
S-75	3/09/1984	459.50	19.67	439.83	AS
S-75	3/15/1984	459.50	23.50	436.00	AS
S-75	3/22/1984	459.50	21.86	437.64	AS
S-75	4/26/1984	459.50	21.40	438.10	AS
S-75	5/02/1984	459.50	21.10	438.40	AS
S-75	5/24/1984	459.50	22.40	437.10	AS
S-75	6/27/1984	459.50	22.53	436.97	AS
S-75	8/08/1984	459.50	24.33	435.17	AS
S-75	8/20/1984	459.50	25.00	434.50	AS
S-75	8/24/1984	459.50	25.37	434.13	AS
S-75	8/29/1984	459.50	25.70	433.80	AS
S-75	10/03/1984	459.50	25.53	433.97	AS
S-75	10/26/1984	459.50	24.15	435.35	AS
S-75	12/19/1984	459.50	24.30	435.20	AS
S-75	3/30/1985	459.50	17.50	442.00	AS
S-75	4/17/1985	459.50	24.10	435.40	AS
S-75	4/25/1985	459.50	22.88	436.62	AS
S-75	6/07/1985	459.50	17.70	441.80	AS
S-75	8/08/1985	459.50	21.18	438.32	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-75	6/04/1990	459.50	25.54	433.96	AS
S-75	11/22/1994	461.68	29.92	431.76	AS
S-75	12/29/1994	461.68	30.06	431.62	AS
S-75	1/30/1995	461.68	29.12	432.56	AS
S-75	3/03/1995	461.68	29.85	431.83	AS
S-75	3/30/1995	461.68	29.42	432.26	AS
S-75	4/28/1995	461.68	29.22	432.46	AS
S-75	5/26/1995	461.68	25.66	436.02	AS
S-75	6/30/1995	461.68	26.61	435.07	AS
S-75	7/28/1995	461.68	26.88	434.80	AS
S-75	8/03/1995	461.68	26.88	434.80	AS
S-75	8/31/1995	461.68	27.41	434.27	AS
S-75	10/02/1995	461.68	28.91	432.77	AS
S-75	10/31/1995	461.68	29.56	432.12	AS
S-75	11/30/1995	461.68	29.81	431.87	AS
S-75	12/15/1995	461.68	31.50	430.18	AS
S-75	1/05/1996	461.68	29.90	431.78	AS
S-75	2/05/1996	461.68	32.05	429.63	AS
S-75	3/04/1996	461.68	32.08	429.60	AS
S-75	4/02/1996	461.68	30.07	431.61	AS
S-75	4/03/1996	461.68	31.88	429.80	AS
S-75	5/03/1996	461.68	31.09	430.59	AS
S-75	6/13/1996	461.68	28.41	433.27	AS
S-75	7/05/1996	461.68	27.23	434.45	AS
S-75	7/12/1996	461.68	29.58	432.10	AS
S-75	8/08/1996	461.68	29.58	432.10	AS
S-75	9/06/1996	461.68	31.07	430.61	AS
S-75	10/02/1996	461.68	29.20	432.48	AS
S-75	2/04/1997	461.68	30.48	431.20	AS
S-75	5/09/1997	461.68	29.78	431.90	AS
S-76	11/16/1979	477.10	47.00	430.10	AS
S-76	9/05/1980	477.10	48.00	429.10	AS
S-76	3/17/1981	477.10	50.50	426.60	AS
S-76	12/10/1981	477.10	47.00	430.10	AS
S-76	3/25/1982	477.10	44.90	432.20	AS
S-76	8/20/1982	477.10	45.30	431.80	AS
S-76	11/16/1982	477.10	44.00	433.10	AS
S-76	2/09/1983	477.10	43.30	433.80	AS
S-76	5/16/1983	477.10	40.60	436.50	AS
S-76	8/02/1983	477.10	42.00	435.10	AS
S-76	11/15/1983	477.10	44.60	432.50	AS
S-76	12/01/1983	477.10	43.77	433.33	AS
S-76	12/16/1983	477.10	42.85	434.25	AS
S-76	1/03/1984	477.10	43.63	433.47	AS
S-76	1/13/1984	477.10	43.99	433.11	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-76	1/20/1984	477.10	44.66	432.44	AS
S-76	1/27/1984	477.10	44.70	432.40	AS
S-76	2/03/1984	477.10	44.75	432.35	AS
S-76	2/08/1984	477.10	45.10	432.00	AS
S-76	2/10/1984	477.10	45.23	431.87	AS
S-76	2/16/1984	477.10	44.57	432.53	AS
S-76	2/23/1984	477.10	44.59	432.51	AS
S-76	3/01/1984	477.10	44.03	433.07	AS
S-76	3/09/1984	477.10	43.26	433.84	AS
S-76	3/15/1984	477.10	42.76	434.34	AS
S-76	3/22/1984	477.10	42.01	435.09	AS
S-76	4/27/1984	477.10	40.70	436.40	AS
S-76	5/02/1984	477.10	40.40	436.70	AS
S-76	5/23/1984	477.10	40.50	436.60	AS
S-76	6/27/1984	477.10	40.54	436.56	AS
S-76	8/08/1984	477.10	42.21	434.89	AS
S-76	8/20/1984	477.10	42.95	434.15	AS
S-76	8/24/1984	477.10	43.36	433.74	AS
S-76	8/29/1984	477.10	43.69	433.41	AS
S-76	10/26/1984	477.10	42.80	434.30	AS
S-76	12/19/1984	477.10	42.60	434.50	AS
S-76	3/30/1985	477.10	40.92	436.18	AS
S-76	4/25/1985	477.10	40.04	437.06	AS
S-76	6/07/1985	477.10	41.79	435.31	AS
S-76	8/08/1985	477.10	43.24	433.86	AS
S-8	10/31/1995	443.63	11.85	431.78	AS
S-8	11/30/1995	443.63	12.52	431.11	AS
S-8	12/15/1995	443.63	13.02	430.61	AS
S-8	1/05/1996	443.63	13.19	430.44	AS
S-8	2/05/1996	443.63	13.67	429.96	AS
S-8	3/04/1996	443.63	14.33	429.30	AS
S-8	4/02/1996	443.63	14.50	429.13	AS
S-8	4/30/1996	443.63	13.03	430.60	AS
S-8	5/03/1996	443.63	12.58	431.05	AS
S-8	6/13/1996	443.63	8.52	435.11	AS
S-8	7/05/1996	443.63	9.11	434.52	AS
S-8	7/12/1996	443.63	9.36	434.27	AS
S-8	8/08/1996	443.63	10.04	433.59	AS
S-8	9/06/1996	443.63	11.15	432.48	AS
S-8	10/02/1996	443.63	11.51	432.12	AS
S-8	2/03/1997	443.63	12.40	431.23	AS
S-8	5/09/1997	443.63	9.21	434.42	AS
S-8	7/30/2012	443.93	15.00	428.93	AS
S-8	8/09/2012	443.93	14.51	429.42	AS
S-8	4/02/2013	443.93	17.24	426.69	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-8	4/04/2013	443.93	16.66	427.27	AS
S-8	7/08/2013	443.93	11.05	432.88	AS
S-8	7/12/2013	443.93	10.65	433.28	AS
S-8	9/30/2013	443.93	14.32	429.61	AS
S-8	10/01/2013	443.93	13.82	430.11	AS
S-80	8/28/1984	452.98	18.95	434.03	AS
S-80	8/29/1984	452.98	17.88	435.10	AS
S-80	8/29/1984	452.98	18.17	434.81	AS
S-80	8/29/1984	452.98	17.40	435.58	AS
S-80	10/03/1984	452.98	18.60	434.38	AS
S-80	10/26/1984	452.98	17.10	435.88	AS
S-80	12/19/1984	452.98	14.40	438.58	AS
S-80	3/30/1985	452.98	11.50	441.48	AS
S-80	4/17/1985	452.98	9.90	443.08	AS
S-80	4/25/1985	452.98	11.29	441.69	AS
S-80	6/07/1985	452.98	14.18	438.80	AS
S-80	8/08/1985	452.98	15.62	437.36	AS
S-80	12/13/1985	452.98	10.90	442.08	AS
S-80	5/19/1986	452.98	16.65	436.33	AS
S-80	6/04/1990	452.98	13.72	439.26	AS
S-80	11/22/1994	452.71	19.15	433.56	AS
S-80	12/29/1994	452.71	18.97	433.74	AS
S-80	1/30/1995	452.71	17.48	435.23	AS
S-80	3/03/1995	452.71	16.96	435.75	AS
S-80	3/30/1995	452.71	16.17	436.54	AS
S-80	4/28/1995	452.71	16.28	436.43	AS
S-80	5/26/1995	452.71	16.34	436.37	AS
S-80	6/30/1995	452.71	13.91	438.80	AS
S-80	7/28/1995	452.71	14.69	438.02	AS
S-80	8/03/1995	452.71	14.69	438.02	AS
S-80	8/31/1995	452.71	14.85	437.86	AS
S-80	10/02/1995	452.71	15.82	436.89	AS
S-80	10/31/1995	452.71	16.55	436.16	AS
S-80	11/30/1995	452.71	17.77	434.94	AS
S-80	1/05/1996	452.71	18.87	433.84	AS
S-80	4/02/1996	452.71	18.99	433.72	AS
S-80	7/05/1996	452.71	NA	NA	AS
S-82	8/24/1984	450.29	14.99	435.30	AS
S-82	8/27/1984	450.29	18.20	432.09	AS
S-82	8/29/1984	450.29	18.25	432.04	AS
S-82	10/03/1984	450.29	18.34	431.95	AS
S-82	10/26/1984	450.29	17.51	432.78	AS
S-82	12/19/1984	450.29	17.50	432.79	AS
S-82	3/30/1985	450.29	15.00	435.29	AS
S-82	4/17/1985	450.29	15.00	435.29	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-82	4/25/1985	450.29	15.46	434.83	AS
S-82	6/07/1985	450.29	15.56	434.73	AS
S-82	8/08/1985	450.29	17.53	432.76	AS
S-82	12/12/1985	450.29	18.00	432.29	AS
S-82	5/20/1986	450.29	14.40	435.89	AS
S-82	6/04/1990	450.29	17.78	432.51	AS
S-82	11/22/1994	449.78	19.82	429.96	AS
S-82	12/29/1994	449.78	19.88	429.90	AS
S-82	1/30/1995	449.78	19.05	430.73	AS
S-82	3/03/1995	449.78	19.35	430.43	AS
S-82	3/30/1995	449.78	19.32	430.46	AS
S-82	4/28/1995	449.78	18.71	431.07	AS
S-82	5/26/1995	449.78	9.77	440.01	AS
S-82	6/30/1995	449.78	14.30	435.48	AS
S-82	7/28/1995	449.78	15.02	434.76	AS
S-82	8/03/1995	449.78	15.02	434.76	AS
S-82	8/31/1995	449.78	15.91	433.87	AS
S-82	10/02/1995	449.78	17.40	432.38	AS
S-82	10/31/1995	449.78	18.11	431.67	AS
S-82	11/30/1995	449.78	18.43	431.35	AS
S-82	12/15/1995	449.78	18.30	431.48	AS
S-82	1/05/1996	449.78	19.15	430.63	AS
S-82	2/06/1996	449.78	19.24	430.54	AS
S-82	3/05/1996	449.78	19.86	429.92	AS
S-82	4/02/1996	449.78	20.09	429.69	AS
S-82	4/30/1996	449.78	19.06	430.72	AS
S-82	5/03/1996	449.78	18.56	431.22	AS
S-82	6/13/1996	449.78	14.85	434.93	AS
S-82	7/05/1996	449.78	15.69	434.09	AS
S-82	7/12/1996	449.78	15.31	434.47	AS
S-82	8/08/1996	449.78	16.00	433.78	AS
S-82	9/06/1996	449.78	16.88	432.90	AS
S-82	10/02/1996	449.78	17.59	432.19	AS
S-82	2/03/1997	449.78	17.91	431.87	AS
S-82	5/09/1997	449.78	15.21	434.57	AS
S-82	5/22/2000	449.78	20.93	428.85	AS
S-82	3/23/2004	449.78	22.26	427.52	AS
S-82	3/29/2004	449.78	21.27	428.51	AS
S-82	5/10/2004	449.78	20.89	428.89	AS
S-82	5/11/2004	449.78	20.62	429.16	AS
S-82	7/30/2012	450.11	21.06	429.05	AS
S-82	8/10/2012	450.11	20.60	429.51	AS
S-82	4/02/2013	450.11	23.01	427.10	AS
S-82	4/09/2013	450.11	22.24	427.87	AS
S-82	7/08/2013	450.11	17.52	432.59	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-82	7/11/2013	450.11	17.09	433.02	AS
S-82	9/30/2013	450.11	20.37	429.74	AS
S-82	10/08/2013	450.11	20.13	429.98	AS
S-84	8/24/1984	456.52	23.70	432.82	AS
S-84	8/27/1984	456.52	23.91	432.61	AS
S-84	8/30/1984	456.52	23.28	433.24	AS
S-84	10/03/1984	456.52	24.32	432.20	AS
S-84	10/26/1984	456.52	23.20	433.32	AS
S-84	12/19/1984	456.52	23.30	433.22	AS
S-84	3/30/1985	456.52	20.33	436.19	AS
S-84	4/25/1985	456.52	20.85	435.67	AS
S-84	6/04/1985	456.52	22.25	434.27	AS
S-84	6/07/1985	456.52	21.16	435.36	AS
S-84	8/08/1985	456.52	22.96	433.56	AS
S-84	12/13/1985	456.52	19.85	436.67	AS
S-84	5/20/1986	456.52	24.19	432.33	AS
S-84	6/04/1990	456.52	24.52	432.00	AS
S-84	8/05/1993	456.52	20.52	436.00	AS
S-84	11/22/1994	455.83	26.59	429.24	AS
S-84	12/29/1994	455.83	26.60	429.23	AS
S-84	1/30/1995	455.83	25.67	430.16	AS
S-84	3/03/1995	455.83	25.92	429.91	AS
S-84	3/30/1995	455.83	25.89	429.94	AS
S-84	4/28/1995	455.83	25.68	430.15	AS
S-84	5/26/1995	455.83	20.24	435.59	AS
S-84	6/30/1995	455.83	20.88	434.95	AS
S-84	7/28/1995	455.83	21.49	434.34	AS
S-84	8/03/1995	455.83	21.49	434.34	AS
S-84	8/31/1995	455.83	22.26	433.57	AS
S-84	10/02/1995	455.83	24.02	431.81	AS
S-84	10/31/1995	455.83	24.67	431.16	AS
S-84	11/30/1995	455.83	25.21	430.62	AS
S-84	1/05/1996	455.83	25.87	429.96	AS
S-84	4/02/1996	455.83	27.07	428.76	AS
S-84	7/05/1996	455.83	22.15	433.68	AS
S-84	7/12/1996	455.83	23.31	432.52	AS
S-84	8/08/1996	455.83	24.00	431.83	AS
S-84	9/06/1996	455.83	25.03	430.80	AS
S-84	10/02/1996	455.83	24.42	431.41	AS
S-84	2/04/1997	455.83	25.69	430.14	AS
S-84	5/09/1997	455.83	23.08	432.75	AS
S-84	5/26/1998	455.83	22.50	433.33	AS
S-84	11/09/1998	455.83	23.88	431.95	AS
S-84	11/19/1999	455.83	27.43	428.40	AS
S-84	5/22/2000	455.83	29.08	426.75	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-84	5/20/2002	455.83	24.25	431.58	AS
S-84	11/18/2002	455.83	27.62	428.21	AS
S-84	5/27/2003	455.83	30.27	425.56	AS
S-84	11/19/2003	455.83	29.94	425.89	AS
S-84	3/23/2004	455.83	27.85	427.98	AS
S-84	3/29/2004	455.83	28.12	427.71	AS
S-84	5/10/2004	455.83	28.39	427.44	AS
S-84	5/12/2004	455.83	27.45	428.38	AS
S-84	11/16/2004	455.83	28.11	427.72	AS
S-84	5/23/2005	455.83	27.98	427.85	AS
S-84	11/17/2005	455.83	29.57	426.26	AS
S-84	5/31/2006	455.83	32.01	423.82	AS
S-84	11/30/2006	455.83	32.49	423.34	AS
S-84	5/31/2007	455.83	29.37	426.46	AS
S-84	11/06/2007	455.83	28.83	427.00	AS
S-84	5/06/2008	455.83	24.55	431.28	AS
S-84	11/03/2008	455.83	24.61	431.22	AS
S-84	5/05/2009	455.83	25.67	430.16	AS
S-84	11/02/2009	455.83	22.80	433.03	AS
S-84	5/18/2010	455.83	22.68	433.15	AS
S-84	11/09/2010	455.83	25.03	430.80	AS
S-84	5/09/2011	455.83	22.69	433.14	AS
S-84	11/16/2011	455.83	25.31	430.52	AS
S-84	5/09/2012	457.04	25.62	431.42	AS
S-84	7/30/2012	457.04	27.65	429.39	AS
S-84	8/06/2012	457.04	27.27	429.77	AS
S-84	11/26/2012	457.04	29.15	427.89	AS
S-84	4/02/2013	457.04	30.10	426.94	AS
S-84	4/11/2013	457.04	29.29	427.75	AS
S-84	4/12/2013	457.04	29.43	427.61	AS
S-84	7/08/2013	457.04	24.01	433.03	AS
S-84	7/10/2013	457.04	23.38	433.66	AS
S-84	9/30/2013	457.04	27.01	430.03	AS
S-84	10/09/2013	457.04	26.71	430.33	AS
S-84	5/27/2014	457.04	28.78	428.26	AS
S-84	9/22/2014	457.04	26.35	430.69	AS
S-84	11/18/2014	457.04	25.86	431.18	AS
S-84	2/02/2015	457.04	27.13	429.91	AS
S-84	5/12/2015	457.04	26.92	430.12	AS
S-84	8/18/2015	457.04	21.02	436.02	AS
S-84	11/16/2015	457.04	25.57	431.47	AS
S-84	2/29/2016	457.04	27.81	429.23	AS
S-84	5/31/2016	457.04	23.09	433.95	AS
S-84	8/22/2016	457.04	23.55	433.49	AS
S-84	8/31/2016	457.04	24.02	433.02	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-84	9/06/2016	457.04	24.29	432.75	AS
S-84	11/07/2016	457.04	24.11	432.93	AS
S-84	2/06/2017	457.04	27.09	429.95	AS
S-84	2/17/2017	457.04	27.34	429.70	AS
S-84	5/01/2017	457.04	25.52	431.52	AS
S-84	5/15/2017	457.04	22.69	434.35	AS
S-84	8/28/2017	457.04	24.55	432.49	AS
S-84	11/02/2017	457.04	26.16	430.88	AS
S-84	11/10/2017	457.04	26.35	430.69	AS
S-84	2/14/2018	457.04	28.70	428.34	AS
S-84	8/06/2018	457.04	25.89	431.15	AS
S-84	11/13/2018	457.04	24.70	432.34	AS
S-88	8/15/1984	462.33	26.73	435.60	AS
S-88	8/16/1984	462.33	29.30	433.03	AS
S-88	8/20/1984	462.33	29.50	432.83	AS
S-88	8/21/1984	462.33	29.46	432.87	AS
S-88	8/24/1984	462.33	29.90	432.43	AS
S-88	8/29/1984	462.33	30.20	432.13	AS
S-88	10/03/1984	462.33	30.34	431.99	AS
S-88	10/26/1984	462.33	29.50	432.83	AS
S-88	12/19/1984	462.33	29.40	432.93	AS
S-88	3/30/1985	462.33	27.00	435.33	AS
S-88	4/25/1985	462.33	27.50	434.83	AS
S-88	6/04/1985	462.33	28.81	433.52	AS
S-88	6/07/1985	462.33	27.71	434.62	AS
S-88	8/08/1985	462.33	29.65	432.68	AS
S-88	12/11/1985	462.33	26.48	435.85	AS
S-88	5/20/1986	462.33	29.79	432.54	AS
S-88	6/04/1990	462.33	30.25	432.08	AS
S-88	11/22/1994	462.36	32.18	430.18	AS
S-88	12/29/1994	462.36	32.44	429.92	AS
S-88	1/30/1995	462.36	31.51	430.85	AS
S-88	3/03/1995	462.36	29.41	432.95	AS
S-88	3/30/1995	462.36	31.90	430.46	AS
S-88	4/28/1995	462.36	31.43	430.93	AS
S-88	5/26/1995	462.36	26.90	435.46	AS
S-88	6/30/1995	462.36	27.62	434.74	AS
S-88	7/28/1995	462.36	27.73	434.63	AS
S-88	8/03/1995	462.36	27.73	434.63	AS
S-88	8/31/1995	462.36	28.60	433.76	AS
S-88	10/02/1995	462.36	30.01	432.35	AS
S-88	10/31/1995	462.36	30.72	431.64	AS
S-88	11/30/1995	462.36	29.95	432.41	AS
S-88	1/05/1996	462.36	31.71	430.65	AS
S-88	2/05/1996	462.36	32.70	429.66	AS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
S-88	3/05/1996	462.36	33.42	428.94	AS
S-88	4/02/1996	462.36	33.67	428.69	AS
S-88	4/30/1996	462.36	32.96	429.40	AS
S-88	5/01/1996	462.36	32.90	429.46	AS
S-88	5/02/1996	462.36	32.64	429.72	AS
S-88	5/03/1996	462.36	32.60	429.76	AS
S-88	6/13/1996	462.36	28.82	433.54	AS
S-88	7/05/1996	462.36	28.43	433.93	AS
S-88	7/12/1996	462.36	29.08	433.28	AS
S-88	8/08/1996	462.36	29.76	432.60	AS
S-88	9/06/1996	462.36	30.58	431.78	AS
S-88	10/02/1996	462.36	30.26	432.10	AS
S-88	2/04/1997	462.36	31.42	430.94	AS
S-88	5/09/1997	462.36	28.96	433.40	AS
S-88	8/11/1997	462.36	30.97	431.39	AS
S-88	11/06/1997	462.36	31.90	430.46	AS
S-88	5/26/1998	462.36	29.01	433.35	AS
S-88	11/09/1998	462.36	29.67	432.69	AS
S-88	5/14/1999	462.36	30.00	432.36	AS
S-88	5/22/2000	462.36	34.59	427.77	AS
D-89	8/27/1984	456.70	24.00	432.70	AI
D-89	8/28/1984	456.70	22.30	434.40	AI
D-89	8/29/1984	456.70	24.50	432.20	AI
D-89	10/03/1984	456.70	24.73	431.97	AI
D-89	10/26/1984	456.70	23.65	433.05	AI
D-89	12/19/1984	456.70	23.60	433.10	AI
D-89	3/30/1985	456.70	21.25	435.45	AI
D-89	4/25/1985	456.70	22.13	434.57	AI
D-89	6/04/1985	456.70	22.95	433.75	AI
D-89	6/07/1985	456.70	22.01	434.69	AI
D-89	8/08/1985	456.70	24.10	432.60	AI
D-89	12/13/1985	456.70	21.07	435.63	AI
D-89	5/19/1986	456.70	24.79	431.91	AI
D-89	6/04/1990	456.70	24.28	432.42	AI
D-90	12/13/1985	450.20	13.87	436.33	AI
D-90	5/19/1986	450.20	15.38	434.82	AI
D-90	6/04/1990	450.20	15.62	434.58	AI
D-91	12/13/1985	452.97	15.42	437.55	AI
D-91	5/19/1986	452.97	19.29	433.68	AI
I-11	10/31/1995	479.87	48.14	431.73	AI
I-11	11/30/1995	479.87	48.61	431.26	AI
I-11	12/15/1995	479.87	49.10	430.77	AI
I-11	1/05/1996	479.87	49.35	430.52	AI
I-11	2/05/1996	479.87	49.86	430.01	AI
I-11	3/04/1996	479.87	50.42	429.45	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-11	4/02/1996	479.87	50.75	429.12	AI
I-11	4/30/1996	479.87	49.79	430.08	AI
I-11	5/03/1996	479.87	49.16	430.71	AI
I-11	6/13/1996	479.87	45.26	434.61	AI
I-11	7/05/1996	479.87	45.69	434.18	AI
I-11	7/12/1996	479.87	45.78	434.09	AI
I-11	8/08/1996	479.87	46.49	433.38	AI
I-11	9/06/1996	479.87	47.38	432.49	AI
I-11	10/02/1996	479.87	47.74	432.13	AI
I-11	2/03/1997	479.87	48.60	431.27	AI
I-11	5/09/1997	479.87	45.53	434.34	AI
I-11	5/22/2000	479.87	51.65	428.22	AI
I-11	3/23/2004	479.87	52.11	427.76	AI
I-11	3/24/2004	479.87	51.84	428.03	AI
I-11	5/10/2004	479.87	51.17	428.70	AI
I-11	5/12/2004	479.87	50.91	428.96	AI
I-11	7/30/2012	480.11	51.07	429.04	AI
I-11	8/08/2012	480.11	50.85	429.26	AI
I-11	4/02/2013	480.11	53.27	426.84	AI
I-11	4/04/2013	480.11	52.61	427.50	AI
I-11	7/08/2013	480.11	47.40	432.71	AI
I-11	7/15/2013	480.11	47.28	432.83	AI
I-11	9/30/2013	480.11	50.39	429.72	AI
I-11	10/01/2013	480.11	49.97	430.14	AI
I-2	8/31/1995	446.01	12.03	433.98	AI
I-2	10/02/1995	446.01	13.68	432.33	AI
I-2	10/31/1995	446.01	14.31	431.70	AI
I-2	11/30/1995	446.01	14.76	431.25	AI
I-2	12/15/1995	446.01	15.40	430.61	AI
I-2	1/05/1996	446.01	15.47	430.54	AI
I-2	2/05/1996	446.01	16.06	429.95	AI
I-2	3/04/1996	446.01	16.67	429.34	AI
I-2	4/02/1996	446.01	16.90	429.11	AI
I-2	4/30/1996	446.01	15.80	430.21	AI
I-2	5/01/1996	446.01	15.60	430.41	AI
I-2	5/02/1996	446.01	15.37	430.64	AI
I-2	5/03/1996	446.01	15.26	430.75	AI
I-2	6/13/1996	446.01	11.48	434.53	AI
I-2	7/05/1996	446.01	11.92	434.09	AI
I-2	7/12/1996	446.01	12.06	433.95	AI
I-2	8/08/1996	446.01	12.75	433.26	AI
I-2	9/06/1996	446.01	13.68	432.33	AI
I-2	10/02/1996	446.01	13.90	432.11	AI
I-2	2/03/1997	446.01	14.74	431.27	AI
I-2	5/09/1997	446.01	11.95	434.06	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-2	5/22/2000	446.01	12.85	433.16	AI
I-2	3/23/2004	446.01	17.95	428.06	AI
I-2	3/25/2004	446.01	17.91	428.10	AI
I-2	5/10/2004	446.01	16.98	429.03	AI
I-2	5/11/2004	446.01	17.00	429.01	AI
I-4	8/31/1995	468.17	34.19	433.98	AI
I-4	10/02/1995	468.17	35.75	432.42	AI
I-4	10/31/1995	468.17	36.45	431.72	AI
I-4	11/30/1995	468.17	38.85	429.32	AI
I-4	12/15/1995	468.17	37.32	430.85	AI
I-4	1/05/1996	468.17	37.62	430.55	AI
I-4	2/06/1996	468.17	38.04	430.13	AI
I-4	3/04/1996	468.17	38.45	429.72	AI
I-4	4/02/1996	468.17	38.92	429.25	AI
I-4	4/30/1996	468.17	38.12	430.05	AI
I-4	5/01/1996	468.17	37.99	430.18	AI
I-4	5/02/1996	468.17	37.75	430.42	AI
I-4	5/03/1996	468.17	37.64	430.53	AI
I-4	6/13/1996	468.17	33.68	434.49	AI
I-4	7/05/1996	468.17	33.96	434.21	AI
I-4	7/12/1996	468.17	34.05	434.12	AI
I-4	8/08/1996	468.17	34.73	433.44	AI
I-4	9/06/1996	468.17	34.58	433.59	AI
I-4	10/02/1996	468.17	35.95	432.22	AI
I-4	2/03/1997	468.17	36.46	431.71	AI
I-4	5/09/1997	468.17	33.75	434.42	AI
I-4	8/11/1997	468.17	35.90	432.27	AI
I-4	11/06/1997	468.17	36.96	431.21	AI
I-4	2/10/1998	468.17	36.70	431.47	AI
I-4	5/26/1998	468.17	33.43	434.74	AI
I-4	11/09/1998	468.17	34.30	433.87	AI
I-4	5/14/1999	468.17	33.52	434.65	AI
I-4	11/19/1999	468.17	37.66	430.51	AI
I-4	5/22/2000	468.17	39.40	428.77	AI
I-4	5/20/2002	468.17	35.81	432.36	AI
I-4	11/18/2002	468.17	38.49	429.68	AI
I-4	5/27/2003	468.17	40.12	428.05	AI
I-4	11/19/2003	468.17	39.87	428.30	AI
I-4	3/23/2004	468.17	41.59	426.58	AI
I-4	3/29/2004	468.17	38.93	429.24	AI
I-4	5/10/2004	468.17	38.24	429.93	AI
I-4	5/12/2004	468.17	38.26	429.91	AI
I-4	11/16/2004	468.17	38.08	430.09	AI
I-4	5/23/2005	468.17	37.42	430.75	AI
I-4	11/17/2005	468.17	39.05	429.12	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-4	5/31/2006	468.17	41.42	426.75	AI
I-4	11/30/2006	468.17	41.90	426.27	AI
I-4	5/31/2007	468.17	37.73	430.44	AI
I-4	11/06/2007	468.17	37.43	430.74	AI
I-4	5/06/2008	468.17	33.14	435.03	AI
I-4	11/03/2008	468.17	33.14	435.03	AI
I-4	5/05/2009	468.17	34.13	434.04	AI
I-4	11/02/2009	468.17	31.95	436.22	AI
I-4	5/18/2010	468.17	31.69	436.48	AI
I-4	11/09/2010	468.17	33.51	434.66	AI
I-4	5/09/2011	468.17	31.73	436.44	AI
I-4	11/11/2011	468.17	32.96	435.21	AI
I-4	11/16/2011	468.17	34.01	434.16	AI
I-4	5/09/2012	465.74	30.69	435.05	AI
I-4	7/30/2012	465.74	35.96	429.78	AI
I-4	8/14/2012	465.74	36.61	429.13	AI
I-4	11/26/2012	465.74	38.54	427.20	AI
I-4	4/02/2013	465.74	38.73	427.01	AI
I-4	4/12/2013	465.74	38.77	426.97	AI
I-4	4/12/2013	465.74	36.52	429.22	AI
I-4	7/08/2013	465.74	32.86	432.88	AI
I-4	7/09/2013	465.74	32.51	433.23	AI
I-4	9/30/2013	465.74	35.65	430.09	AI
I-4	10/07/2013	465.74	35.71	430.03	AI
I-4	5/27/2014	465.74	37.79	427.95	AI
I-4	9/22/2014	465.74	35.28	430.46	AI
I-4	11/18/2014	465.74	34.86	430.88	AI
I-4	2/02/2015	465.74	36.28	429.46	AI
I-4	5/12/2015	465.74	35.96	429.78	AI
I-4	8/18/2015	465.74	30.61	435.13	AI
I-4	8/22/2016	465.74	NA	NA	AI
I-4	8/31/2016	465.74	32.67	433.07	AI
I-4	8/31/2016	465.74	32.67	433.07	AI
I-4	11/07/2016	465.74	32.82	432.92	AI
I-4	2/06/2017	465.74	35.55	430.19	AI
I-4	2/15/2017	465.74	Dry	Dry	AI
I-4	5/01/2017	465.74	34.49	431.25	AI
I-4	5/11/2017	465.74	32.05	433.69	AI
I-50	11/16/1979	453.08	NA	NA	AI
I-50	9/05/1980	453.08	NA	NA	AI
I-50	3/17/1981	453.08	NA	NA	AI
I-50	12/10/1981	453.08	NA	NA	AI
I-50	3/25/1982	453.08	NA	NA	AI
I-50	8/20/1982	453.08	NA	NA	AI
I-50	11/16/1982	453.08	NA	NA	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-50	2/09/1983	453.08	NA	NA	AI
I-50	5/16/1983	453.08	NA	NA	AI
I-50	8/02/1983	453.08	NA	NA	AI
I-50	11/15/1983	453.08	21.23	431.85	AI
I-50	12/01/1983	453.08	19.34	433.74	AI
I-50	12/16/1983	453.08	18.67	434.41	AI
I-50	1/03/1984	453.08	19.67	433.41	AI
I-50	1/13/1984	453.08	20.25	432.83	AI
I-50	1/20/1984	453.08	21.02	432.06	AI
I-50	1/27/1984	453.08	20.70	432.38	AI
I-50	2/03/1984	453.08	20.81	432.27	AI
I-50	2/08/1984	453.08	NA	NA	AI
I-50	2/10/1984	453.08	20.65	432.43	AI
I-50	2/16/1984	453.08	20.14	432.94	AI
I-50	2/23/1984	453.08	20.20	432.88	AI
I-50	3/01/1984	453.08	19.12	433.96	AI
I-50	3/09/1984	453.08	18.18	434.90	AI
I-50	3/15/1984	453.08	18.09	434.99	AI
I-50	3/22/1984	453.08	16.91	436.17	AI
I-50	4/26/1984	453.08	15.80	437.28	AI
I-50	5/02/1984	453.08	NA	NA	AI
I-50	6/24/1984	453.08	16.97	436.11	AI
I-50	8/08/1984	453.08	18.02	435.06	AI
I-50	8/20/1984	453.08	19.50	433.58	AI
I-50	8/29/1984	453.08	20.33	432.75	AI
I-50	10/03/1984	453.08	20.40	432.68	AI
I-50	10/26/1984	453.08	18.80	434.28	AI
I-50	12/19/1984	453.08	18.50	434.58	AI
I-50	3/30/1985	453.08	15.50	437.58	AI
I-50	4/25/1985	453.08	17.13	435.95	AI
I-50	6/07/1985	453.08	19.96	433.12	AI
I-50	8/08/1985	453.08	19.14	433.94	AI
I-50	6/04/1990	453.08	18.53	434.55	AI
I-50	11/22/1994	453.26	22.02	431.24	AI
I-50	12/29/1994	453.26	22.27	430.99	AI
I-50	1/30/1995	453.26	21.26	432.00	AI
I-50	3/03/1995	453.26	21.76	431.50	AI
I-50	3/30/1995	453.26	21.65	431.61	AI
I-50	4/28/1995	453.26	21.13	432.13	AI
I-50	5/26/1995	453.26	16.60	436.66	AI
I-50	6/30/1995	453.26	17.40	435.86	AI
I-50	7/28/1995	453.26	19.96	433.30	AI
I-50	8/31/1995	453.26	18.74	434.52	AI
I-50	10/02/1995	453.26	20.27	432.99	AI
I-50	10/31/1995	453.26	21.00	432.26	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-50	11/30/1995	453.26	21.03	432.23	AI
I-50	1/04/1996	453.26	21.57	431.69	AI
I-50	1/05/1996	453.26	21.57	431.69	AI
I-50	4/02/1996	453.26	23.05	430.21	AI
I-50	4/03/1996	453.26	23.05	430.21	AI
I-50	7/05/1996	453.26	NA	NA	AI
I-55	11/16/1979	474.70	44.50	430.20	AI
I-55	9/05/1980	474.70	45.50	429.20	AI
I-55	3/17/1981	474.70	48.00	426.70	AI
I-55	12/10/1981	474.70	44.00	430.70	AI
I-55	3/25/1982	474.70	41.70	433.00	AI
I-55	8/20/1982	474.70	32.90	441.80	AI
I-55	11/16/1982	474.70	35.50	439.20	AI
I-55	2/09/1983	474.70	41.20	433.50	AI
I-55	5/16/1983	474.70	38.00	436.70	AI
I-55	8/02/1983	474.70	39.40	435.30	AI
I-55	11/15/1983	474.70	42.30	432.40	AI
I-55	12/01/1983	474.70	40.96	433.74	AI
I-55	12/16/1983	474.70	39.88	434.82	AI
I-55	1/03/1984	474.70	41.42	433.28	AI
I-55	1/13/1984	474.70	41.86	432.84	AI
I-55	1/20/1984	474.70	42.25	432.45	AI
I-55	1/27/1984	474.70	42.18	432.52	AI
I-55	2/03/1984	474.70	42.36	432.34	AI
I-55	2/08/1984	474.70	42.30	432.40	AI
I-55	2/10/1984	474.70	42.15	432.55	AI
I-55	2/16/1984	474.70	41.95	432.75	AI
I-55	2/23/1984	474.70	41.48	433.22	AI
I-55	3/01/1984	474.70	41.34	433.36	AI
I-55	3/09/1984	474.70	40.60	434.10	AI
I-55	3/15/1984	474.70	40.05	434.65	AI
I-55	3/22/1984	474.70	39.35	435.35	AI
I-55	4/26/1984	474.70	38.00	436.70	AI
I-55	5/02/1984	474.70	37.70	437.00	AI
I-55	5/23/1984	474.70	37.90	436.80	AI
I-55	6/27/1984	474.70	38.02	436.68	AI
I-55	8/08/1984	474.70	39.55	435.15	AI
I-55	8/20/1984	474.70	40.40	434.30	AI
I-55	8/29/1984	474.70	41.13	433.57	AI
I-55	10/03/1984	474.70	41.15	433.55	AI
I-55	10/26/1984	474.70	40.20	434.50	AI
I-55	12/19/1984	474.70	40.20	434.50	AI
I-55	3/30/1985	474.70	37.83	436.87	AI
I-55	4/25/1985	474.70	38.63	436.07	AI
I-55	6/07/1985	474.70	38.52	436.18	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-55	8/08/1985	474.70	40.73	433.97	AI
I-55	6/04/1990	474.70	39.96	434.74	AI
I-56	11/16/1979	478.00	47.70	430.30	AI
I-56	9/05/1980	478.00	50.20	427.80	AI
I-56	3/17/1981	478.00	51.00	427.00	AI
I-56	12/10/1981	478.00	47.50	430.50	AI
I-56	3/25/1982	478.00	44.50	433.50	AI
I-56	11/16/1982	478.00	26.10	451.90	AI
I-56	2/09/1983	478.00	45.20	432.80	AI
I-56	5/16/1983	478.00	41.60	436.40	AI
I-56	8/02/1983	478.00	43.20	434.80	AI
I-56	11/15/1983	478.00	45.50	432.50	AI
I-56	12/01/1983	478.00	44.73	433.27	AI
I-56	12/16/1983	478.00	43.82	434.18	AI
I-56	1/03/1984	478.00	45.07	432.93	AI
I-56	1/13/1984	478.00	45.51	432.49	AI
I-56	1/20/1984	478.00	45.88	432.12	AI
I-56	1/27/1984	478.00	45.88	432.12	AI
I-56	2/03/1984	478.00	45.88	432.12	AI
I-56	2/08/1984	478.00	46.20	431.80	AI
I-56	2/10/1984	478.00	45.86	432.14	AI
I-56	2/16/1984	478.00	45.51	432.49	AI
I-56	2/23/1984	478.00	45.36	432.64	AI
I-56	3/01/1984	478.00	45.01	432.99	AI
I-56	3/09/1984	478.00	44.35	433.65	AI
I-56	3/15/1984	478.00	43.88	434.12	AI
I-56	3/22/1984	478.00	43.91	434.09	AI
I-56	4/25/1984	478.00	41.50	436.50	AI
I-56	4/26/1984	478.00	41.45	436.55	AI
I-56	4/27/1984	478.00	41.67	436.33	AI
I-56	5/02/1984	478.00	37.00	441.00	AI
I-56	8/08/1984	478.00	43.34	434.66	AI
I-56	8/20/1984	478.00	44.00	434.00	AI
I-56	8/29/1984	478.00	44.86	433.14	AI
I-56	10/03/1984	478.00	44.97	433.03	AI
I-56	10/26/1984	478.00	43.95	434.05	AI
I-56	12/19/1984	478.00	44.00	434.00	AI
I-56	3/30/1985	478.00	41.42	436.58	AI
I-56	4/25/1985	478.00	42.17	435.83	AI
I-56	6/07/1985	478.00	42.18	435.82	AI
I-56	8/08/1985	478.00	44.43	433.57	AI
I-56	6/04/1990	478.00	44.20	433.80	AI
I-58	11/16/1979	480.10	50.20	429.90	AI
I-58	9/05/1980	480.10	51.00	429.10	AI
I-58	3/17/1981	480.10	53.50	426.60	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-58	12/10/1981	480.10	51.00	429.10	AI
I-58	3/25/1982	480.10	47.80	432.30	AI
I-58	8/20/1982	480.10	49.30	430.80	AI
I-58	11/16/1982	480.10	48.20	431.90	AI
I-58	2/09/1983	480.10	47.60	432.50	AI
I-58	5/16/1983	480.10	43.00	437.10	AI
I-58	8/02/1983	480.10	45.00	435.10	AI
I-58	11/15/1983	480.10	44.80	435.30	AI
I-58	12/01/1983	480.10	46.95	433.15	AI
I-58	12/16/1983	480.10	45.88	434.22	AI
I-58	1/03/1984	480.10	47.22	432.88	AI
I-58	1/13/1984	480.10	47.61	432.49	AI
I-58	1/20/1984	480.10	48.04	432.06	AI
I-58	1/27/1984	480.10	47.81	432.29	AI
I-58	2/03/1984	480.10	48.20	431.90	AI
I-58	2/08/1984	480.10	48.60	431.50	AI
I-58	2/10/1984	480.10	48.01	432.09	AI
I-58	2/16/1984	480.10	47.75	432.35	AI
I-58	2/23/1984	480.10	47.70	432.40	AI
I-58	3/01/1984	480.10	47.27	432.83	AI
I-58	3/09/1984	480.10	46.44	433.66	AI
I-58	3/15/1984	480.10	46.03	434.07	AI
I-58	3/22/1984	480.10	45.19	434.91	AI
I-58	4/26/1984	480.10	43.50	436.60	AI
I-58	5/02/1984	480.10	43.00	437.10	AI
I-58	5/24/1984	480.10	43.30	436.80	AI
I-58	6/27/1984	480.10	43.55	436.55	AI
I-58	8/08/1984	480.10	45.29	434.81	AI
I-58	8/20/1984	480.10	46.15	433.95	AI
I-58	8/29/1984	480.10	46.81	433.29	AI
I-58	10/03/1984	480.10	47.02	433.08	AI
I-58	10/26/1984	480.10	46.00	434.10	AI
I-58	12/19/1984	480.10	46.00	434.10	AI
I-58	3/30/1985	480.10	43.58	436.52	AI
I-58	4/25/1985	480.10	44.04	436.06	AI
I-58	6/07/1985	480.10	44.13	435.97	AI
I-58	8/08/1985	480.10	46.41	433.69	AI
I-58	6/04/1990	480.10	45.93	434.17	AI
I-59	11/16/1979	448.27	NA	NA	AI
I-59	9/05/1980	448.27	NA	NA	AI
I-59	3/17/1981	448.27	NA	NA	AI
I-59	12/10/1981	448.27	NA	NA	AI
I-59	3/25/1982	448.27	NA	NA	AI
I-59	8/20/1982	448.27	NA	NA	AI
I-59	11/16/1982	448.27	NA	NA	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-59	2/09/1983	448.27	NA	NA	AI
I-59	5/16/1983	448.27	NA	NA	AI
I-59	8/02/1983	448.27	NA	NA	AI
I-59	11/15/1983	448.27	17.83	430.44	AI
I-59	12/01/1983	448.27	16.80	431.47	AI
I-59	12/16/1983	448.27	15.86	432.41	AI
I-59	1/03/1984	448.27	18.10	430.17	AI
I-59	1/13/1984	448.27	17.50	430.77	AI
I-59	1/20/1984	448.27	17.86	430.41	AI
I-59	1/27/1984	448.27	17.81	430.46	AI
I-59	2/03/1984	448.27	17.63	430.64	AI
I-59	2/08/1984	448.27	NA	NA	AI
I-59	2/10/1984	448.27	17.91	430.36	AI
I-59	2/16/1984	448.27	17.72	430.55	AI
I-59	2/23/1984	448.27	17.48	430.79	AI
I-59	3/01/1984	448.27	16.95	431.32	AI
I-59	3/09/1984	448.27	16.02	432.25	AI
I-59	3/15/1984	448.27	15.68	432.59	AI
I-59	3/22/1984	448.27	14.73	433.54	AI
I-59	4/26/1984	448.27	12.55	435.72	AI
I-59	5/02/1984	448.27	NA	NA	AI
I-59	5/24/1984	448.27	12.70	435.57	AI
I-59	6/27/1984	448.27	12.92	435.35	AI
I-59	8/08/1984	448.27	14.68	433.59	AI
I-59	8/20/1984	448.27	15.56	432.71	AI
I-59	8/24/1984	448.27	15.84	432.43	AI
I-59	8/29/1984	448.27	16.16	432.11	AI
I-59	10/03/1984	448.27	16.36	431.91	AI
I-59	10/26/1984	448.27	15.45	432.82	AI
I-59	12/19/1984	448.27	15.40	432.87	AI
I-59	3/30/1985	448.27	13.00	435.27	AI
I-59	4/25/1985	448.27	13.42	434.85	AI
I-59	6/07/1985	448.27	13.50	434.77	AI
I-59	8/08/1985	448.27	15.47	432.80	AI
I-59	12/13/1985	448.27	14.43	433.84	AI
I-59	5/20/1986	448.27	15.92	432.35	AI
I-59	6/04/1990	448.27	15.72	432.55	AI
I-62	11/16/1979	445.68	NA	NA	AI
I-62	9/05/1980	445.68	NA	NA	AI
I-62	3/17/1981	445.68	NA	NA	AI
I-62	12/10/1981	445.68	NA	NA	AI
I-62	3/25/1982	445.68	NA	NA	AI
I-62	8/20/1982	445.68	NA	NA	AI
I-62	11/16/1982	445.68	NA	NA	AI
I-62	2/09/1983	445.68	NA	NA	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-62	5/16/1983	445.68	NA	NA	AI
I-62	8/02/1983	445.68	NA	NA	AI
I-62	11/15/1983	445.68	15.58	430.10	AI
I-62	12/01/1983	445.68	14.61	431.07	AI
I-62	12/16/1983	445.68	13.67	432.01	AI
I-62	1/03/1984	445.68	15.36	430.32	AI
I-62	1/13/1984	445.68	14.81	430.87	AI
I-62	1/20/1984	445.68	15.17	430.51	AI
I-62	1/27/1984	445.68	15.45	430.23	AI
I-62	2/03/1984	445.68	15.48	430.20	AI
I-62	2/08/1984	445.68	NA	NA	AI
I-62	2/10/1984	445.68	15.45	430.23	AI
I-62	2/16/1984	445.68	15.33	430.35	AI
I-62	2/23/1984	445.68	15.02	430.66	AI
I-62	3/01/1984	445.68	14.41	431.27	AI
I-62	3/09/1984	445.68	13.88	431.80	AI
I-62	3/15/1984	445.68	13.27	432.41	AI
I-62	3/22/1984	445.68	12.39	433.29	AI
I-62	4/26/1984	445.68	8.90	436.78	AI
I-62	5/02/1984	445.68	NA	NA	AI
I-62	5/24/1984	445.68	9.40	436.28	AI
I-62	6/27/1984	445.68	9.86	435.82	AI
I-62	8/10/1984	445.68	11.89	433.79	AI
I-62	8/16/1984	445.68	12.40	433.28	AI
I-62	8/20/1984	445.68	12.66	433.02	AI
I-62	8/21/1984	445.68	12.78	432.90	AI
I-62	8/28/1984	445.68	13.20	432.48	AI
I-62	8/29/1984	445.68	13.35	432.33	AI
I-62	10/03/1984	445.68	13.84	431.84	AI
I-62	10/26/1984	445.68	12.95	432.73	AI
I-62	12/19/1984	445.68	12.70	432.98	AI
I-62	3/30/1985	445.68	10.04	435.64	AI
I-62	4/25/1985	445.68	10.17	435.51	AI
I-62	6/07/1985	445.68	10.32	435.36	AI
I-62	8/08/1985	445.68	12.45	433.23	AI
I-62	6/04/1990	445.68	13.30	432.38	AI
I-62	11/22/1994	445.81	15.99	429.82	AI
I-62	12/29/1994	445.81	16.07	429.74	AI
I-62	1/30/1995	445.81	15.19	430.62	AI
I-62	3/03/1995	445.81	15.47	430.34	AI
I-62	3/30/1995	445.81	15.42	430.39	AI
I-62	4/28/1995	445.81	15.03	430.78	AI
I-62	5/26/1995	445.81	9.87	435.94	AI
I-62	6/30/1995	445.81	9.90	435.91	AI
I-62	7/28/1995	445.81	10.34	435.47	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-62	8/03/1995	445.81	10.34	435.47	AI
I-62	8/31/1995	445.81	11.55	434.26	AI
I-62	10/02/1995	445.81	13.02	432.79	AI
I-62	10/31/1995	445.81	13.78	432.03	AI
I-62	11/30/1995	445.81	14.71	431.10	AI
I-62	12/15/1995	445.81	15.31	430.50	AI
I-62	1/05/1996	445.81	15.36	430.45	AI
I-62	2/05/1996	445.81	16.00	429.81	AI
I-62	3/04/1996	445.81	16.64	429.17	AI
I-62	4/02/1996	445.81	16.84	428.97	AI
I-62	4/30/1996	445.81	15.63	430.18	AI
I-62	5/03/1996	445.81	14.99	430.82	AI
I-62	6/13/1996	445.81	10.94	434.87	AI
I-62	7/05/1996	445.81	11.34	434.47	AI
I-62	7/12/1996	445.81	11.71	434.10	AI
I-62	8/08/1996	445.81	12.41	433.40	AI
I-62	9/06/1996	445.81	13.42	432.39	AI
I-62	10/02/1996	445.81	13.71	432.10	AI
I-62	2/03/1997	445.81	14.73	431.08	AI
I-62	5/09/1997	445.81	11.57	434.24	AI
I-62	7/30/2012	446.14	16.87	429.27	AI
I-62	8/09/2012	446.14	16.78	429.36	AI
I-62	4/02/2013	446.14	19.07	427.07	AI
I-62	4/04/2013	446.14	18.84	427.30	AI
I-62	7/08/2013	446.14	12.97	433.17	AI
I-62	7/12/2013	446.14	12.91	433.23	AI
I-62	9/30/2013	446.14	16.17	429.97	AI
I-62	10/01/2013	446.14	16.05	430.09	AI
I-65	11/16/1979	441.40	NA	NA	AI
I-65	9/05/1980	441.40	NA	NA	AI
I-65	3/17/1981	441.40	NA	NA	AI
I-65	12/10/1981	441.40	NA	NA	AI
I-65	3/25/1982	441.40	NA	NA	AI
I-65	8/20/1982	441.40	NA	NA	AI
I-65	11/16/1982	441.40	NA	NA	AI
I-65	2/09/1983	441.40	NA	NA	AI
I-65	5/16/1983	441.40	NA	NA	AI
I-65	8/02/1983	441.40	NA	NA	AI
I-65	11/15/1983	441.40	10.84	430.56	AI
I-65	12/01/1983	441.40	9.81	431.59	AI
I-65	12/16/1983	441.40	8.84	432.56	AI
I-65	1/03/1984	441.40	15.62	425.78	AI
I-65	1/13/1984	441.40	10.06	431.34	AI
I-65	1/20/1984	441.40	10.37	431.03	AI
I-65	1/27/1984	441.40	10.44	430.96	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-65	2/03/1984	441.40	10.70	430.70	AI
I-65	2/08/1984	441.40	NA	NA	AI
I-65	2/10/1984	441.40	10.68	430.72	AI
I-65	2/16/1984	441.40	10.58	430.82	AI
I-65	2/23/1984	441.40	10.42	430.98	AI
I-65	3/01/1984	441.40	10.18	431.22	AI
I-65	3/09/1984	441.40	9.55	431.85	AI
I-65	3/15/1984	441.40	8.94	432.46	AI
I-65	3/22/1984	441.40	8.02	433.38	AI
I-65	4/26/1984	441.40	4.50	436.90	AI
I-65	5/02/1984	441.40	NA	NA	AI
I-65	5/24/1984	441.40	5.00	436.40	AI
I-65	6/27/1984	441.40	5.46	435.94	AI
I-65	8/08/1984	441.40	7.43	433.97	AI
I-65	8/21/1984	441.40	8.42	432.98	AI
I-65	8/30/1984	441.40	9.18	432.22	AI
I-65	10/03/1984	441.40	9.45	431.95	AI
I-65	10/26/1984	441.40	8.55	432.85	AI
I-65	12/19/1984	441.40	8.40	433.00	AI
I-65	3/30/1985	441.40	5.33	436.07	AI
I-65	4/25/1985	441.40	5.83	435.57	AI
I-65	6/07/1985	441.40	6.25	435.15	AI
I-65	8/08/1985	441.40	7.98	433.42	AI
I-65	6/04/1990	441.40	9.15	432.25	AI
I-65	11/22/1994	441.42	11.60	429.82	AI
I-65	12/29/1994	441.42	11.70	429.72	AI
I-65	1/30/1995	441.42	10.83	430.59	AI
I-65	3/03/1995	441.42	11.00	430.42	AI
I-65	3/30/1995	441.42	11.03	430.39	AI
I-65	4/28/1995	441.42	10.66	430.76	AI
I-65	5/26/1995	441.42	5.31	436.11	AI
I-65	6/30/1995	441.42	7.35	434.07	AI
I-65	7/28/1995	441.42	8.12	433.30	AI
I-65	8/03/1995	441.42	8.12	433.30	AI
I-65	8/31/1995	441.42	7.04	434.38	AI
I-65	10/02/1995	441.42	8.81	432.61	AI
I-65	10/31/1995	441.42	9.66	431.76	AI
I-65	11/30/1995	441.42	10.30	431.12	AI
I-65	12/15/1995	441.42	10.76	430.66	AI
I-65	1/05/1996	441.42	11.06	430.36	AI
I-65	2/05/1996	441.42	11.42	430.00	AI
I-65	3/04/1996	441.42	12.09	429.33	AI
I-65	4/02/1996	441.42	12.33	429.09	AI
I-65	4/30/1996	441.42	11.10	430.32	AI
I-65	5/03/1996	441.42	10.55	430.87	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-65	6/13/1996	441.42	6.36	435.06	AI
I-65	7/05/1996	441.42	6.87	434.55	AI
I-65	7/12/1996	441.42	7.15	434.27	AI
I-65	8/08/1996	441.42	8.05	433.37	AI
I-65	9/06/1996	441.42	8.93	432.49	AI
I-65	10/02/1996	441.42	9.36	432.06	AI
I-65	2/03/1997	441.42	10.17	431.25	AI
I-65	5/09/1997	441.42	7.02	434.40	AI
I-65	5/22/2000	441.42	10.25	431.17	AI
I-65	7/30/2012	441.26	12.38	428.88	AI
I-65	8/06/2012	441.26	12.31	428.95	AI
I-65	8/10/2012	441.26	12.29	428.97	AI
I-65	4/02/2013	441.26	14.56	426.70	AI
I-65	4/05/2013	441.26	14.51	426.75	AI
I-65	4/16/2013	441.26	14.02	427.24	AI
I-65	7/08/2013	441.26	8.21	433.05	AI
I-65	7/15/2013	441.26	8.67	432.59	AI
I-65	7/18/2013	441.26	8.65	432.61	AI
I-65	9/30/2013	441.26	11.62	429.64	AI
I-65	10/09/2013	441.26	11.91	429.35	AI
I-65	10/15/2013	441.26	12.06	429.20	AI
I-66	11/16/1979	441.40	NA	NA	AI
I-66	9/05/1980	441.40	NA	NA	AI
I-66	3/17/1981	441.40	NA	NA	AI
I-66	12/10/1981	441.40	NA	NA	AI
I-66	3/25/1982	441.40	NA	NA	AI
I-66	8/20/1982	441.40	NA	NA	AI
I-66	11/16/1982	441.40	NA	NA	AI
I-66	2/09/1983	441.40	NA	NA	AI
I-66	5/16/1983	441.40	NA	NA	AI
I-66	8/02/1983	441.40	NA	NA	AI
I-66	11/15/1983	441.40	10.82	430.58	AI
I-66	12/01/1983	441.40	9.73	431.67	AI
I-66	12/16/1983	441.40	8.82	432.58	AI
I-66	1/03/1984	441.40	14.80	426.60	AI
I-66	1/13/1984	441.40	9.97	431.43	AI
I-66	1/20/1984	441.40	10.27	431.13	AI
I-66	1/27/1984	441.40	10.38	431.02	AI
I-66	2/03/1984	441.40	10.60	430.80	AI
I-66	2/08/1984	441.40	NA	NA	AI
I-66	2/10/1984	441.40	10.58	430.82	AI
I-66	2/16/1984	441.40	10.32	431.08	AI
I-66	2/23/1984	441.40	10.26	431.14	AI
I-66	3/01/1984	441.40	9.97	431.43	AI
I-66	3/09/1984	441.40	9.32	432.08	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-66	3/15/1984	441.40	8.79	432.61	AI
I-66	3/22/1984	441.40	7.95	433.45	AI
I-66	4/26/1984	441.40	NA	NA	AI
I-66	5/02/1984	441.40	NA	NA	AI
I-66	5/24/1984	441.40	4.90	436.50	AI
I-66	6/27/1984	441.40	5.40	436.00	AI
I-66	8/08/1984	441.40	7.42	433.98	AI
I-66	8/21/1984	441.40	8.38	433.02	AI
I-66	8/30/1984	441.40	9.05	432.35	AI
I-66	10/03/1984	441.40	9.36	432.04	AI
I-66	10/26/1984	441.40	8.25	433.15	AI
I-66	12/19/1984	441.40	8.20	433.20	AI
I-66	3/30/1985	441.40	NA	NA	AI
I-66	4/25/1985	441.40	NA	NA	AI
I-66	6/07/1985	441.40	NA	NA	AI
I-66	8/08/1985	441.40	7.63	433.77	AI
I-66	5/20/1986	441.40	4.12	437.28	AI
I-66	6/04/1990	441.40	9.24	432.16	AI
I-66	11/22/1994	441.51	11.61	429.90	AI
I-66	12/29/1994	441.51	11.66	429.85	AI
I-66	1/30/1995	441.51	10.78	430.73	AI
I-66	3/03/1995	441.51	11.00	430.51	AI
I-66	3/30/1995	441.51	10.95	430.56	AI
I-66	4/28/1995	441.51	10.95	430.56	AI
I-66	5/26/1995	441.51	5.18	436.33	AI
I-66	6/30/1995	441.51	5.56	435.95	AI
I-66	7/28/1995	441.51	6.26	435.25	AI
I-66	8/03/1995	441.51	6.26	435.25	AI
I-66	8/31/1995	441.51	7.11	434.40	AI
I-66	10/02/1995	441.51	8.83	432.68	AI
I-66	10/31/1995	441.51	9.69	431.82	AI
I-66	11/30/1995	441.51	10.32	431.19	AI
I-66	12/15/1995	441.51	10.89	430.62	AI
I-66	1/05/1996	441.51	11.04	430.47	AI
I-66	2/05/1996	441.51	11.49	430.02	AI
I-66	3/04/1996	441.51	12.18	429.33	AI
I-66	4/02/1996	441.51	12.39	429.12	AI
I-66	4/30/1996	441.51	12.39	429.12	AI
I-66	5/03/1996	441.51	10.72	430.79	AI
I-66	6/13/1996	441.51	6.64	434.87	AI
I-66	7/05/1996	441.51	6.98	434.53	AI
I-66	7/12/1996	441.51	7.37	434.14	AI
I-66	8/08/1996	441.51	8.08	433.43	AI
I-66	9/06/1996	441.51	9.16	432.35	AI
I-66	10/02/1996	441.51	9.45	432.06	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-66	2/03/1997	441.51	10.17	431.34	AI
I-66	5/09/1997	441.51	7.20	434.31	AI
I-66	5/22/2000	441.51	11.71	429.80	AI
I-66	7/30/2012	441.70	12.43	429.27	AI
I-66	8/10/2012	441.70	12.29	429.41	AI
I-66	4/02/2013	441.70	14.80	426.90	AI
I-66	4/05/2013	441.70	14.51	427.19	AI
I-66	7/08/2013	441.70	8.52	433.18	AI
I-66	7/15/2013	441.70	8.67	433.03	AI
I-66	9/30/2013	441.70	11.77	429.93	AI
I-66	10/09/2013	441.70	11.91	429.79	AI
I-67	11/16/1979	438.68	NA	NA	AI
I-67	9/05/1980	438.68	NA	NA	AI
I-67	3/17/1981	438.68	NA	NA	AI
I-67	12/10/1981	438.68	NA	NA	AI
I-67	3/25/1982	438.68	NA	NA	AI
I-67	8/20/1982	438.68	NA	NA	AI
I-67	11/16/1982	438.68	NA	NA	AI
I-67	2/09/1983	438.68	NA	NA	AI
I-67	5/16/1983	438.68	NA	NA	AI
I-67	8/02/1983	438.68	NA	NA	AI
I-67	11/15/1983	438.68	7.97	430.71	AI
I-67	12/01/1983	438.68	6.73	431.95	AI
I-67	12/16/1983	438.68	5.85	432.83	AI
I-67	1/03/1984	438.68	25.41	413.27	AI
I-67	1/13/1984	438.68	7.08	431.60	AI
I-67	1/20/1984	438.68	7.43	431.25	AI
I-67	1/27/1984	438.68	7.58	431.10	AI
I-67	2/03/1984	438.68	7.78	430.90	AI
I-67	2/08/1984	438.68	NA	NA	AI
I-67	2/10/1984	438.68	7.80	430.88	AI
I-67	2/16/1984	438.68	7.57	431.11	AI
I-67	2/23/1984	438.68	7.33	431.35	AI
I-67	3/01/1984	438.68	7.10	431.58	AI
I-67	3/09/1984	438.68	6.45	432.23	AI
I-67	3/15/1984	438.68	5.90	432.78	AI
I-67	3/22/1984	438.68	4.95	433.73	AI
I-67	5/02/1984	438.68	NA	NA	AI
I-67	6/04/1990	438.68	10.21	428.47	AI
I-67	11/22/1994	441.50	11.54	429.96	AI
I-67	12/29/1994	441.50	11.57	429.93	AI
I-67	1/30/1995	441.50	10.63	430.87	AI
I-67	3/03/1995	441.50	10.93	430.57	AI
I-67	3/30/1995	441.50	10.97	430.53	AI
I-67	4/28/1995	441.50	10.65	430.85	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-67	5/26/1995	441.50	5.06	436.44	AI
I-67	6/30/1995	441.50	5.65	435.85	AI
I-67	7/28/1995	441.50	6.31	435.19	AI
I-67	8/03/1995	441.50	6.31	435.19	AI
I-67	8/31/1995	441.50	7.11	434.39	AI
I-67	10/02/1995	441.50	8.81	432.69	AI
I-67	10/31/1995	441.50	8.61	432.89	AI
I-67	11/30/1995	441.50	10.23	431.27	AI
I-67	12/15/1995	441.50	13.44	428.06	AI
I-67	1/05/1996	441.50	10.87	430.63	AI
I-67	2/05/1996	441.50	14.08	427.42	AI
I-67	3/04/1996	441.50	14.76	426.74	AI
I-67	4/02/1996	441.50	14.98	426.52	AI
I-67	5/03/1996	441.50	13.18	428.32	AI
I-67	6/13/1996	441.50	9.43	432.07	AI
I-67	7/05/1996	441.50	7.03	434.47	AI
I-67	7/12/1996	441.50	10.10	431.40	AI
I-67	8/08/1996	441.50	10.81	430.69	AI
I-67	9/06/1996	441.50	11.91	429.59	AI
I-67	10/02/1996	441.50	9.39	432.11	AI
I-67	2/04/1997	441.50	12.60	428.90	AI
I-67	5/09/1997	441.50	9.92	431.58	AI
I-67	5/22/2000	441.50	14.45	427.05	AI
I-67	7/30/2012	441.68	12.48	429.20	AI
I-67	8/10/2012	441.68	12.25	429.43	AI
I-67	4/02/2013	441.68	14.81	426.87	AI
I-67	4/05/2013	441.68	14.43	427.25	AI
I-67	7/08/2013	441.68	8.53	433.15	AI
I-67	7/12/2013	441.68	8.44	433.24	AI
I-67	9/30/2013	441.68	11.75	429.93	AI
I-67	10/03/2013	441.68	11.57	430.11	AI
I-67	11/07/2016	441.68	9.19	432.49	AI
I-67	2/06/2017	441.68	12.19	429.49	AI
I-67	5/01/2017	441.68	10.60	431.08	AI
I-67	8/28/2017	441.68	9.65	432.03	AI
I-67	11/02/2017	441.68	11.28	430.40	AI
I-67	2/14/2018	441.68	13.98	427.70	AI
I-67	8/06/2018	441.68	11.10	430.58	AI
I-67	11/13/2018	441.68	9.75	431.93	AI
I-68	11/16/1979	447.92	NA	NA	AI
I-68	9/05/1980	447.92	NA	NA	AI
I-68	3/17/1981	447.92	NA	NA	AI
I-68	12/10/1981	447.92	NA	NA	AI
I-68	3/25/1982	447.92	NA	NA	AI
I-68	8/20/1982	447.92	NA	NA	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-68	11/16/1982	447.92	NA	NA	AI
I-68	2/09/1983	447.92	NA	NA	AI
I-68	5/16/1983	447.92	NA	NA	AI
I-68	8/02/1983	447.92	NA	NA	AI
I-68	11/15/1983	447.92	17.15	430.77	AI
I-68	12/01/1983	447.92	16.25	431.67	AI
I-68	12/16/1983	447.92	15.40	432.52	AI
I-68	1/03/1984	447.92	Dry	Dry	AI
I-68	1/13/1984	447.92	16.69	431.23	AI
I-68	1/20/1984	447.92	17.17	430.75	AI
I-68	1/27/1984	447.92	17.24	430.68	AI
I-68	2/03/1984	447.92	17.32	430.60	AI
I-68	2/08/1984	447.92	NA	NA	AI
I-68	2/10/1984	447.92	17.29	430.63	AI
I-68	2/16/1984	447.92	17.09	430.83	AI
I-68	2/23/1984	447.92	16.78	431.14	AI
I-68	3/01/1984	447.92	16.16	431.76	AI
I-68	3/09/1984	447.92	15.62	432.30	AI
I-68	3/15/1984	447.92	15.09	432.83	AI
I-68	3/22/1984	447.92	14.19	433.73	AI
I-68	5/02/1984	447.92	NA	NA	AI
I-68	6/04/1990	447.92	17.35	430.57	AI
I-68	8/05/1993	447.92	11.96	435.96	AI
I-68	11/22/1994	450.10	20.16	429.94	AI
I-68	12/29/1994	450.10	20.10	430.00	AI
I-68	1/30/1995	450.10	19.05	431.05	AI
I-68	3/03/1995	450.10	19.44	430.66	AI
I-68	3/30/1995	450.10	19.45	430.65	AI
I-68	4/28/1995	450.10	19.24	430.86	AI
I-68	5/26/1995	450.10	13.94	436.16	AI
I-68	6/30/1995	450.10	14.52	435.58	AI
I-68	7/28/1995	450.10	16.16	433.94	AI
I-68	8/03/1995	450.10	16.16	433.94	AI
I-68	8/31/1995	450.10	15.91	434.19	AI
I-68	10/02/1995	450.10	17.52	432.58	AI
I-68	10/31/1995	450.10	18.29	431.81	AI
I-68	11/30/1995	450.10	18.80	431.30	AI
I-68	12/14/1995	450.10	21.50	428.60	AI
I-68	1/05/1996	450.10	19.45	430.65	AI
I-68	2/06/1996	450.10	22.04	428.06	AI
I-68	3/04/1996	450.10	22.66	427.44	AI
I-68	4/02/1996	450.10	22.82	427.28	AI
I-68	4/30/1996	450.10	21.21	428.89	AI
I-68	5/01/1996	450.10	21.26	428.84	AI
I-68	5/02/1996	450.10	21.19	428.91	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-68	5/03/1996	450.10	21.06	429.04	AI
I-68	6/13/1996	450.10	17.36	432.74	AI
I-68	7/05/1996	450.10	15.74	434.36	AI
I-68	7/12/1996	450.10	18.21	431.89	AI
I-68	8/08/1996	450.10	18.93	431.17	AI
I-68	9/06/1996	450.10	18.93	431.17	AI
I-68	10/02/1996	450.10	18.03	432.07	AI
I-68	2/04/1997	450.10	20.37	429.73	AI
I-68	5/09/1997	450.10	17.96	432.14	AI
I-68	8/11/1997	450.10	20.31	429.79	AI
I-68	11/06/1997	450.10	21.39	428.71	AI
I-68	2/10/1998	450.10	21.06	429.04	AI
I-68	5/26/1998	450.10	17.21	432.89	AI
I-68	11/09/1998	450.10	18.74	431.36	AI
I-68	5/14/1999	450.10	17.45	432.65	AI
I-68	11/19/1999	450.10	22.27	427.83	AI
I-68	5/22/2000	450.10	23.88	426.22	AI
I-68	5/20/2002	450.10	26.07	424.03	AI
I-68	11/18/2002	450.10	29.57	420.53	AI
I-68	5/27/2003	450.10	25.05	425.05	AI
I-68	11/19/2003	450.10	24.77	425.33	AI
I-68	3/23/2004	450.10	21.98	428.12	AI
I-68	3/25/2004	450.10	21.91	428.19	AI
I-68	5/10/2004	450.10	23.22	426.88	AI
I-68	5/11/2004	450.10	21.02	429.08	AI
I-68	11/16/2004	450.10	22.88	427.22	AI
I-68	5/23/2005	450.10	22.70	427.40	AI
I-68	11/17/2005	450.10	24.33	425.77	AI
I-68	5/31/2006	450.10	26.86	423.24	AI
I-68	11/30/2006	450.10	27.38	422.72	AI
I-68	5/31/2007	450.10	24.42	425.68	AI
I-68	11/06/2007	450.10	23.70	426.40	AI
I-68	5/06/2008	450.10	19.30	430.80	AI
I-68	11/03/2008	450.10	19.30	430.80	AI
I-68	5/05/2009	450.10	20.57	429.53	AI
I-68	11/02/2009	450.10	17.26	432.84	AI
I-68	5/18/2010	450.10	17.22	432.88	AI
I-68	11/09/2010	450.10	19.89	430.21	AI
I-68	5/09/2011	450.10	17.48	432.62	AI
I-68	11/16/2011	450.10	20.25	429.85	AI
I-68	5/09/2012	450.20	19.20	431.00	AI
I-68	7/30/2012	450.20	20.84	429.36	AI
I-68	8/06/2012	450.20	20.88	429.32	AI
I-68	11/26/2012	450.20	22.78	427.42	AI
I-68	4/02/2013	450.20	23.12	427.08	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-68	4/09/2013	450.20	22.73	427.47	AI
I-68	4/12/2013	450.20	22.91	427.29	AI
I-68	7/08/2013	450.20	17.09	433.11	AI
I-68	7/12/2013	450.20	16.99	433.21	AI
I-68	9/30/2013	450.20	20.13	430.07	AI
I-68	10/14/2013	450.20	20.10	430.10	AI
I-68	5/27/2014	450.20	22.26	427.94	AI
I-68	9/22/2014	450.20	19.92	430.28	AI
I-68	11/18/2014	450.20	19.39	430.81	AI
I-68	2/02/2015	450.20	20.59	429.61	AI
I-68	5/12/2015	450.20	20.36	429.84	AI
I-68	8/18/2015	450.20	14.29	435.91	AI
I-68	11/16/2015	450.20	19.06	431.14	AI
I-68	2/29/2016	450.20	16.20	434.00	AI
I-68	5/31/2016	450.20	16.48	433.72	AI
I-68	8/22/2016	450.20	17.05	433.15	AI
I-68	9/01/2016	450.20	17.60	432.60	AI
I-68	11/07/2016	450.20	17.55	432.65	AI
I-68	2/06/2017	450.20	20.47	429.73	AI
I-68	5/01/2017	450.20	18.38	431.82	AI
I-68	8/28/2017	450.20	18.14	432.06	AI
I-68	11/02/2017	450.20	19.62	430.58	AI
I-68	2/14/2018	450.20	22.30	427.90	AI
I-68	8/06/2018	450.20	19.51	430.69	AI
I-68	11/13/2018	450.20	18.23	431.97	AI
I-7	8/31/1995	446.57	12.41	434.16	AI
I-7	10/02/1995	446.57	14.10	432.47	AI
I-7	10/31/1995	446.57	14.87	431.70	AI
I-7	11/30/1995	446.57	15.43	431.14	AI
I-7	12/15/1995	446.57	15.92	430.65	AI
I-7	1/05/1996	446.57	16.15	430.42	AI
I-7	2/05/1996	446.57	16.66	429.91	AI
I-7	3/04/1996	446.57	17.28	429.29	AI
I-7	4/02/1996	446.57	17.52	429.05	AI
I-7	4/30/1996	446.57	16.46	430.11	AI
I-7	5/03/1996	446.57	15.84	430.73	AI
I-7	6/13/1996	446.57	11.71	434.86	AI
I-7	7/05/1996	446.57	12.18	434.39	AI
I-7	7/12/1996	446.57	12.42	434.15	AI
I-7	8/08/1996	446.57	13.11	433.46	AI
I-7	9/06/1996	446.57	14.12	432.45	AI
I-7	10/02/1996	446.57	14.47	432.10	AI
I-7	2/03/1997	446.57	15.38	431.19	AI
I-7	5/09/1997	446.57	12.27	434.30	AI
I-72	11/16/1979	465.00	34.80	430.20	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-72	9/05/1980	465.00	36.00	429.00	AI
I-72	3/17/1981	465.00	38.50	426.50	AI
I-72	12/10/1981	465.00	36.50	428.50	AI
I-72	3/25/1982	465.00	40.90	424.10	AI
I-72	8/20/1982	465.00	30.40	434.60	AI
I-72	11/16/1982	465.00	32.80	432.20	AI
I-72	2/09/1983	465.00	31.30	433.70	AI
I-72	5/16/1983	465.00	28.40	436.60	AI
I-72	8/02/1983	465.00	30.20	434.80	AI
I-72	11/15/1983	465.00	33.10	431.90	AI
I-72	12/01/1983	465.00	32.36	432.64	AI
I-72	12/16/1983	465.00	31.60	433.40	AI
I-72	1/03/1984	465.00	32.06	432.94	AI
I-72	1/13/1984	465.00	33.07	431.93	AI
I-72	1/20/1984	465.00	33.48	431.52	AI
I-72	1/27/1984	465.00	33.25	431.75	AI
I-72	2/03/1984	465.00	33.35	431.65	AI
I-72	2/08/1984	465.00	33.00	432.00	AI
I-72	2/10/1984	465.00	33.44	431.56	AI
I-72	2/16/1984	465.00	32.51	432.49	AI
I-72	2/23/1984	465.00	32.42	432.58	AI
I-72	3/01/1984	465.00	32.21	432.79	AI
I-72	3/09/1984	465.00	31.62	433.38	AI
I-72	3/15/1984	465.00	30.97	434.03	AI
I-72	3/22/1984	465.00	30.33	434.67	AI
I-72	4/26/1984	465.00	28.15	436.85	AI
I-72	5/02/1984	465.00	28.30	436.70	AI
I-72	5/23/1984	465.00	28.40	436.60	AI
I-72	6/27/1984	465.00	28.66	436.34	AI
I-72	8/08/1984	465.00	30.22	434.78	AI
I-72	8/20/1984	465.00	31.05	433.95	AI
I-72	8/29/1984	465.00	31.81	433.19	AI
I-72	10/03/1984	465.00	31.92	433.08	AI
I-72	10/26/1984	465.00	31.05	433.95	AI
I-72	12/19/1984	465.00	30.80	434.20	AI
I-72	3/30/1985	465.00	28.58	436.42	AI
I-72	4/25/1985	465.00	29.21	435.79	AI
I-72	6/04/1985	465.00	30.10	434.90	AI
I-72	6/07/1985	465.00	20.33	444.67	AI
I-72	8/08/1985	465.00	31.28	433.72	AI
I-72	6/04/1990	465.00	31.85	433.15	AI
I-73	11/16/1979	462.20	30.20	432.00	AI
I-73	9/05/1980	462.20	31.50	430.70	AI
I-73	3/17/1981	462.20	32.00	430.20	AI
I-73	12/10/1981	462.20	32.00	430.20	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-73	3/25/1982	462.20	44.00	418.20	AI
I-73	8/20/1982	462.20	27.50	434.70	AI
I-73	11/16/1982	462.20	30.30	431.90	AI
I-73	2/09/1983	462.20	26.50	435.70	AI
I-73	5/16/1983	462.20	26.10	436.10	AI
I-73	8/02/1983	462.20	27.60	434.60	AI
I-73	11/15/1983	462.20	29.80	432.40	AI
I-73	12/01/1983	462.20	30.01	432.19	AI
I-73	12/16/1983	462.20	29.49	432.71	AI
I-73	1/03/1984	462.20	29.73	432.47	AI
I-73	1/13/1984	462.20	30.57	431.63	AI
I-73	1/20/1984	462.20	30.90	431.30	AI
I-73	1/27/1984	462.20	30.86	431.34	AI
I-73	2/03/1984	462.20	30.55	431.65	AI
I-73	2/08/1984	462.20	30.80	431.40	AI
I-73	2/10/1984	462.20	30.47	431.73	AI
I-73	2/16/1984	462.20	30.22	431.98	AI
I-73	2/23/1984	462.20	30.17	432.03	AI
I-73	3/01/1984	462.20	29.34	432.86	AI
I-73	3/09/1984	462.20	29.34	432.86	AI
I-73	3/15/1984	462.20	28.76	433.44	AI
I-73	3/22/1984	462.20	28.10	434.10	AI
I-73	4/26/1984	462.20	26.15	436.05	AI
I-73	5/02/1984	462.20	23.50	438.70	AI
I-73	5/23/1984	462.20	25.50	436.70	AI
I-73	6/27/1984	462.20	26.67	435.53	AI
I-73	8/08/1984	462.20	28.62	433.58	AI
I-73	8/20/1984	462.20	29.61	432.59	AI
I-73	8/29/1984	462.20	30.13	432.07	AI
I-73	10/03/1984	462.20	29.97	432.23	AI
I-73	10/26/1984	462.20	29.20	433.00	AI
I-73	12/19/1984	462.20	29.10	433.10	AI
I-73	3/30/1985	462.20	27.17	435.03	AI
I-73	4/25/1985	462.20	27.58	434.62	AI
I-73	6/04/1985	462.20	28.48	433.72	AI
I-73	6/07/1985	462.20	27.68	434.52	AI
I-73	8/08/1985	462.20	29.48	432.72	AI
I-73	6/04/1990	462.20	29.94	432.26	AI
I-73	6/18/1993	462.20	26.39	435.81	AI
I-73	11/22/1994	460.99	31.46	429.53	AI
I-73	12/29/1994	460.99	31.68	429.31	AI
I-73	1/30/1995	460.99	30.80	430.19	AI
I-73	3/03/1995	460.99	31.12	429.87	AI
I-73	3/30/1995	460.99	31.90	429.09	AI
I-73	4/28/1995	460.99	30.69	430.30	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-73	5/26/1995	460.99	26.04	434.95	AI
I-73	6/30/1995	460.99	27.15	433.84	AI
I-73	7/28/1995	460.99	27.25	433.74	AI
I-73	8/03/1995	460.99	27.25	433.74	AI
I-73	8/31/1995	460.99	27.97	433.02	AI
I-73	10/02/1995	460.99	29.39	431.60	AI
I-73	10/31/1995	460.99	30.12	430.87	AI
I-73	11/30/1995	460.99	30.31	430.68	AI
I-73	12/15/1995	460.99	26.67	434.32	AI
I-73	1/05/1996	460.99	31.00	429.99	AI
I-73	2/05/1996	460.99	27.36	433.63	AI
I-73	3/05/1996	460.99	27.94	433.05	AI
I-73	4/02/1996	460.99	28.34	432.65	AI
I-73	4/30/1996	460.99	27.64	433.35	AI
I-73	5/01/1996	460.99	27.49	433.50	AI
I-73	5/02/1996	460.99	27.38	433.61	AI
I-73	5/03/1996	460.99	27.24	433.75	AI
I-73	6/13/1996	460.99	23.33	437.66	AI
I-73	7/05/1996	460.99	28.87	432.12	AI
I-73	7/12/1996	460.99	24.02	436.97	AI
I-73	8/08/1996	460.99	24.54	436.45	AI
I-73	9/06/1996	460.99	25.32	435.67	AI
I-73	2/03/1997	460.99	29.52	431.47	AI
I-73	2/04/1997	460.99	25.49	435.50	AI
I-73	5/09/1997	460.99	23.76	437.23	AI
I-73	8/11/1997	460.99	26.40	434.59	AI
I-73	2/10/1998	460.99	26.26	434.73	AI
I-73	5/26/1998	460.99	23.76	437.23	AI
I-73	11/09/1998	460.99	24.08	436.91	AI
I-73	5/14/1999	460.99	23.36	437.63	AI
I-73	11/19/1999	460.99	27.00	433.99	AI
I-73	5/22/2000	460.99	28.75	432.24	AI
I-73	5/20/2002	460.99	29.45	431.54	AI
I-73	11/18/2002	460.99	32.02	428.97	AI
I-73	5/27/2003	460.99	8.15	452.84	AI
I-73	11/19/2003	460.99	10.80	450.19	AI
I-73	5/10/2004	460.99	6.16	454.83	AI
I-73	11/16/2004	460.99	9.54	451.45	AI
I-73	5/23/2005	460.99	5.49	455.50	AI
I-73	11/17/2005	460.99	10.75	450.24	AI
I-73	5/31/2006	460.99	14.91	446.08	AI
I-73	11/30/2006	460.99	17.54	443.45	AI
I-73	5/31/2007	460.99	19.91	441.08	AI
I-73	11/06/2007	460.99	21.02	439.97	AI
I-73	5/06/2008	460.99	22.18	438.81	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-73	11/03/2008	460.99	22.18	438.81	AI
I-73	5/05/2009	460.99	23.19	437.80	AI
I-73	11/02/2009	460.99	25.37	435.62	AI
I-73	5/18/2010	460.99	23.63	437.36	AI
I-73	11/09/2010	460.99	23.72	437.27	AI
I-73	5/09/2011	460.99	23.88	437.11	AI
I-73	11/16/2011	460.99	23.91	437.08	AI
I-73	5/09/2012	461.08	24.24	436.84	AI
I-73	7/30/2012	461.08	28.33	432.75	AI
I-73	8/04/2012	461.08	28.28	432.80	AI
I-73	11/26/2012	461.08	33.38	427.70	AI
I-73	4/02/2013	461.08	33.51	427.57	AI
I-73	4/12/2013	461.08	33.43	427.65	AI
I-73	4/12/2013	461.08	33.09	427.99	AI
I-73	7/08/2013	461.08	28.15	432.93	AI
I-73	7/19/2013	461.08	28.37	432.71	AI
I-73	9/30/2013	461.08	30.81	430.27	AI
I-73	10/03/2013	461.08	30.98	430.10	AI
I-73	5/27/2014	461.08	32.93	428.15	AI
I-73	9/22/2014	461.08	31.52	429.56	AI
I-73	11/18/2014	461.08	30.79	430.29	AI
I-73	2/02/2015	461.08	32.26	428.82	AI
I-73	5/12/2015	461.08	31.85	429.23	AI
I-73	8/18/2015	461.08	27.45	433.63	AI
I-73	11/16/2015	461.08	30.76	430.32	AI
I-73	2/29/2016	461.08	28.59	432.49	AI
I-73	5/31/2016	461.08	28.69	432.39	AI
I-73	8/22/2016	461.08	29.08	432.00	AI
I-73	8/31/2016	461.08	29.35	431.73	AI
I-73	11/07/2016	461.08	29.50	431.58	AI
I-73	11/15/2016	461.08	29.03	432.05	AI
I-73	2/06/2017	461.08	32.04	429.04	AI
I-73	2/14/2017	461.08	32.24	428.84	AI
I-73	5/01/2017	461.08	30.79	430.29	AI
I-73	5/10/2017	461.08	32.24	428.84	AI
I-73	8/28/2017	461.08	29.50	431.58	AI
I-73	11/02/2017	461.08	31.01	430.07	AI
I-73	11/08/2017	461.08	31.18	429.90	AI
I-73	2/14/2018	461.08	33.70	427.38	AI
I-73	8/06/2018	461.08	30.54	430.54	AI
I-73	11/13/2018	461.08	29.48	431.60	AI
I-9	10/31/1995	450.59	18.79	431.80	AI
I-9	11/30/1995	450.59	19.20	431.39	AI
I-9	12/15/1995	450.59	19.72	430.87	AI
I-9	1/05/1996	450.59	19.98	430.61	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
I-9	2/06/1996	450.59	20.58	430.01	AI
I-9	3/05/1996	450.59	21.17	429.42	AI
I-9	4/02/1996	450.59	21.40	429.19	AI
I-9	4/30/1996	450.59	20.36	430.23	AI
I-9	5/03/1996	450.59	19.87	430.72	AI
I-9	6/13/1996	450.59	16.18	434.41	AI
I-9	7/05/1996	450.59	16.52	434.07	AI
I-9	7/12/1996	450.59	16.64	433.95	AI
I-9	8/08/1996	450.59	17.32	433.27	AI
I-9	9/06/1996	450.59	18.20	432.39	AI
I-9	10/02/1996	450.59	18.40	432.19	AI
I-9	2/03/1997	450.59	19.24	431.35	AI
I-9	5/09/1997	450.59	16.52	434.07	AI
I-9	5/22/2000	450.59	22.23	428.36	AI
I-9	3/23/2004	450.59	23.60	426.99	AI
I-9	3/29/2004	450.59	22.13	428.46	AI
I-9	5/10/2004	450.59	21.68	428.91	AI
I-9	5/11/2004	450.59	21.48	429.11	AI
I-9	7/30/2012	449.88	20.79	429.09	AI
I-9	8/14/2012	449.88	20.60	429.28	AI
I-9	4/02/2013	449.88	21.82	428.06	AI
I-9	4/09/2013	449.88	23.09	426.79	AI
I-9	7/08/2013	449.88	18.26	431.62	AI
I-9	7/11/2013	449.88	17.09	432.79	AI
I-9	9/30/2013	449.88	21.12	428.76	AI
I-9	10/08/2013	449.88	20.98	428.90	AI
PZ-300-AD	10/28/1995	449.22	16.73	432.49	AI
PZ-300-AD	1/04/1996	449.22	17.50	431.72	AI
PZ-300-AD	4/03/1996	449.22	18.99	430.23	AI
PZ-302-AI	10/25/1995	450.75	18.90	431.85	AI
PZ-302-AI	10/28/1995	450.75	18.89	431.86	AI
PZ-302-AI	11/18/1995	450.75	19.15	431.60	AI
PZ-302-AI	12/13/1995	450.75	19.42	431.33	AI
PZ-302-AI	1/04/1996	450.75	19.88	430.87	AI
PZ-302-AI	2/06/1996	450.75	20.49	430.26	AI
PZ-302-AI	3/05/1996	450.75	21.07	429.68	AI
PZ-302-AI	4/03/1996	450.75	24.40	426.35	AI
PZ-302-AI	4/30/1996	450.75	20.38	430.37	AI
PZ-302-AI	5/03/1996	450.75	20.05	430.70	AI
PZ-302-AI	6/13/1996	450.75	16.79	433.96	AI
PZ-302-AI	7/12/1996	450.75	17.10	433.65	AI
PZ-302-AI	8/08/1996	450.75	17.74	433.01	AI
PZ-302-AI	9/06/1996	450.75	18.49	432.26	AI
PZ-302-AI	2/03/1997	450.75	19.13	431.62	AI
PZ-302-AI	5/09/1997	450.75	16.90	433.85	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-302-AI	5/22/2000	450.75	22.22	428.53	AI
PZ-302-AI	12/11/2003	450.75	24.08	426.67	AI
PZ-302-AI	12/11/2003	450.75	23.06	427.69	AI
PZ-302-AI	5/10/2004	450.75	22.37	428.38	AI
PZ-302-AI	5/10/2004	450.75	21.39	429.36	AI
PZ-302-AI	7/30/2012	451.19	22.65	428.54	AI
PZ-302-AI	8/09/2012	451.19	21.30	429.89	AI
PZ-302-AI	4/02/2013	451.19	24.54	426.65	AI
PZ-302-AI	4/03/2013	451.19	23.03	428.16	AI
PZ-302-AI	7/08/2013	451.19	18.54	432.65	AI
PZ-302-AI	7/16/2013	451.19	18.30	432.89	AI
PZ-302-AI	9/30/2013	451.19	20.83	430.36	AI
PZ-302-AI	10/03/2013	451.19	20.60	430.59	AI
PZ-302-AI	5/31/2016	451.19	17.83	433.36	AI
PZ-302-AI	8/22/2016	451.19	18.44	432.75	AI
PZ-302-AI	8/26/2016	451.19	18.59	432.60	AI
PZ-302-AI	11/07/2016	451.19	18.59	432.60	AI
PZ-302-AI	2/06/2017	451.19	21.28	429.91	AI
PZ-302-AI	5/01/2017	451.19	19.89	431.30	AI
PZ-302-AI	5/10/2017	451.19	17.82	433.37	AI
PZ-304-AI	10/28/1995	453.62	22.83	430.79	AI
PZ-304-AI	11/08/1995	453.62	21.56	432.06	AI
PZ-304-AI	11/18/1995	453.62	22.04	431.58	AI
PZ-304-AI	12/13/1995	453.62	22.36	431.26	AI
PZ-304-AI	1/04/1996	453.62	22.86	430.76	AI
PZ-304-AI	2/06/1996	453.62	23.45	430.17	AI
PZ-304-AI	3/05/1996	453.62	24.06	429.56	AI
PZ-304-AI	4/03/1996	453.62	24.40	429.22	AI
PZ-304-AI	4/30/1996	453.62	23.29	430.33	AI
PZ-304-AI	5/03/1996	453.62	22.89	430.73	AI
PZ-304-AI	6/13/1996	453.62	19.54	434.08	AI
PZ-304-AI	7/12/1996	453.62	19.82	433.80	AI
PZ-304-AI	8/08/1996	453.62	20.48	433.14	AI
PZ-304-AI	8/26/1996	453.62	20.88	432.74	AI
PZ-304-AI	9/06/1996	453.62	21.29	432.33	AI
PZ-304-AI	2/03/1997	453.62	22.10	431.52	AI
PZ-304-AI	5/09/1997	453.62	19.72	433.90	AI
PZ-304-AI	5/22/2000	453.62	25.10	428.52	AI
PZ-304-AI	12/11/2003	453.62	26.25	427.37	AI
PZ-304-AI	12/11/2003	453.62	26.09	427.53	AI
PZ-304-AI	5/10/2004	453.62	24.49	429.13	AI
PZ-304-AI	5/10/2004	453.62	24.33	429.29	AI
PZ-304-AI	7/30/2012	454.15	24.88	429.27	AI
PZ-304-AI	8/10/2012	454.15	24.22	429.93	AI
PZ-304-AI	4/02/2013	454.15	26.74	427.41	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-304-AI	4/04/2013	454.15	25.93	428.22	AI
PZ-304-AI	7/08/2013	454.15	21.57	432.58	AI
PZ-304-AI	7/16/2013	454.15	21.23	432.92	AI
PZ-304-AI	9/30/2013	454.15	24.17	429.98	AI
PZ-304-AI	10/01/2013	454.15	23.54	430.61	AI
PZ-304-AI	5/31/2016	454.15	20.76	433.39	AI
PZ-304-AI	8/22/2016	454.15	21.37	432.78	AI
PZ-304-AI	8/26/2016	454.15	21.50	432.65	AI
PZ-304-AI	11/07/2016	454.15	21.56	432.59	AI
PZ-304-AI	11/17/2016	454.15	22.15	432.00	AI
PZ-304-AI	2/06/2017	454.15	24.29	429.86	AI
PZ-304-AI	2/13/2017	454.15	24.59	429.56	AI
PZ-304-AI	5/01/2017	454.15	22.62	431.53	AI
PZ-305-AI	10/28/1995	458.88	29.18	429.70	AI
PZ-305-AI	11/18/1995	458.88	27.48	431.40	AI
PZ-305-AI	12/15/1995	458.88	27.99	430.89	AI
PZ-305-AI	1/04/1996	458.88	28.25	430.63	AI
PZ-305-AI	2/06/1996	458.88	28.72	430.16	AI
PZ-305-AI	3/05/1996	458.88	29.35	429.53	AI
PZ-305-AI	4/03/1996	458.88	29.49	429.39	AI
PZ-305-AI	4/30/1996	458.88	29.06	429.82	AI
PZ-305-AI	5/01/1996	458.88	28.94	429.94	AI
PZ-305-AI	5/02/1996	458.88	28.71	430.17	AI
PZ-305-AI	5/03/1996	458.88	28.63	430.25	AI
PZ-305-AI	6/13/1996	458.88	24.92	433.96	AI
PZ-305-AI	7/12/1996	458.88	25.11	433.77	AI
PZ-305-AI	8/08/1996	458.88	25.81	433.07	AI
PZ-305-AI	9/06/1996	458.88	26.60	432.28	AI
PZ-305-AI	2/04/1997	458.88	27.40	431.48	AI
PZ-305-AI	5/09/1997	458.88	25.04	433.84	AI
PZ-305-AI	8/11/1997	458.88	26.98	431.90	AI
PZ-305-AI	11/06/1997	458.88	27.88	431.00	AI
PZ-305-AI	2/10/1998	458.88	27.69	431.19	AI
PZ-305-AI	5/26/1998	458.88	25.05	433.83	AI
PZ-305-AI	5/14/1999	458.88	25.03	433.85	AI
PZ-305-AI	11/19/1999	458.88	28.88	430.00	AI
PZ-305-AI	5/22/2000	458.88	30.49	428.39	AI
PZ-305-AI	5/20/2002	458.88	27.29	431.59	AI
PZ-305-AI	11/18/2002	458.88	29.86	429.02	AI
PZ-305-AI	11/19/2003	458.88	31.23	427.65	AI
PZ-305-AI	5/10/2004	458.88	29.80	429.08	AI
PZ-305-AI	11/16/2004	458.88	29.61	429.27	AI
PZ-305-AI	5/23/2005	458.88	29.43	429.45	AI
PZ-305-AI	11/17/2005	458.88	34.61	424.27	AI
PZ-305-AI	5/31/2006	458.88	33.46	425.42	AI

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-305-AI	11/30/2006	458.88	33.75	425.13	AI
PZ-305-AI	5/31/2007	458.88	31.19	427.69	AI
PZ-305-AI	11/06/2007	458.88	30.80	428.08	AI
PZ-305-AI	5/06/2008	458.88	26.59	432.29	AI
PZ-305-AI	11/03/2008	458.88	27.00	431.88	AI
PZ-305-AI	5/05/2009	458.88	27.55	431.33	AI
PZ-305-AI	11/02/2009	458.88	25.88	433.00	AI
PZ-305-AI	5/18/2010	458.88	25.61	433.27	AI
PZ-305-AI	11/09/2010	458.88	27.11	431.77	AI
PZ-305-AI	5/09/2011	458.88	25.62	433.26	AI
PZ-305-AI	11/16/2011	458.88	27.61	431.27	AI
PZ-305-AI	5/09/2012	459.98	27.81	432.17	AI
PZ-305-AI	7/30/2012	459.98	31.90	428.08	AI
PZ-305-AI	4/02/2013	459.98	32.69	427.29	AI
PZ-305-AI	4/12/2013	459.98	32.14	427.84	AI
PZ-305-AI	7/08/2013	459.98	26.93	433.05	AI
PZ-305-AI	9/30/2013	459.98	29.56	430.42	AI
PZ-305-AI	5/27/2014	459.98	31.29	428.69	AI
PZ-305-AI	9/22/2014	459.98	NA	NA	AI
PZ-305-AI	11/18/2014	459.98	31.98	428.00	AI
PZ-305-AI	2/02/2015	459.98	33.57	426.41	AI
PZ-305-AI	5/12/2015	459.98	35.26	424.72	AI
PZ-305-AI	8/18/2015	459.98	28.59	431.39	AI
PZ-305-AI	11/16/2015	459.98	31.84	428.14	AI
PZ-305-AI	2/29/2016	459.98	29.89	430.09	AI
PZ-305-AI	5/31/2016	459.98	NA	NA	AI
D-12	10/31/1995	479.51	48.00	431.51	AD
D-12	11/30/1995	479.51	48.32	431.19	AD
D-12	12/15/1995	479.51	48.96	430.55	AD
D-12	1/05/1996	479.51	48.98	430.53	AD
D-12	2/05/1996	479.51	49.52	429.99	AD
D-12	3/04/1996	479.51	50.16	429.35	AD
D-12	4/02/1996	479.51	50.42	429.09	AD
D-12	4/30/1996	479.51	49.47	430.04	AD
D-12	5/03/1996	479.51	48.85	430.66	AD
D-12	6/13/1996	479.51	44.94	434.57	AD
D-12	7/05/1996	479.51	45.33	434.18	AD
D-12	7/12/1996	479.51	45.50	434.01	AD
D-12	8/08/1996	479.51	46.19	433.32	AD
D-12	9/06/1996	479.51	47.05	432.46	AD
D-12	10/02/1996	479.51	47.42	432.09	AD
D-12	2/03/1997	479.51	48.24	431.27	AD
D-12	5/09/1997	479.51	45.20	434.31	AD
D-12	5/22/2000	479.51	51.32	428.19	AD
D-12	3/23/2004	479.51	51.76	427.75	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-12	3/24/2004	479.51	51.46	428.05	AD
D-12	5/10/2004	479.51	50.72	428.79	AD
D-12	5/12/2004	479.51	50.55	428.96	AD
D-12	7/30/2012	479.74	50.73	429.01	AD
D-12	8/08/2012	479.74	50.53	429.21	AD
D-12	4/02/2013	479.74	52.82	426.92	AD
D-12	4/04/2013	479.74	52.29	427.45	AD
D-12	7/08/2013	479.74	47.09	432.65	AD
D-12	7/15/2013	479.74	46.92	432.82	AD
D-12	9/30/2013	479.74	50.08	429.66	AD
D-12	10/01/2013	479.74	49.66	430.08	AD
D-13	10/31/1995	470.70	38.94	431.76	AD
D-13	11/30/1995	470.70	39.48	431.22	AD
D-13	12/15/1995	470.70	39.96	430.74	AD
D-13	1/05/1996	470.70	40.19	430.51	AD
D-13	2/05/1996	470.70	40.66	430.04	AD
D-13	3/04/1996	470.70	41.24	429.46	AD
D-13	4/02/1996	470.70	41.49	429.21	AD
D-13	4/30/1996	470.70	40.40	430.30	AD
D-13	5/03/1996	470.70	39.78	430.92	AD
D-13	6/13/1996	470.70	35.69	435.01	AD
D-13	7/05/1996	470.70	36.21	434.49	AD
D-13	7/12/1996	470.70	36.37	434.33	AD
D-13	8/08/1996	470.70	37.71	432.99	AD
D-13	9/06/1996	470.70	38.18	432.52	AD
D-13	10/02/1996	470.70	38.53	432.17	AD
D-13	5/09/1997	470.70	36.08	434.62	AD
D-13	5/22/2000	470.70	42.22	428.48	AD
D-13	3/23/2004	470.70	43.11	427.59	AD
D-13	3/25/2004	470.70	42.50	428.20	AD
D-13	5/10/2004	470.70	42.11	428.59	AD
D-13	5/11/2004	470.70	42.50	428.20	AD
D-13	7/30/2012	470.25	41.02	429.23	AD
D-13	8/10/2012	470.25	41.00	429.25	AD
D-13	4/02/2013	470.25	43.36	426.89	AD
D-13	4/04/2013	470.25	43.20	427.05	AD
D-13	7/08/2013	470.25	37.29	432.96	AD
D-13	7/18/2013	470.25	43.20	427.05	AD
D-13	9/30/2013	470.25	40.45	429.80	AD
D-13	10/07/2013	470.25	40.36	429.89	AD
D-3	8/31/1995	469.92	35.92	434.00	AD
D-3	10/02/1995	469.92	37.49	432.43	AD
D-3	10/31/1995	469.92	38.21	431.71	AD
D-3	11/30/1995	469.92	38.63	431.29	AD
D-3	12/15/1995	469.92	39.02	430.90	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-3	1/05/1996	469.92	39.43	430.49	AD
D-3	2/06/1996	469.92	39.82	430.10	AD
D-3	3/04/1996	469.92	40.35	429.57	AD
D-3	4/02/1996	469.92	40.70	429.22	AD
D-3	4/30/1996	469.92	39.88	430.04	AD
D-3	5/01/1996	469.92	37.78	432.14	AD
D-3	5/02/1996	469.92	39.52	430.40	AD
D-3	5/03/1996	469.92	35.42	434.50	AD
D-3	6/13/1996	469.92	35.42	434.50	AD
D-3	7/05/1996	469.92	35.74	434.18	AD
D-3	7/12/1996	469.92	35.86	434.06	AD
D-3	8/08/1996	469.92	36.59	433.33	AD
D-3	9/06/1996	469.92	38.32	431.60	AD
D-3	10/02/1996	469.92	37.78	432.14	AD
D-3	2/03/1997	469.92	38.32	431.60	AD
D-3	5/09/1997	469.92	35.60	434.32	AD
D-3	8/11/1997	469.92	37.80	432.12	AD
D-3	11/06/1997	469.92	38.89	431.03	AD
D-3	2/10/1998	469.92	38.61	431.31	AD
D-3	5/26/1998	469.92	35.35	434.57	AD
D-3	11/09/1998	469.92	36.21	433.71	AD
D-3	5/14/1999	469.92	35.52	434.40	AD
D-3	11/19/1999	469.92	39.68	430.24	AD
D-3	5/22/2000	469.92	41.40	428.52	AD
D-3	5/20/2002	469.92	37.45	432.47	AD
D-3	11/18/2002	469.92	40.40	429.52	AD
D-3	5/27/2003	469.92	42.03	427.89	AD
D-3	11/19/2003	469.92	41.85	428.07	AD
D-3	3/23/2004	469.92	43.49	426.43	AD
D-3	3/29/2004	469.92	40.87	429.05	AD
D-3	5/10/2004	469.92	40.19	429.73	AD
D-3	5/12/2004	469.92	40.28	429.64	AD
D-3	11/16/2004	469.92	40.08	429.84	AD
D-3	5/23/2005	469.92	39.50	430.42	AD
D-3	11/17/2005	469.92	41.12	428.80	AD
D-3	5/31/2006	469.92	43.50	426.42	AD
D-3	11/30/2006	469.92	43.94	425.98	AD
D-3	5/31/2007	469.92	39.50	430.42	AD
D-3	11/06/2007	469.92	39.20	430.72	AD
D-3	5/06/2008	469.92	34.89	435.03	AD
D-3	11/03/2008	469.92	35.00	434.92	AD
D-3	5/05/2009	469.92	35.96	433.96	AD
D-3	11/02/2009	469.92	33.75	436.17	AD
D-3	5/18/2010	469.92	33.54	436.38	AD
D-3	11/09/2010	469.92	35.33	434.59	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-3	5/09/2011	469.92	33.55	436.37	AD
D-3	11/16/2011	469.92	35.75	434.17	AD
D-3	5/09/2012	468.34	33.30	435.04	AD
D-3	7/30/2012	468.34	38.93	429.41	AD
D-3	8/08/2012	468.34	38.48	429.86	AD
D-3	11/26/2012	468.34	40.31	428.03	AD
D-3	4/02/2013	468.34	41.37	426.97	AD
D-3	4/11/2013	468.34	40.20	428.14	AD
D-3	4/12/2013	468.34	40.55	427.79	AD
D-3	7/08/2013	468.34	35.47	432.87	AD
D-3	7/09/2013	468.34	34.67	433.67	AD
D-3	9/30/2013	468.34	38.32	430.02	AD
D-3	10/07/2013	468.34	37.82	430.52	AD
D-3	5/27/2014	468.34	39.84	428.50	AD
D-3	9/22/2014	468.34	37.37	430.97	AD
D-3	11/18/2014	468.34	36.92	431.42	AD
D-3	2/02/2015	468.34	38.32	430.02	AD
D-3	5/12/2015	468.34	38.06	430.28	AD
D-3	8/18/2015	468.34	32.79	435.55	AD
D-3	8/22/2016	468.34	NA	NA	AD
D-3	8/31/2016	468.34	35.30	433.04	AD
D-3	8/31/2016	468.34	35.30	433.04	AD
D-3	11/07/2016	468.34	35.45	432.89	AD
D-3	11/11/2016	468.34	35.63	432.71	AD
D-3	2/06/2017	468.34	38.10	430.24	AD
D-3	2/15/2017	468.34	38.49	429.85	AD
D-3	5/01/2017	468.34	37.08	431.26	AD
D-3	5/11/2017	468.34	34.70	433.64	AD
D-6	8/31/1995	447.20	13.23	433.97	AD
D-6	10/02/1995	447.20	14.82	432.38	AD
D-6	10/31/1995	447.20	15.50	431.70	AD
D-6	11/30/1995	447.20	16.09	431.11	AD
D-6	12/15/1995	447.20	16.46	430.74	AD
D-6	1/05/1996	447.20	16.77	430.43	AD
D-6	2/05/1996	447.20	17.31	429.89	AD
D-6	3/04/1996	447.20	17.91	429.29	AD
D-6	4/02/1996	447.20	18.16	429.04	AD
D-6	4/30/1996	447.20	17.07	430.13	AD
D-6	5/03/1996	447.20	16.51	430.69	AD
D-6	6/13/1996	447.20	12.54	434.66	AD
D-6	7/05/1996	447.20	12.99	434.21	AD
D-6	7/12/1996	447.20	13.20	434.00	AD
D-6	8/08/1996	447.20	13.87	433.33	AD
D-6	9/06/1996	447.20	14.85	432.35	AD
D-6	10/02/1996	447.20	15.12	432.08	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-6	2/03/1997	447.20	16.00	431.20	AD
D-6	5/09/1997	447.20	13.04	434.16	AD
D-6	5/22/2000	447.20	19.02	428.18	AD
D-6	3/23/2004	447.20	19.75	427.45	AD
D-6	3/25/2004	447.20	19.24	427.96	AD
D-6	5/10/2004	447.20	18.72	428.48	AD
D-6	5/12/2004	447.20	18.34	428.86	AD
D-6	7/30/2012	447.62	18.94	428.68	AD
D-6	8/07/2012	447.62	18.25	429.37	AD
D-6	4/02/2013	447.62	21.05	426.57	AD
D-6	4/09/2013	447.62	19.92	427.70	AD
D-6	7/08/2013	447.62	15.21	432.41	AD
D-6	7/12/2013	447.62	14.45	433.17	AD
D-6	9/30/2013	447.62	18.29	429.33	AD
D-6	10/08/2013	447.62	17.70	429.92	AD
D-81	8/13/1984	450.42	16.02	434.40	AD
D-81	8/15/1984	450.42	16.63	433.79	AD
D-81	8/20/1984	450.42	17.60	432.82	AD
D-81	8/21/1984	450.42	17.60	432.82	AD
D-81	8/21/1984	450.42	17.75	432.67	AD
D-81	8/24/1984	450.42	16.94	433.48	AD
D-81	8/29/1984	450.42	18.28	432.14	AD
D-81	10/26/1984	450.42	17.35	433.07	AD
D-81	12/19/1984	450.42	17.30	433.12	AD
D-81	3/30/1985	450.42	14.92	435.50	AD
D-81	4/25/1985	450.42	15.88	434.54	AD
D-81	6/07/1985	450.42	15.73	434.69	AD
D-81	8/08/1985	450.42	17.68	432.74	AD
D-81	12/13/1985	450.42	14.71	435.71	AD
D-81	5/19/1986	450.42	18.12	432.30	AD
D-81	6/04/1990	450.42	17.19	433.23	AD
D-81	11/22/1994	450.60	20.30	430.30	AD
D-81	12/29/1994	450.60	20.39	430.21	AD
D-81	1/30/1995	450.60	19.56	431.04	AD
D-81	3/03/1995	450.60	19.95	430.65	AD
D-81	3/30/1995	450.60	19.95	430.65	AD
D-81	4/28/1995	450.60	19.29	431.31	AD
D-81	5/26/1995	450.60	15.62	434.98	AD
D-81	6/30/1995	450.60	16.08	434.52	AD
D-81	7/28/1995	450.60	16.14	434.46	AD
D-81	8/03/1995	450.60	16.14	434.46	AD
D-81	8/31/1995	450.60	16.91	433.69	AD
D-81	10/02/1995	450.60	18.24	432.36	AD
D-81	10/31/1995	450.60	18.95	431.65	AD
D-81	11/30/1995	450.60	19.04	431.56	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-81	12/13/1995	450.60	19.38	431.22	AD
D-81	1/05/1996	450.60	19.71	430.89	AD
D-81	2/06/1996	450.60	20.48	430.12	AD
D-81	3/05/1996	450.60	21.10	429.50	AD
D-81	4/02/1996	450.60	21.31	429.29	AD
D-81	4/30/1996	450.60	20.60	430.00	AD
D-81	5/03/1996	450.60	19.97	430.63	AD
D-81	6/13/1996	450.60	16.71	433.89	AD
D-81	7/05/1996	450.60	16.78	433.82	AD
D-81	7/12/1996	450.60	17.08	433.52	AD
D-81	8/08/1996	450.60	17.70	432.90	AD
D-81	9/06/1996	450.60	18.42	432.18	AD
D-81	10/02/1996	450.60	18.37	432.23	AD
D-81	2/03/1997	450.60	19.13	431.47	AD
D-81	5/09/1997	450.60	16.93	433.67	AD
D-81	7/30/2012	450.65	21.21	429.44	AD
D-81	8/09/2012	450.65	21.05	429.60	AD
D-81	4/02/2013	450.65	23.01	427.64	AD
D-81	4/03/2013	450.65	22.77	427.88	AD
D-81	7/08/2013	450.65	17.94	432.71	AD
D-81	7/17/2013	450.65	18.20	432.45	AD
D-81	9/30/2013	450.65	20.53	430.12	AD
D-81	10/03/2013	450.65	20.46	430.19	AD
D-81	5/31/2016	450.65	17.64	433.01	AD
D-81	8/22/2016	450.65	18.25	432.40	AD
D-81	8/26/2016	450.65	18.40	432.25	AD
D-81	11/07/2016	450.65	18.36	432.29	AD
D-81	2/06/2017	450.65	21.11	429.54	AD
D-81	5/01/2017	450.65	19.37	431.28	AD
D-83	8/16/1984	447.22	13.72	433.50	AD
D-83	8/21/1984	447.22	14.50	432.72	AD
D-83	8/27/1984	447.22	14.84	432.38	AD
D-83	8/27/1984	447.22	15.00	432.22	AD
D-83	8/29/1984	447.22	15.04	432.18	AD
D-83	10/03/1984	447.22	15.39	431.83	AD
D-83	10/26/1984	447.22	14.55	432.67	AD
D-83	12/19/1984	447.22	14.40	432.82	AD
D-83	3/30/1985	447.22	11.46	435.76	AD
D-83	4/25/1985	447.22	11.83	435.39	AD
D-83	6/07/1985	447.22	12.14	435.08	AD
D-83	8/08/1985	447.22	14.18	433.04	AD
D-83	12/12/1985	447.22	10.56	436.66	AD
D-83	5/19/1986	447.22	15.08	432.14	AD
D-83	6/04/1990	447.22	14.75	432.47	AD
D-83	11/22/1994	448.08	18.29	429.79	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-83	12/29/1994	448.08	18.40	429.68	AD
D-83	1/30/1995	448.08	17.50	430.58	AD
D-83	3/03/1995	448.08	17.82	430.26	AD
D-83	3/30/1995	448.08	17.76	430.32	AD
D-83	4/28/1995	448.08	17.27	430.81	AD
D-83	5/26/1995	448.08	12.17	435.91	AD
D-83	6/30/1995	448.08	12.16	435.92	AD
D-83	7/28/1995	448.08	12.61	435.47	AD
D-83	8/03/1995	448.08	12.61	435.47	AD
D-83	8/31/1995	448.08	13.88	434.20	AD
D-83	10/02/1995	448.08	15.70	432.38	AD
D-83	10/31/1995	448.08	16.41	431.67	AD
D-83	11/30/1995	448.08	17.01	431.07	AD
D-83	12/15/1995	448.08	18.24	429.84	AD
D-83	1/05/1996	448.08	17.77	430.31	AD
D-83	2/05/1996	448.08	18.97	429.11	AD
D-83	3/04/1996	448.08	19.60	428.48	AD
D-83	4/02/1996	448.08	19.79	428.29	AD
D-83	4/30/1996	448.08	18.50	429.58	AD
D-83	5/03/1996	448.08	18.61	429.47	AD
D-83	6/13/1996	448.08	13.90	434.18	AD
D-83	7/05/1996	448.08	13.72	434.36	AD
D-83	7/12/1996	448.08	14.63	433.45	AD
D-83	8/08/1996	448.08	15.41	432.67	AD
D-83	9/06/1996	448.08	16.39	431.69	AD
D-83	10/02/1996	448.08	15.96	432.12	AD
D-83	2/03/1997	448.08	17.72	430.36	AD
D-83	5/09/1997	448.08	14.48	433.60	AD
D-83	7/30/2012	448.21	19.05	429.16	AD
D-83	8/09/2012	448.21	19.08	429.13	AD
D-83	4/02/2013	448.21	21.21	427.00	AD
D-83	4/09/2013	448.21	21.01	427.20	AD
D-83	7/08/2013	448.21	15.16	433.05	AD
D-83	7/11/2013	448.21	15.25	432.96	AD
D-83	9/30/2013	448.21	18.43	429.78	AD
D-83	10/08/2013	448.21	18.70	429.51	AD
D-85	8/22/1984	456.75	25.05	431.70	AD
D-85	8/24/1984	456.75	20.05	436.70	AD
D-85	8/27/1984	456.75	24.09	432.66	AD
D-85	8/27/1984	456.75	24.12	432.63	AD
D-85	8/27/1984	456.75	24.21	432.54	AD
D-85	8/30/1984	456.75	24.50	432.25	AD
D-85	10/03/1984	456.75	24.54	432.21	AD
D-85	10/26/1984	456.75	23.35	433.40	AD
D-85	12/19/1984	456.75	23.50	433.25	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-85	3/30/1985	456.75	20.62	436.13	AD
D-85	4/25/1985	456.75	21.08	435.67	AD
D-85	6/04/1985	456.75	22.48	434.27	AD
D-85	6/07/1985	456.75	21.25	435.50	AD
D-85	8/08/1985	456.75	23.22	433.53	AD
D-85	12/11/1985	456.75	20.20	436.55	AD
D-85	5/20/1986	456.75	24.40	432.35	AD
D-85	6/04/1990	456.75	24.71	432.04	AD
D-85	8/05/1993	456.75	18.47	438.28	AD
D-85	11/22/1994	456.73	26.82	429.91	AD
D-85	12/29/1994	456.73	26.77	429.96	AD
D-85	1/30/1995	456.73	25.87	430.86	AD
D-85	3/03/1995	456.73	26.12	430.61	AD
D-85	3/30/1995	456.73	26.13	430.60	AD
D-85	4/28/1995	456.73	25.89	430.84	AD
D-85	5/26/1995	456.73	20.60	436.13	AD
D-85	6/30/1995	456.73	20.81	435.92	AD
D-85	7/28/1995	456.73	21.71	435.02	AD
D-85	8/03/1995	456.73	21.26	435.47	AD
D-85	8/31/1995	456.73	22.53	434.20	AD
D-85	10/02/1995	456.73	24.35	432.38	AD
D-85	10/31/1995	456.73	25.06	431.67	AD
D-85	11/30/1995	456.73	25.66	431.07	AD
D-85	12/14/1995	456.73	33.82	422.91	AD
D-85	1/05/1996	456.73	26.11	430.62	AD
D-85	2/06/1996	456.73	28.00	428.73	AD
D-85	3/04/1996	456.73	28.61	428.12	AD
D-85	4/02/1996	456.73	28.85	427.88	AD
D-85	4/30/1996	456.73	27.56	429.17	AD
D-85	5/01/1996	456.73	27.52	429.21	AD
D-85	5/02/1996	456.73	27.33	429.40	AD
D-85	5/03/1996	456.73	27.28	429.45	AD
D-85	6/13/1996	456.73	23.46	433.27	AD
D-85	7/05/1996	456.73	22.39	434.34	AD
D-85	7/12/1996	456.73	24.09	432.64	AD
D-85	8/08/1996	456.73	24.77	431.96	AD
D-85	9/06/1996	456.73	25.78	430.95	AD
D-85	10/02/1996	456.73	24.61	432.12	AD
D-85	2/04/1997	456.73	26.48	430.25	AD
D-85	5/09/1997	456.73	23.87	432.86	AD
D-85	8/11/1997	456.73	26.16	430.57	AD
D-85	11/06/1997	456.73	27.29	429.44	AD
D-85	2/10/1998	456.73	27.01	429.72	AD
D-85	5/26/1998	456.73	23.27	433.46	AD
D-85	11/09/1998	456.73	24.75	431.98	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-85	5/14/1999	456.73	23.59	433.14	AD
D-85	11/19/1999	456.73	28.11	428.62	AD
D-85	5/22/2000	456.73	29.88	426.85	AD
D-85	5/20/2002	456.73	24.49	432.24	AD
D-85	11/18/2002	456.73	27.83	428.90	AD
D-85	5/27/2003	456.73	31.33	425.40	AD
D-85	11/19/2003	456.73	30.78	425.95	AD
D-85	3/23/2004	456.73	28.72	428.01	AD
D-85	3/29/2004	456.73	28.37	428.36	AD
D-85	5/10/2004	456.73	29.22	427.51	AD
D-85	5/12/2004	456.73	27.73	429.00	AD
D-85	11/16/2004	456.73	28.92	427.81	AD
D-85	5/23/2005	456.73	28.74	427.99	AD
D-85	11/17/2005	456.73	30.39	426.34	AD
D-85	5/31/2006	456.73	32.79	423.94	AD
D-85	11/30/2006	456.73	33.28	423.45	AD
D-85	5/31/2007	456.73	30.17	426.56	AD
D-85	11/06/2007	456.73	29.67	427.06	AD
D-85	5/06/2008	456.73	25.29	431.44	AD
D-85	11/03/2008	456.73	25.37	431.36	AD
D-85	5/05/2009	456.73	26.48	430.25	AD
D-85	11/02/2009	456.73	23.52	433.21	AD
D-85	5/18/2010	456.73	23.45	433.28	AD
D-85	11/09/2010	456.73	25.81	430.92	AD
D-85	5/09/2011	456.73	21.78	434.95	AD
D-85	11/16/2011	456.73	22.57	434.16	AD
D-85	5/09/2012	457.26	25.70	431.56	AD
D-85	7/30/2012	457.26	27.90	429.36	AD
D-85	8/08/2012	457.26	27.46	429.80	AD
D-85	11/26/2012	457.26	29.37	427.89	AD
D-85	4/02/2013	457.26	30.26	427.00	AD
D-85	4/11/2013	457.26	29.42	427.84	AD
D-85	4/12/2013	457.26	29.65	427.61	AD
D-85	7/08/2013	457.26	24.21	433.05	AD
D-85	7/10/2013	457.26	23.55	433.71	AD
D-85	9/30/2013	457.26	27.24	430.02	AD
D-85	10/09/2013	457.26	27.00	430.26	AD
D-85	5/27/2014	457.26	29.01	428.25	AD
D-85	9/22/2014	457.26	26.57	430.69	AD
D-85	11/18/2014	457.26	26.09	431.17	AD
D-85	2/02/2015	457.26	27.36	429.90	AD
D-85	5/12/2015	457.26	27.14	430.12	AD
D-85	8/18/2015	457.26	21.22	436.04	AD
D-85	11/16/2015	457.26	25.83	431.43	AD
D-85	2/29/2016	457.26	23.05	434.21	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-85	5/31/2016	457.26	23.09	434.17	AD
D-85	8/22/2016	457.26	23.85	433.41	AD
D-85	8/31/2016	457.26	24.27	432.99	AD
D-85	9/06/2016	457.26	24.55	432.71	AD
D-85	11/07/2016	457.26	24.42	432.84	AD
D-85	2/06/2017	457.26	27.30	429.96	AD
D-85	2/17/2017	457.26	27.61	429.65	AD
D-85	5/01/2017	457.26	25.82	431.44	AD
D-85	5/15/2017	457.26	22.95	434.31	AD
D-85	8/28/2017	457.26	24.82	432.44	AD
D-85	11/02/2017	457.26	26.44	430.82	AD
D-85	11/10/2017	457.26	26.62	430.64	AD
D-85	2/14/2018	457.26	28.95	428.31	AD
D-85	8/06/2018	457.26	26.11	431.15	AD
D-85	11/13/2018	457.26	24.91	432.35	AD
D-87	8/09/1984	462.64	30.04	432.60	AD
D-87	8/10/1984	462.64	4.46	458.18	AD
D-87	8/14/1984	462.64	26.05	436.59	AD
D-87	8/20/1984	462.64	29.75	432.89	AD
D-87	8/23/1984	462.64	30.00	432.64	AD
D-87	8/23/1984	462.64	30.30	432.34	AD
D-87	8/27/1984	462.64	29.29	433.35	AD
D-87	8/27/1984	462.64	30.50	432.14	AD
D-87	8/29/1984	462.64	30.46	432.18	AD
D-87	10/03/1984	462.64	30.61	432.03	AD
D-87	10/26/1984	462.64	29.75	432.89	AD
D-87	12/19/1984	462.64	29.60	433.04	AD
D-87	3/30/1985	462.64	27.09	435.55	AD
D-87	4/25/1985	462.64	27.50	435.14	AD
D-87	6/04/1985	462.64	28.74	433.90	AD
D-87	6/07/1985	462.64	27.88	434.76	AD
D-87	8/08/1985	462.64	29.78	432.86	AD
D-87	12/11/1985	462.64	26.75	435.89	AD
D-87	5/20/1986	462.64	27.75	434.89	AD
D-87	6/04/1990	462.64	30.52	432.12	AD
D-87	11/22/1994	462.65	32.81	429.84	AD
D-87	12/29/1994	462.65	32.82	429.83	AD
D-87	1/30/1995	462.65	31.96	430.69	AD
D-87	3/03/1995	462.65	32.19	430.46	AD
D-87	3/30/1995	462.65	32.20	430.45	AD
D-87	4/28/1995	462.65	31.81	430.84	AD
D-87	5/26/1995	462.65	27.10	435.55	AD
D-87	6/30/1995	462.65	27.57	435.08	AD
D-87	7/28/1995	462.65	27.86	434.79	AD
D-87	8/03/1995	462.65	27.86	434.79	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-87	8/31/1995	462.65	28.69	433.96	AD
D-87	10/02/1995	462.65	30.28	432.37	AD
D-87	10/31/1995	462.65	30.96	431.69	AD
D-87	11/30/1995	462.65	31.36	431.29	AD
D-87	12/15/1995	462.65	31.82	430.83	AD
D-87	1/05/1996	462.65	32.11	430.54	AD
D-87	2/06/1996	462.65	33.12	429.53	AD
D-87	3/04/1996	462.65	33.62	429.03	AD
D-87	4/02/1996	462.65	34.04	428.61	AD
D-87	4/30/1996	462.65	33.21	429.44	AD
D-87	5/01/1996	462.65	33.05	429.60	AD
D-87	5/02/1996	462.65	32.81	429.84	AD
D-87	5/03/1996	462.65	32.72	429.93	AD
D-87	6/13/1996	462.65	28.73	433.92	AD
D-87	7/05/1996	462.65	28.60	434.05	AD
D-87	7/12/1996	462.65	29.21	433.44	AD
D-87	8/08/1996	462.65	29.89	432.76	AD
D-87	9/06/1996	462.65	30.77	431.88	AD
D-87	10/02/1996	462.65	30.58	432.07	AD
D-87	2/03/1997	462.65	31.76	430.89	AD
D-87	5/09/1997	462.65	29.05	433.60	AD
D-87	5/22/2000	462.65	34.90	427.75	AD
D-87	7/30/2012	464.47	35.18	429.29	AD
D-87	8/01/2012	464.47	34.80	429.67	AD
D-87	4/02/2013	464.47	37.48	426.99	AD
D-87	4/09/2013	464.47	36.80	427.67	AD
D-87	7/08/2013	464.47	31.66	432.81	AD
D-87	7/17/2013	464.47	31.59	432.88	AD
D-87	9/30/2013	464.47	44.51	419.96	AD
D-87	10/02/2013	464.47	34.17	430.30	AD
D-87	8/22/2016	464.47	31.67	432.80	AD
D-87	8/25/2016	464.47	31.74	432.73	AD
D-87	8/31/2016	464.47	31.94	432.53	AD
D-87	11/07/2016	464.47	32.14	432.33	AD
D-87	11/10/2016	464.47	32.12	432.35	AD
D-87	2/06/2017	464.47	34.90	429.57	AD
D-87	2/09/2017	464.47	32.12	432.35	AD
D-87	5/01/2017	464.47	33.64	430.83	AD
D-87	8/28/2017	464.47	32.24	432.23	AD
D-87	11/02/2017	464.47	33.88	430.59	AD
D-87	2/14/2018	464.47	36.61	427.86	AD
D-87	8/06/2018	464.47	33.51	430.96	AD
D-87	11/13/2018	464.47	32.22	432.25	AD
D-92	4/17/1985	474.99	38.90	436.09	AD
D-92	4/22/1985	474.99	40.20	434.79	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-92	4/23/1985	474.99	39.30	435.69	AD
D-92	4/24/1985	474.99	40.50	434.49	AD
D-92	4/25/1985	474.99	40.04	434.95	AD
D-92	6/04/1985	474.99	41.17	433.82	AD
D-92	6/07/1985	474.99	38.06	436.93	AD
D-92	8/08/1985	474.99	42.08	432.91	AD
D-92	12/12/1985	474.99	38.55	436.44	AD
D-92	5/19/1986	474.99	42.40	432.59	AD
D-93	4/22/1985	450.30	15.30	435.00	AD
D-93	4/24/1985	450.30	15.50	434.80	AD
D-93	4/25/1985	450.30	15.46	434.84	AD
D-93	6/07/1985	450.30	15.51	434.79	AD
D-93	8/08/1985	450.30	17.50	432.80	AD
D-93	12/12/1985	450.30	14.24	436.06	AD
D-93	5/20/1986	450.30	17.94	432.36	AD
D-93	6/04/1990	450.30	16.99	433.31	AD
D-93	11/22/1994	448.22	19.66	428.56	AD
D-93	12/29/1994	448.22	19.74	428.48	AD
D-93	1/30/1995	448.22	18.92	429.30	AD
D-93	3/03/1995	448.22	19.22	429.00	AD
D-93	3/30/1995	448.22	19.18	429.04	AD
D-93	4/28/1995	448.22	18.58	429.64	AD
D-93	5/26/1995	448.22	14.02	434.20	AD
D-93	6/30/1995	448.22	14.67	433.55	AD
D-93	7/28/1995	448.22	14.83	433.39	AD
D-93	8/03/1995	448.22	14.83	433.39	AD
D-93	8/31/1995	448.22	15.79	432.43	AD
D-93	10/02/1995	448.22	17.25	430.97	AD
D-93	10/31/1995	448.22	18.01	430.21	AD
D-93	11/30/1995	448.22	18.34	429.88	AD
D-93	12/15/1995	448.22	16.66	431.56	AD
D-93	1/05/1996	448.22	19.06	429.16	AD
D-93	2/06/1996	448.22	17.58	430.64	AD
D-93	3/05/1996	448.22	18.21	430.01	AD
D-93	4/02/1996	448.22	18.43	429.79	AD
D-93	4/30/1996	448.22	17.35	430.87	AD
D-93	5/03/1996	448.22	16.88	431.34	AD
D-93	6/13/1996	448.22	13.20	435.02	AD
D-93	7/05/1996	448.22	15.59	432.63	AD
D-93	7/12/1996	448.22	13.68	434.54	AD
D-93	8/08/1996	448.22	14.39	433.83	AD
D-93	9/06/1996	448.22	15.22	433.00	AD
D-93	10/02/1996	448.22	17.50	430.72	AD
D-93	2/03/1997	448.22	16.28	431.94	AD
D-93	5/09/1997	448.22	13.55	434.67	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
D-93	5/22/2000	448.22	19.24	428.98	AD
D-93	3/23/2004	448.22	19.38	428.84	AD
D-93	3/29/2004	448.22	21.22	427.00	AD
D-93	5/10/2004	448.22	19.30	428.92	AD
D-93	5/11/2004	448.22	20.51	427.71	AD
D-93	7/30/2012	450.84	21.82	429.02	AD
D-93	8/14/2012	450.84	21.57	429.27	AD
D-93	4/02/2013	450.84	24.68	426.16	AD
D-93	4/09/2013	450.84	22.16	428.68	AD
D-93	7/08/2013	450.84	17.33	433.51	AD
D-93	7/11/2013	450.84	16.98	433.86	AD
D-93	9/30/2013	450.84	20.23	430.61	AD
D-93	10/08/2013	450.84	16.98	433.86	AD
D-94	4/25/1985	442.28	7.29	434.99	AD
D-94	6/04/1985	442.28	7.88	434.40	AD
D-94	6/07/1985	442.28	6.98	435.30	AD
D-94	8/08/1985	442.28	8.75	433.53	AD
D-94	12/12/1985	442.28	5.25	437.03	AD
D-94	5/20/1986	442.28	10.90	431.38	AD
D-94	6/04/1990	442.28	9.96	432.32	AD
D-95	4/25/1985	452.69	16.75	435.94	AD
D-95	6/07/1985	452.69	17.02	435.67	AD
D-95	8/08/1985	452.69	19.01	433.68	AD
D-95	12/12/1985	452.69	15.35	437.34	AD
D-95	5/21/1986	452.69	20.46	432.23	AD
F-1-D	6/18/1993	461.25	25.32	435.93	AD
F-1-D	11/22/1994	461.23	31.42	429.81	AD
F-1-D	12/29/1994	461.23	31.31	429.92	AD
F-1-D	1/30/1995	461.23	30.51	430.72	AD
F-1-D	3/03/1995	461.23	30.70	430.53	AD
F-1-D	3/30/1995	461.23	30.78	430.45	AD
F-1-D	4/28/1995	461.23	30.41	430.82	AD
F-1-D	5/26/1995	461.23	26.04	435.19	AD
F-1-D	6/30/1995	461.23	26.34	434.89	AD
F-1-D	7/28/1995	461.23	26.61	434.62	AD
F-1-D	8/31/1995	461.23	27.36	433.87	AD
F-1-D	10/02/1995	461.23	28.86	432.37	AD
F-1-D	10/31/1995	461.23	29.60	431.63	AD
F-1-D	11/30/1995	461.23	29.88	431.35	AD
F-1-D	1/05/1996	461.23	30.62	430.61	AD
F-1-D	4/02/1996	461.23	32.02	429.21	AD
F-1-D	7/05/1996	461.23	27.29	433.94	AD
PZ-113-AD	5/06/1995	461.06	29.64	431.42	AD
PZ-113-AD	5/17/1995	461.06	28.90	432.16	AD
PZ-113-AD	5/22/1995	461.06	26.07	434.99	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-113-AD	5/24/1995	461.06	25.70	435.36	AD
PZ-113-AD	6/07/1995	461.06	26.05	435.01	AD
PZ-113-AD	6/27/1995	461.06	25.78	435.28	AD
PZ-113-AD	7/11/1995	461.06	25.99	435.07	AD
PZ-113-AD	7/26/1995	461.06	26.33	434.73	AD
PZ-113-AD	8/15/1995	461.06	26.28	434.78	AD
PZ-113-AD	8/26/1995	461.06	27.72	433.34	AD
PZ-113-AD	9/30/1995	461.06	28.57	432.49	AD
PZ-113-AD	10/28/1995	461.06	29.18	431.88	AD
PZ-113-AD	11/18/1995	461.06	29.64	431.42	AD
PZ-113-AD	12/14/1995	461.06	30.28	430.78	AD
PZ-113-AD	12/20/1995	461.06	30.18	430.88	AD
PZ-113-AD	12/24/1995	461.06	30.09	430.97	AD
PZ-113-AD	12/26/1995	461.06	30.19	430.87	AD
PZ-113-AD	12/31/1995	461.06	30.27	430.79	AD
PZ-113-AD	1/04/1996	461.06	30.43	430.63	AD
PZ-113-AD	2/06/1996	461.06	31.02	430.04	AD
PZ-113-AD	3/04/1996	461.06	31.54	429.52	AD
PZ-113-AD	4/03/1996	461.06	31.84	429.22	AD
PZ-113-AD	4/30/1996	461.06	31.17	429.89	AD
PZ-113-AD	5/01/1996	461.06	30.96	430.10	AD
PZ-113-AD	5/02/1996	461.06	30.73	430.33	AD
PZ-113-AD	5/03/1996	461.06	30.65	430.41	AD
PZ-113-AD	6/13/1996	461.06	26.67	434.39	AD
PZ-113-AD	7/12/1996	461.06	27.11	433.95	AD
PZ-113-AD	8/08/1996	461.06	27.76	433.30	AD
PZ-113-AD	9/06/1996	461.06	28.72	432.34	AD
PZ-113-AD	2/03/1997	461.06	29.66	431.40	AD
PZ-113-AD	5/09/1997	461.06	26.98	434.08	AD
PZ-113-AD	8/11/1997	461.06	29.13	431.93	AD
PZ-113-AD	11/06/1997	461.06	30.20	430.86	AD
PZ-113-AD	2/09/1998	461.06	30.00	431.06	AD
PZ-113-AD	5/26/1998	461.06	27.01	434.05	AD
PZ-113-AD	11/09/1998	461.06	27.61	433.45	AD
PZ-113-AD	5/14/1999	461.06	27.87	433.19	AD
PZ-113-AD	5/22/2000	461.06	32.81	428.25	AD
PZ-113-AD	5/20/2002	461.06	29.21	431.85	AD
PZ-113-AD	11/18/2002	461.06	32.33	428.73	AD
PZ-113-AD	5/27/2003	461.06	34.03	427.03	AD
PZ-113-AD	11/19/2003	461.06	33.75	427.31	AD
PZ-113-AD	5/10/2004	461.06	32.20	428.86	AD
PZ-113-AD	11/16/2004	461.06	31.96	429.10	AD
PZ-113-AD	5/23/2005	461.06	31.71	429.35	AD
PZ-113-AD	11/17/2005	461.06	31.48	429.58	AD
PZ-113-AD	5/31/2006	461.06	35.69	425.37	AD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-113-AD	11/30/2006	461.06	36.24	424.82	AD
PZ-113-AD	5/31/2007	461.06	32.85	428.21	AD
PZ-113-AD	11/06/2007	461.06	32.57	428.49	AD
PZ-113-AD	5/06/2008	461.06	28.31	432.75	AD
PZ-113-AD	11/03/2008	461.06	28.45	432.61	AD
PZ-113-AD	5/05/2009	461.06	29.41	431.65	AD
PZ-113-AD	11/02/2009	461.06	27.15	433.91	AD
PZ-113-AD	5/18/2010	461.06	26.90	434.16	AD
PZ-113-AD	11/09/2010	461.06	28.82	432.24	AD
PZ-113-AD	5/09/2011	461.06	27.00	434.06	AD
PZ-113-AD	11/16/2011	461.06	29.26	431.80	AD
PZ-113-AD	5/09/2012	461.84	29.15	432.69	AD
PZ-113-AD	7/30/2012	461.84	32.38	429.46	AD
PZ-113-AD	11/26/2012	461.84	33.83	428.01	AD
PZ-113-AD	4/02/2013	461.84	34.76	427.08	AD
PZ-113-AD	4/12/2013	461.84	34.06	427.78	AD
PZ-113-AD	7/08/2013	461.84	28.80	433.04	AD
PZ-113-AD	9/30/2013	461.84	31.68	430.16	AD
PZ-113-AD	5/27/2014	461.84	33.38	428.46	AD
PZ-113-AD	9/22/2014	461.84	30.91	430.93	AD
PZ-113-AD	11/18/2014	461.84	30.50	431.34	AD
PZ-113-AD	2/02/2015	461.84	31.91	429.93	AD
PZ-113-AD	5/12/2015	461.84	31.63	430.21	AD
PZ-113-AD	8/18/2015	461.84	26.29	435.55	AD
PZ-113-AD	11/16/2015	461.84	30.33	431.51	AD
PZ-113-AD	2/29/2016	461.84	27.90	433.94	AD
PZ-113-AD	5/31/2016	461.84	27.97	433.87	AD
PZ-113-AD	8/22/2016	461.84	28.55	433.29	AD
PZ-113-AD	8/31/2016	461.84	28.85	432.99	AD
PZ-113-AD	11/07/2016	461.84	29.07	432.77	AD
PZ-113-AD	2/06/2017	461.84	31.78	430.06	AD
PZ-113-AD	5/01/2017	461.84	30.68	431.16	AD
PZ-113-AD	8/28/2017	461.84	29.19	432.65	AD
PZ-113-AD	11/02/2017	461.84	30.84	431.00	AD
PZ-113-AD	2/14/2018	461.84	33.51	428.33	AD
PZ-113-AD	8/06/2018	461.84	30.40	431.44	AD
PZ-113-AD	11/13/2018	461.84	29.29	432.55	AD
PZ-100-SS	12/24/1995	485.44	73.33	412.11	SS
PZ-100-SS	12/26/1995	485.44	72.33	413.11	SS
PZ-100-SS	12/31/1995	485.44	72.20	413.24	SS
PZ-100-SS	1/04/1996	485.44	72.21	413.23	SS
PZ-100-SS	2/06/1996	485.44	72.38	413.06	SS
PZ-100-SS	3/04/1996	485.44	72.64	412.80	SS
PZ-100-SS	4/03/1996	485.44	72.97	412.47	SS
PZ-100-SS	4/30/1996	485.44	73.10	412.34	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-100-SS	5/01/1996	485.44	73.05	412.39	SS
PZ-100-SS	5/02/1996	485.44	73.03	412.41	SS
PZ-100-SS	5/03/1996	485.44	73.01	412.43	SS
PZ-100-SS	6/13/1996	485.44	72.74	412.70	SS
PZ-100-SS	7/12/1996	485.44	72.90	412.54	SS
PZ-100-SS	8/08/1996	485.44	73.19	412.25	SS
PZ-100-SS	8/26/1996	485.44	73.23	412.21	SS
PZ-100-SS	9/06/1996	485.44	74.68	410.76	SS
PZ-100-SS	2/04/1997	485.44	86.46	398.98	SS
PZ-100-SS	5/09/1997	485.44	71.94	413.50	SS
PZ-100-SS	8/11/1997	485.44	73.03	412.41	SS
PZ-100-SS	8/12/1997	485.44	73.04	412.40	SS
PZ-100-SS	11/06/1997	485.44	72.56	412.88	SS
PZ-100-SS	11/11/1997	485.44	72.86	412.58	SS
PZ-100-SS	2/09/1998	485.44	70.04	415.40	SS
PZ-100-SS	5/26/1998	485.44	63.07	422.37	SS
PZ-100-SS	11/09/1998	485.44	69.20	416.24	SS
PZ-100-SS	5/14/1999	485.44	56.48	428.96	SS
PZ-100-SS	11/19/1999	485.44	66.91	418.53	SS
PZ-100-SS	5/22/2000	485.44	60.29	425.15	SS
PZ-100-SS	5/23/2000	485.44	60.09	425.35	SS
PZ-100-SS	11/13/2000	485.44	70.52	414.92	SS
PZ-100-SS	5/15/2001	485.44	63.58	421.86	SS
PZ-100-SS	5/15/2001	485.44	63.58	421.86	SS
PZ-100-SS	11/07/2001	485.44	55.89	429.55	SS
PZ-100-SS	11/07/2001	485.44	55.89	429.55	SS
PZ-100-SS	5/20/2002	485.44	41.09	444.35	SS
PZ-100-SS	5/21/2002	485.44	40.93	444.51	SS
PZ-100-SS	11/18/2002	485.44	51.61	433.83	SS
PZ-100-SS	11/19/2002	485.44	51.98	433.46	SS
PZ-100-SS	5/27/2003	485.44	61.42	424.02	SS
PZ-100-SS	5/28/2003	485.44	51.98	433.46	SS
PZ-100-SS	11/19/2003	485.44	38.73	446.71	SS
PZ-100-SS	11/21/2003	485.44	39.27	446.17	SS
PZ-100-SS	5/10/2004	485.44	53.35	432.09	SS
PZ-100-SS	5/11/2004	485.44	53.03	432.41	SS
PZ-100-SS	5/17/2004	485.44	46.17	439.27	SS
PZ-100-SS	11/16/2004	485.44	46.22	439.22	SS
PZ-100-SS	5/23/2005	485.44	56.39	429.05	SS
PZ-100-SS	5/24/2005	485.44	56.00	429.44	SS
PZ-100-SS	11/17/2005	485.44	38.03	447.41	SS
PZ-100-SS	11/29/2005	485.44	36.07	449.37	SS
PZ-100-SS	5/23/2006	485.44	53.00	432.44	SS
PZ-100-SS	5/31/2006	485.44	52.89	432.55	SS
PZ-100-SS	11/07/2006	485.44	43.70	441.74	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-100-SS	11/30/2006	485.44	43.80	441.64	SS
PZ-100-SS	5/18/2007	485.44	54.69	430.75	SS
PZ-100-SS	5/31/2007	485.44	54.88	430.56	SS
PZ-100-SS	11/06/2007	485.44	61.71	423.73	SS
PZ-100-SS	11/07/2007	485.44	61.51	423.93	SS
PZ-100-SS	5/06/2008	485.44	42.70	442.74	SS
PZ-100-SS	5/07/2008	485.44	42.89	442.55	SS
PZ-100-SS	11/03/2008	485.44	52.49	432.95	SS
PZ-100-SS	11/04/2008	485.44	52.78	432.66	SS
PZ-100-SS	5/05/2009	485.44	61.40	424.04	SS
PZ-100-SS	5/08/2009	485.44	61.20	424.24	SS
PZ-100-SS	11/02/2009	485.44	61.68	423.76	SS
PZ-100-SS	11/04/2009	485.44	61.51	423.93	SS
PZ-100-SS	5/18/2010	485.44	66.26	419.18	SS
PZ-100-SS	5/19/2010	485.44	66.20	419.24	SS
PZ-100-SS	11/09/2010	485.44	69.91	415.53	SS
PZ-100-SS	11/10/2010	485.44	69.90	415.54	SS
PZ-100-SS	5/09/2011	485.44	58.55	426.89	SS
PZ-100-SS	5/11/2011	485.44	59.40	426.04	SS
PZ-100-SS	11/16/2011	485.44	67.53	417.91	SS
PZ-100-SS	11/17/2011	485.44	67.60	417.84	SS
PZ-100-SS	5/09/2012	486.15	39.85	446.30	SS
PZ-100-SS	5/10/2012	486.15	39.25	446.90	SS
PZ-100-SS	7/30/2012	486.15	48.30	437.85	SS
PZ-100-SS	7/31/2012	486.15	47.60	438.55	SS
PZ-100-SS	10/08/2012	486.15	33.94	452.21	SS
PZ-100-SS	11/26/2012	486.15	40.20	445.95	SS
PZ-100-SS	4/02/2013	486.15	35.37	450.78	SS
PZ-100-SS	4/12/2013	486.15	34.57	451.58	SS
PZ-100-SS	7/08/2013	486.15	34.98	451.17	SS
PZ-100-SS	7/09/2013	486.15	34.15	452.00	SS
PZ-100-SS	9/30/2013	486.15	34.52	451.63	SS
PZ-100-SS	5/27/2014	486.15	32.29	453.86	SS
PZ-100-SS	5/28/2014	486.15	32.36	453.79	SS
PZ-100-SS	9/22/2014	486.15	31.34	454.81	SS
PZ-100-SS	9/23/2014	486.15	31.39	454.76	SS
PZ-100-SS	11/18/2014	486.15	30.97	455.18	SS
PZ-100-SS	11/20/2014	486.15	30.95	455.20	SS
PZ-100-SS	2/02/2015	486.15	30.54	455.61	SS
PZ-100-SS	2/04/2015	486.15	30.49	455.66	SS
PZ-100-SS	5/12/2015	486.15	29.53	456.62	SS
PZ-100-SS	5/14/2015	486.15	29.60	456.55	SS
PZ-100-SS	8/18/2015	486.15	27.70	458.45	SS
PZ-100-SS	8/24/2015	486.15	27.90	458.25	SS
PZ-100-SS	11/16/2015	486.15	28.56	457.59	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-100-SS	11/17/2015	486.15	29.49	456.66	SS
PZ-100-SS	2/29/2016	486.15	28.52	457.63	SS
PZ-100-SS	3/10/2016	486.15	29.33	456.82	SS
PZ-100-SS	5/31/2016	486.15	29.31	456.84	SS
PZ-100-SS	6/10/2016	486.15	29.36	456.79	SS
PZ-100-SS	8/22/2016	486.15	29.14	457.01	SS
PZ-100-SS	9/07/2016	486.15	30.06	456.09	SS
PZ-100-SS	11/07/2016	486.15	29.89	456.26	SS
PZ-100-SS	11/10/2016	486.15	29.77	456.38	SS
PZ-100-SS	2/06/2017	486.15	29.94	456.21	SS
PZ-100-SS	2/08/2017	486.15	29.87	456.28	SS
PZ-100-SS	4/05/2017	486.15	34.91	451.24	SS
PZ-100-SS	5/01/2017	486.15	29.89	456.26	SS
PZ-100-SS	5/05/2017	486.15	29.32	456.83	SS
PZ-100-SS	8/28/2017	486.15	29.43	456.72	SS
PZ-100-SS	8/29/2017	486.15	29.24	456.91	SS
PZ-100-SS	11/02/2017	486.15	23.89	462.26	SS
PZ-100-SS	11/07/2017	486.15	29.37	456.78	SS
PZ-100-SS	11/27/2017	486.15	40.25	445.90	SS
PZ-100-SS	2/14/2018	486.15	24.90	461.25	SS
PZ-100-SS	2/22/2018	486.15	29.74	456.41	SS
PZ-100-SS	8/06/2018	486.15	24.35	461.80	SS
PZ-100-SS	11/13/2018	486.15	24.34	461.81	SS
PZ-101-SS	6/13/1996	476.28	99.21	377.07	SS
PZ-101-SS	7/12/1996	476.28	89.60	386.68	SS
PZ-101-SS	8/08/1996	476.28	89.03	387.25	SS
PZ-101-SS	9/06/1996	476.28	88.60	387.68	SS
PZ-101-SS	2/04/1997	476.28	72.38	403.90	SS
PZ-101-SS	5/09/1997	476.28	72.36	403.92	SS
PZ-101-SS	8/11/1997	476.28	87.77	388.51	SS
PZ-101-SS	11/06/1997	476.28	85.06	391.22	SS
PZ-101-SS	2/10/1998	476.28	79.88	396.40	SS
PZ-101-SS	5/26/1998	476.28	73.50	402.78	SS
PZ-101-SS	11/09/1998	476.28	76.33	399.95	SS
PZ-101-SS	5/14/1999	476.28	57.07	419.21	SS
PZ-101-SS	11/22/1999	476.28	67.46	408.82	SS
PZ-101-SS	5/22/2000	476.28	58.52	417.76	SS
PZ-101-SS	5/20/2002	476.28	39.32	436.96	SS
PZ-101-SS	5/27/2003	476.28	72.43	403.85	SS
PZ-101-SS	11/19/2003	476.28	51.94	424.34	SS
PZ-101-SS	5/10/2004	476.28	69.90	406.38	SS
PZ-101-SS	11/16/2004	476.28	65.07	411.21	SS
PZ-101-SS	5/23/2005	476.28	76.60	399.68	SS
PZ-101-SS	11/17/2005	476.28	51.94	424.34	SS
PZ-101-SS	5/31/2006	476.28	82.15	394.13	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-101-SS	11/30/2006	476.28	65.35	410.93	SS
PZ-101-SS	5/31/2007	476.28	87.79	388.49	SS
PZ-101-SS	11/06/2007	476.28	101.22	375.06	SS
PZ-101-SS	5/06/2008	476.28	81.85	394.43	SS
PZ-101-SS	11/03/2008	476.28	87.59	388.69	SS
PZ-101-SS	5/05/2009	476.28	87.44	388.84	SS
PZ-101-SS	11/02/2009	476.28	81.28	395.00	SS
PZ-101-SS	5/18/2010	476.28	98.09	378.19	SS
PZ-101-SS	11/09/2010	476.28	101.38	374.90	SS
PZ-101-SS	5/09/2011	476.28	85.15	391.13	SS
PZ-101-SS	11/16/2011	476.28	90.10	386.18	SS
PZ-101-SS	5/09/2012	491.16	75.89	415.27	SS
PZ-101-SS	7/30/2012	491.16	73.03	418.13	SS
PZ-101-SS	8/07/2012	491.16	70.50	420.66	SS
PZ-101-SS	11/26/2012	491.16	69.81	421.35	SS
PZ-101-SS	4/02/2013	491.16	53.45	437.71	SS
PZ-101-SS	4/12/2013	491.16	53.15	438.01	SS
PZ-101-SS	4/12/2013	491.16	51.76	439.40	SS
PZ-101-SS	7/08/2013	491.16	58.49	432.67	SS
PZ-101-SS	7/11/2013	491.16	57.95	433.21	SS
PZ-101-SS	9/30/2013	491.16	54.79	436.37	SS
PZ-101-SS	10/08/2013	491.16	51.09	440.07	SS
PZ-101-SS	5/27/2014	491.16	54.26	436.90	SS
PZ-101-SS	9/22/2014	491.16	50.26	440.90	SS
PZ-101-SS	11/18/2014	491.16	49.48	441.68	SS
PZ-101-SS	2/02/2015	491.16	46.50	444.66	SS
PZ-101-SS	5/12/2015	491.16	41.91	449.25	SS
PZ-101-SS	8/18/2015	491.16	36.64	454.52	SS
PZ-101-SS	11/16/2015	491.16	37.88	453.28	SS
PZ-101-SS	2/29/2016	491.16	36.50	454.66	SS
PZ-101-SS	3/04/2016	491.16	36.68	454.48	SS
PZ-101-SS	5/31/2016	491.16	37.06	454.10	SS
PZ-101-SS	6/07/2016	491.16	37.09	454.07	SS
PZ-101-SS	8/22/2016	491.16	37.68	453.48	SS
PZ-101-SS	8/25/2016	491.16	37.65	453.51	SS
PZ-101-SS	11/07/2016	491.16	39.19	451.97	SS
PZ-101-SS	11/15/2016	491.16	39.11	452.05	SS
PZ-101-SS	2/06/2017	491.16	39.10	452.06	SS
PZ-101-SS	2/15/2017	491.16	39.23	451.93	SS
PZ-101-SS	5/01/2017	491.16	38.54	452.62	SS
PZ-101-SS	5/09/2017	491.16	38.24	452.92	SS
PZ-101-SS	8/28/2017	491.16	38.19	452.97	SS
PZ-101-SS	11/02/2017	491.16	38.83	452.33	SS
PZ-101-SS	11/09/2017	491.16	39.18	451.98	SS
PZ-101-SS	2/14/2018	491.16	40.14	451.02	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-101-SS	8/06/2018	491.16	47.19	443.97	SS
PZ-101-SS	11/13/2018	491.16	47.30	443.86	SS
PZ-102R-SS	6/27/1995	485.18	82.49	402.69	SS
PZ-102R-SS	7/10/1995	485.18	67.27	417.91	SS
PZ-102R-SS	8/15/1995	485.18	66.25	418.93	SS
PZ-102R-SS	8/26/1995	485.18	60.71	424.47	SS
PZ-102R-SS	9/30/1995	485.18	62.78	422.40	SS
PZ-102R-SS	10/28/1995	485.18	63.59	421.59	SS
PZ-102R-SS	11/18/1995	485.18	63.95	421.23	SS
PZ-102R-SS	12/13/1995	485.18	64.80	420.38	SS
PZ-102R-SS	1/04/1996	485.18	64.99	420.19	SS
PZ-102R-SS	2/06/1996	485.18	66.09	419.09	SS
PZ-102R-SS	3/04/1996	485.18	66.33	418.85	SS
PZ-102R-SS	4/03/1996	485.18	66.67	418.51	SS
PZ-102R-SS	4/30/1996	485.18	67.26	417.92	SS
PZ-102R-SS	5/01/1996	485.18	67.28	417.90	SS
PZ-102R-SS	5/02/1996	485.18	67.36	417.82	SS
PZ-102R-SS	5/03/1996	485.18	67.34	417.84	SS
PZ-102R-SS	6/13/1996	485.18	66.00	419.18	SS
PZ-102R-SS	7/12/1996	485.18	64.98	420.20	SS
PZ-102R-SS	8/08/1996	485.18	64.32	420.86	SS
PZ-102R-SS	8/26/1996	485.18	78.38	406.80	SS
PZ-102R-SS	9/06/1996	485.18	65.54	419.64	SS
PZ-102R-SS	2/04/1997	485.18	61.38	423.80	SS
PZ-102R-SS	5/09/1997	485.18	61.12	424.06	SS
PZ-102R-SS	8/11/1997	485.18	81.96	403.22	SS
PZ-102R-SS	11/06/1997	485.18	84.51	400.67	SS
PZ-102R-SS	2/09/1998	485.18	56.53	428.65	SS
PZ-102R-SS	5/26/1998	485.18	56.73	428.45	SS
PZ-102R-SS	11/09/1998	485.18	55.49	429.69	SS
PZ-102R-SS	5/14/1999	485.18	49.78	435.40	SS
PZ-102R-SS	11/19/1999	485.18	50.11	435.07	SS
PZ-102R-SS	5/22/2000	485.18	48.28	436.90	SS
PZ-102R-SS	5/20/2002	485.18	37.23	447.95	SS
PZ-102R-SS	11/18/2002	485.18	37.46	447.72	SS
PZ-102R-SS	5/27/2003	485.18	24.09	461.09	SS
PZ-102R-SS	11/19/2003	485.18	33.47	451.71	SS
PZ-102R-SS	5/10/2004	485.18	40.27	444.91	SS
PZ-102R-SS	11/16/2004	485.18	36.38	448.80	SS
PZ-102R-SS	5/23/2005	485.18	40.90	444.28	SS
PZ-102R-SS	11/17/2005	485.18	34.58	450.60	SS
PZ-102R-SS	5/31/2006	485.18	43.66	441.52	SS
PZ-102R-SS	11/30/2006	485.18	47.00	438.18	SS
PZ-102R-SS	5/31/2007	485.18	46.47	438.71	SS
PZ-102R-SS	11/06/2007	485.18	47.73	437.45	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-102R-SS	5/06/2008	485.18	40.09	445.09	SS
PZ-102R-SS	11/03/2008	485.18	38.52	446.66	SS
PZ-102R-SS	5/05/2009	485.18	59.63	425.55	SS
PZ-102R-SS	11/02/2009	485.18	43.34	441.84	SS
PZ-102R-SS	5/18/2010	485.18	45.53	439.65	SS
PZ-102R-SS	11/09/2010	485.18	47.21	437.97	SS
PZ-102R-SS	5/09/2011	485.18	41.95	443.23	SS
PZ-102R-SS	11/16/2011	485.18	45.91	439.27	SS
PZ-102R-SS	5/09/2012	486.05	38.35	447.70	SS
PZ-102R-SS	7/30/2012	486.05	38.61	447.44	SS
PZ-102R-SS	8/13/2012	486.05	38.19	447.86	SS
PZ-102R-SS	11/26/2012	486.05	34.47	451.58	SS
PZ-102R-SS	4/02/2013	486.05	29.62	456.43	SS
PZ-102R-SS	4/04/2013	486.05	28.59	457.46	SS
PZ-102R-SS	4/12/2013	486.05	28.79	457.26	SS
PZ-102R-SS	7/08/2013	486.05	25.97	460.08	SS
PZ-102R-SS	7/19/2013	486.05	25.12	460.93	SS
PZ-102R-SS	9/30/2013	486.05	26.31	459.74	SS
PZ-102R-SS	10/08/2013	486.05	25.49	460.56	SS
PZ-102R-SS	5/27/2014	486.05	23.38	462.67	SS
PZ-102R-SS	9/22/2014	486.05	21.79	464.26	SS
PZ-102R-SS	11/18/2014	486.05	21.45	464.60	SS
PZ-102R-SS	2/02/2015	486.05	20.72	465.33	SS
PZ-102R-SS	5/12/2015	486.05	20.90	465.15	SS
PZ-102R-SS	8/18/2015	486.05	18.20	467.85	SS
PZ-102R-SS	11/16/2015	486.05	19.80	466.25	SS
PZ-102R-SS	2/29/2016	486.05	19.17	466.88	SS
PZ-102R-SS	3/04/2016	486.05	19.68	466.37	SS
PZ-102R-SS	5/31/2016	486.05	20.25	465.80	SS
PZ-102R-SS	6/07/2016	486.05	20.70	465.35	SS
PZ-102R-SS	8/22/2016	486.05	20.64	465.41	SS
PZ-102R-SS	8/25/2016	486.05	20.64	465.41	SS
PZ-102R-SS	11/07/2016	486.05	21.71	464.34	SS
PZ-102R-SS	11/15/2016	486.05	21.60	464.45	SS
PZ-102R-SS	2/06/2017	486.05	26.62	459.43	SS
PZ-102R-SS	2/15/2017	486.05	24.49	461.56	SS
PZ-102R-SS	5/01/2017	486.05	25.20	460.85	SS
PZ-102R-SS	5/09/2017	486.05	24.62	461.43	SS
PZ-102R-SS	8/28/2017	486.05	24.49	461.56	SS
PZ-102R-SS	11/02/2017	486.05	24.98	461.07	SS
PZ-102R-SS	2/14/2018	486.05	26.41	459.64	SS
PZ-102R-SS	8/06/2018	486.05	26.32	459.73	SS
PZ-102R-SS	11/13/2018	486.05	26.15	459.90	SS
PZ-102-SS	2/26/1995	483.45	31.48	451.97	SS
PZ-102-SS	2/28/1995	483.45	31.41	452.04	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-102-SS	3/01/1995	483.45	34.46	448.99	SS
PZ-102-SS	3/06/1995	483.45	31.41	452.04	SS
PZ-102-SS	3/25/1995	483.45	72.34	411.11	SS
PZ-102-SS	3/29/1995	483.45	74.26	409.19	SS
PZ-102-SS	4/09/1995	483.45	73.81	409.64	SS
PZ-102-SS	4/21/1995	483.45	73.66	409.79	SS
PZ-102-SS	5/05/1995	483.45	72.81	410.64	SS
PZ-102-SS	5/17/1995	483.45	76.68	406.77	SS
PZ-102-SS	5/23/1995	483.45	86.57	396.88	SS
PZ-102-SS	5/24/1995	483.45	87.19	396.26	SS
PZ-102-SS	5/30/1995	483.45	81.03	402.42	SS
PZ-102-SS	6/01/1995	483.45	86.81	396.64	SS
PZ-102-SS	6/07/1995	483.45	84.80	398.65	SS
PZ-102-SS	6/27/1995	483.45	70.31	413.14	SS
PZ-102-SS	7/10/1995	483.45	67.35	416.10	SS
PZ-102-SS	12/13/1995	483.45	78.10	405.35	SS
PZ-102-SS	1/04/1996	483.45	78.20	405.25	SS
PZ-102-SS	2/06/1996	483.45	79.15	404.30	SS
PZ-102-SS	3/04/1996	483.45	79.24	404.21	SS
PZ-102-SS	4/03/1996	483.45	79.32	404.13	SS
PZ-102-SS	4/30/1996	483.45	79.70	403.75	SS
PZ-102-SS	5/01/1996	483.45	79.81	403.64	SS
PZ-102-SS	5/02/1996	483.45	79.90	403.55	SS
PZ-102-SS	5/03/1996	483.45	79.94	403.51	SS
PZ-102-SS	6/13/1996	483.45	78.92	404.53	SS
PZ-102-SS	7/12/1996	483.45	78.94	404.51	SS
PZ-102-SS	8/08/1996	483.45	78.85	404.60	SS
PZ-102-SS	9/06/1996	483.45	79.17	404.28	SS
PZ-102-SS	2/04/1997	483.45	71.30	412.15	SS
PZ-102-SS	5/09/1997	483.45	71.09	412.36	SS
PZ-102-SS	8/11/1997	483.45	76.60	406.85	SS
PZ-102-SS	11/06/1997	483.45	72.60	410.85	SS
PZ-102-SS	2/10/1998	483.45	62.62	420.83	SS
PZ-102-SS	5/26/1998	483.45	71.87	411.58	SS
PZ-102-SS	11/09/1998	483.45	66.09	417.36	SS
PZ-102-SS	5/14/1999	483.45	54.06	429.39	SS
PZ-102-SS	11/19/1999	483.45	59.64	423.81	SS
PZ-102-SS	5/22/2000	483.45	56.50	426.95	SS
PZ-102-SS	5/20/2002	483.45	50.83	432.62	SS
PZ-102-SS	11/18/2002	483.45	49.77	433.68	SS
PZ-102-SS	5/27/2003	483.45	56.14	427.31	SS
PZ-102-SS	11/19/2003	483.45	38.19	445.26	SS
PZ-102-SS	5/10/2004	483.45	48.30	435.15	SS
PZ-102-SS	11/16/2004	483.45	46.00	437.45	SS
PZ-102-SS	5/23/2005	483.45	48.45	435.00	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-102-SS	11/17/2005	483.45	36.29	447.16	SS
PZ-102-SS	5/31/2006	483.45	53.42	430.03	SS
PZ-102-SS	11/30/2006	483.45	43.70	439.75	SS
PZ-102-SS	5/31/2007	483.45	52.30	431.15	SS
PZ-102-SS	11/06/2007	483.45	58.45	425.00	SS
PZ-102-SS	5/06/2008	483.45	47.37	436.08	SS
PZ-102-SS	11/03/2008	483.45	51.46	431.99	SS
PZ-102-SS	5/05/2009	483.45	44.73	438.72	SS
PZ-102-SS	11/02/2009	483.45	74.25	409.20	SS
PZ-102-SS	5/18/2010	483.45	73.14	410.31	SS
PZ-102-SS	11/09/2010	483.45	69.82	413.63	SS
PZ-102-SS	5/09/2011	483.45	51.75	431.70	SS
PZ-102-SS	11/16/2011	483.45	65.29	418.16	SS
PZ-102-SS	5/09/2012	484.25	36.70	447.55	SS
PZ-102-SS	7/30/2012	484.25	45.55	438.70	SS
PZ-102-SS	8/13/2012	484.25	45.01	439.24	SS
PZ-102-SS	11/26/2012	484.25	36.28	447.97	SS
PZ-102-SS	4/02/2013	484.25	28.42	455.83	SS
PZ-102-SS	4/11/2013	484.25	27.54	456.71	SS
PZ-102-SS	4/12/2013	484.25	27.67	456.58	SS
PZ-102-SS	7/08/2013	484.25	26.38	457.87	SS
PZ-102-SS	7/19/2013	484.25	25.50	458.75	SS
PZ-102-SS	9/30/2013	484.25	25.52	458.73	SS
PZ-102-SS	10/01/2013	484.25	24.78	459.47	SS
PZ-102-SS	5/27/2014	484.25	23.49	460.76	SS
PZ-102-SS	9/22/2014	484.25	21.88	462.37	SS
PZ-102-SS	11/18/2014	484.25	21.57	462.68	SS
PZ-102-SS	2/02/2015	484.25	21.22	463.03	SS
PZ-102-SS	5/12/2015	484.25	20.64	463.61	SS
PZ-102-SS	8/18/2015	484.25	18.43	465.82	SS
PZ-102-SS	11/16/2015	484.25	19.88	464.37	SS
PZ-102-SS	2/29/2016	484.25	20.09	464.16	SS
PZ-102-SS	5/31/2016	484.25	21.19	463.06	SS
PZ-102-SS	8/22/2016	484.25	20.82	463.43	SS
PZ-102-SS	11/07/2016	484.25	22.00	462.25	SS
PZ-102-SS	2/06/2017	484.25	22.62	461.63	SS
PZ-102-SS	2/17/2017	484.25	22.37	461.88	SS
PZ-102-SS	5/01/2017	484.25	21.45	462.80	SS
PZ-102-SS	5/15/2017	484.25	20.85	463.40	SS
PZ-102-SS	8/28/2017	484.25	21.55	462.70	SS
PZ-102-SS	11/02/2017	484.25	22.19	462.06	SS
PZ-102-SS	11/09/2017	484.25	22.34	461.91	SS
PZ-102-SS	2/14/2018	484.25	23.10	461.15	SS
PZ-102-SS	8/06/2018	484.25	22.98	461.27	SS
PZ-102-SS	11/13/2018	484.25	22.38	461.87	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-103-SS	1/04/1996	479.77	118.70	361.07	SS
PZ-103-SS	2/06/1996	479.77	117.87	361.90	SS
PZ-103-SS	3/04/1996	479.77	118.16	361.61	SS
PZ-103-SS	4/03/1996	479.77	117.32	362.45	SS
PZ-103-SS	4/30/1996	479.77	116.04	363.73	SS
PZ-103-SS	5/01/1996	479.77	116.11	363.66	SS
PZ-103-SS	5/02/1996	479.77	116.30	363.47	SS
PZ-103-SS	5/03/1996	479.77	116.46	363.31	SS
PZ-103-SS	6/13/1996	479.77	115.73	364.04	SS
PZ-103-SS	7/12/1996	479.77	116.75	363.02	SS
PZ-103-SS	8/08/1996	479.77	116.60	363.17	SS
PZ-103-SS	9/06/1996	479.77	116.68	363.09	SS
PZ-103-SS	2/04/1997	479.77	108.38	371.39	SS
PZ-103-SS	5/09/1997	479.77	104.78	374.99	SS
PZ-103-SS	8/11/1997	479.77	107.56	372.21	SS
PZ-103-SS	11/06/1997	479.77	100.52	379.25	SS
PZ-103-SS	2/10/1998	479.77	86.62	393.15	SS
PZ-103-SS	5/26/1998	479.77	92.78	386.99	SS
PZ-103-SS	11/09/1998	479.77	86.68	393.09	SS
PZ-103-SS	5/14/1999	479.77	50.12	429.65	SS
PZ-103-SS	11/19/1999	479.77	79.13	400.64	SS
PZ-103-SS	5/22/2000	479.77	63.40	416.37	SS
PZ-103-SS	5/20/2002	479.77	42.89	436.88	SS
PZ-103-SS	11/18/2002	479.77	52.51	427.26	SS
PZ-103-SS	5/27/2003	479.77	73.25	406.52	SS
PZ-103-SS	11/19/2003	479.77	37.06	442.71	SS
PZ-103-SS	5/10/2004	479.77	59.45	420.32	SS
PZ-103-SS	11/16/2004	479.77	47.11	432.66	SS
PZ-103-SS	5/23/2005	479.77	54.95	424.82	SS
PZ-103-SS	11/17/2005	479.77	30.80	448.97	SS
PZ-103-SS	5/31/2006	479.77	56.80	422.97	SS
PZ-103-SS	11/30/2006	479.77	43.54	436.23	SS
PZ-103-SS	5/31/2007	479.77	56.55	423.22	SS
PZ-103-SS	11/06/2007	479.77	70.82	408.95	SS
PZ-103-SS	5/06/2008	479.77	49.34	430.43	SS
PZ-103-SS	11/03/2008	479.77	59.50	420.27	SS
PZ-103-SS	5/05/2009	479.77	68.19	411.58	SS
PZ-103-SS	11/02/2009	479.77	77.99	401.78	SS
PZ-103-SS	5/18/2010	479.77	78.36	401.41	SS
PZ-103-SS	11/09/2010	479.77	78.38	401.39	SS
PZ-103-SS	5/09/2011	479.77	63.38	416.39	SS
PZ-103-SS	11/16/2011	479.77	64.90	414.87	SS
PZ-103-SS	5/09/2012	483.80	33.97	449.83	SS
PZ-103-SS	7/30/2012	483.80	43.38	440.42	SS
PZ-103-SS	8/07/2012	483.80	45.11	438.69	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-103-SS	11/26/2012	483.80	27.29	456.51	SS
PZ-103-SS	4/02/2013	483.80	10.22	473.58	SS
PZ-103-SS	4/08/2013	483.80	0.41	483.39	SS
PZ-103-SS	4/12/2013	483.80	9.57	474.23	SS
PZ-103-SS	7/08/2013	483.80	7.37	476.43	SS
PZ-103-SS	7/19/2013	483.80	6.28	477.52	SS
PZ-103-SS	9/30/2013	483.80	9.28	474.52	SS
PZ-103-SS	10/04/2013	483.80	8.64	475.16	SS
PZ-103-SS	5/27/2014	483.80	6.07	477.73	SS
PZ-103-SS	9/22/2014	483.80	9.38	474.42	SS
PZ-103-SS	11/18/2014	483.80	10.59	473.21	SS
PZ-103-SS	2/02/2015	483.80	10.63	473.17	SS
PZ-103-SS	5/12/2015	483.80	10.80	473.00	SS
PZ-103-SS	8/17/2015	483.80	9.48	474.32	SS
PZ-103-SS	8/21/2015	483.80	9.52	474.28	SS
PZ-103-SS	11/16/2015	483.80	11.57	472.23	SS
PZ-103-SS	11/23/2015	483.80	11.66	472.14	SS
PZ-103-SS	2/29/2016	483.80	11.45	472.35	SS
PZ-103-SS	3/08/2016	483.80	11.67	472.13	SS
PZ-103-SS	5/31/2016	483.80	11.52	472.28	SS
PZ-103-SS	6/09/2016	483.80	11.93	471.87	SS
PZ-103-SS	8/22/2016	483.80	13.71	470.09	SS
PZ-103-SS	8/29/2016	483.80	14.13	469.67	SS
PZ-103-SS	11/07/2016	483.80	15.96	467.84	SS
PZ-103-SS	11/16/2016	483.80	15.57	468.23	SS
PZ-103-SS	2/06/2017	483.80	16.79	467.01	SS
PZ-103-SS	2/16/2017	483.80	16.65	467.15	SS
PZ-103-SS	5/01/2017	483.80	15.33	468.47	SS
PZ-103-SS	5/09/2017	483.80	14.55	469.25	SS
PZ-103-SS	8/28/2017	483.80	15.34	468.46	SS
PZ-103-SS	11/02/2017	483.80	16.15	467.65	SS
PZ-103-SS	11/09/2017	483.80	16.54	467.26	SS
PZ-103-SS	2/14/2018	483.80	18.49	465.31	SS
PZ-103-SS	8/06/2018	483.80	20.49	463.31	SS
PZ-103-SS	11/13/2018	483.80	20.41	463.39	SS
PZ-104-SS	6/26/1995	483.23	137.02	346.21	SS
PZ-104-SS	6/27/1995	483.23	142.96	340.27	SS
PZ-104-SS	7/06/1995	483.23	124.89	358.34	SS
PZ-104-SS	7/10/1995	483.23	137.85	345.38	SS
PZ-104-SS	7/14/1995	483.23	128.67	354.56	SS
PZ-104-SS	7/26/1995	483.23	123.59	359.64	SS
PZ-104-SS	8/15/1995	483.23	117.66	365.57	SS
PZ-104-SS	8/26/1995	483.23	117.41	365.82	SS
PZ-104-SS	9/30/1995	483.23	122.62	360.61	SS
PZ-104-SS	10/28/1995	483.23	123.29	359.94	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-104-SS	11/18/1995	483.23	123.22	360.01	SS
PZ-104-SS	12/13/1995	483.23	123.08	360.15	SS
PZ-104-SS	12/20/1995	483.23	123.00	360.23	SS
PZ-104-SS	12/24/1995	483.23	122.33	360.90	SS
PZ-104-SS	12/26/1995	483.23	122.23	361.00	SS
PZ-104-SS	12/31/1995	483.23	122.19	361.04	SS
PZ-104-SS	1/04/1996	483.23	122.10	361.13	SS
PZ-104-SS	2/06/1996	483.23	118.32	364.91	SS
PZ-104-SS	3/05/1996	483.23	120.71	362.52	SS
PZ-104-SS	4/02/1996	483.23	120.64	362.59	SS
PZ-104-SS	4/30/1996	483.23	108.28	374.95	SS
PZ-104-SS	5/01/1996	483.23	106.45	376.78	SS
PZ-104-SS	5/02/1996	483.23	106.42	376.81	SS
PZ-104-SS	5/03/1996	483.23	107.19	376.04	SS
PZ-104-SS	6/13/1996	483.23	107.33	375.90	SS
PZ-104-SS	7/12/1996	483.23	112.53	370.70	SS
PZ-104-SS	8/08/1996	483.23	114.94	368.29	SS
PZ-104-SS	9/06/1996	483.23	116.88	366.35	SS
PZ-104-SS	2/04/1997	483.23	102.04	381.19	SS
PZ-104-SS	5/09/1997	483.23	105.52	377.71	SS
PZ-104-SS	8/11/1997	483.23	92.49	390.74	SS
PZ-104-SS	8/25/1997	483.23	97.74	385.49	SS
PZ-104-SS	8/28/1997	483.23	101.59	381.64	SS
PZ-104-SS	11/06/1997	483.23	87.69	395.54	SS
PZ-104-SS	11/20/1997	483.23	88.03	395.20	SS
PZ-104-SS	2/09/1998	483.23	80.60	402.63	SS
PZ-104-SS	5/26/1998	483.23	80.33	402.90	SS
PZ-104-SS	11/09/1998	483.23	76.89	406.34	SS
PZ-104-SS	5/14/1999	483.23	50.01	433.22	SS
PZ-104-SS	11/18/1999	483.23	64.02	419.21	SS
PZ-104-SS	5/22/2000	483.23	71.85	411.38	SS
PZ-104-SS	5/23/2000	483.23	71.59	411.64	SS
PZ-104-SS	11/13/2000	483.23	59.12	424.11	SS
PZ-104-SS	5/15/2001	483.23	60.22	423.01	SS
PZ-104-SS	5/15/2001	483.23	60.22	423.01	SS
PZ-104-SS	5/22/2001	483.23	39.75	443.48	SS
PZ-104-SS	11/07/2001	483.23	49.70	433.53	SS
PZ-104-SS	11/07/2001	483.23	49.70	433.53	SS
PZ-104-SS	5/20/2002	483.23	39.89	443.34	SS
PZ-104-SS	11/18/2002	483.23	44.63	438.60	SS
PZ-104-SS	11/19/2002	483.23	44.95	438.28	SS
PZ-104-SS	5/27/2003	483.23	59.24	423.99	SS
PZ-104-SS	5/28/2003	483.23	58.12	425.11	SS
PZ-104-SS	11/19/2003	483.23	34.10	449.13	SS
PZ-104-SS	11/21/2003	483.23	34.33	448.90	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-104-SS	5/10/2004	483.23	36.14	447.09	SS
PZ-104-SS	5/12/2004	483.23	36.14	447.09	SS
PZ-104-SS	11/16/2004	483.23	33.12	450.11	SS
PZ-104-SS	11/19/2004	483.23	33.74	449.49	SS
PZ-104-SS	5/23/2005	483.23	35.15	448.08	SS
PZ-104-SS	5/24/2005	483.23	35.19	448.04	SS
PZ-104-SS	11/17/2005	483.23	34.45	448.78	SS
PZ-104-SS	11/29/2005	483.23	34.30	448.93	SS
PZ-104-SS	5/25/2006	483.23	69.60	413.63	SS
PZ-104-SS	5/31/2006	483.23	69.66	413.57	SS
PZ-104-SS	11/21/2006	483.23	54.32	428.91	SS
PZ-104-SS	11/30/2006	483.23	48.62	434.61	SS
PZ-104-SS	5/18/2007	483.23	68.50	414.73	SS
PZ-104-SS	5/31/2007	483.23	68.56	414.67	SS
PZ-104-SS	11/06/2007	483.23	68.59	414.64	SS
PZ-104-SS	11/07/2007	483.23	68.75	414.48	SS
PZ-104-SS	5/06/2008	483.23	63.22	420.01	SS
PZ-104-SS	5/07/2008	483.23	63.45	419.78	SS
PZ-104-SS	11/03/2008	483.23	56.23	427.00	SS
PZ-104-SS	11/04/2008	483.23	56.89	426.34	SS
PZ-104-SS	5/05/2009	483.23	64.04	419.19	SS
PZ-104-SS	5/08/2009	483.23	63.85	419.38	SS
PZ-104-SS	11/02/2009	483.23	58.23	425.00	SS
PZ-104-SS	11/04/2009	483.23	58.11	425.12	SS
PZ-104-SS	5/18/2010	483.23	59.50	423.73	SS
PZ-104-SS	5/20/2010	483.23	59.28	423.95	SS
PZ-104-SS	11/09/2010	483.23	54.34	428.89	SS
PZ-104-SS	11/10/2010	483.23	53.84	429.39	SS
PZ-104-SS	5/09/2011	483.23	35.66	447.57	SS
PZ-104-SS	5/09/2011	483.23	35.66	447.57	SS
PZ-104-SS	11/16/2011	483.23	32.80	450.43	SS
PZ-104-SS	11/17/2011	483.23	32.55	450.68	SS
PZ-104-SS	5/09/2012	483.60	25.07	458.53	SS
PZ-104-SS	5/11/2012	483.60	24.82	458.78	SS
PZ-104-SS	7/30/2012	483.60	24.03	459.57	SS
PZ-104-SS	8/01/2012	483.60	24.01	459.59	SS
PZ-104-SS	11/26/2012	483.60	23.05	460.55	SS
PZ-104-SS	11/27/2012	483.60	23.19	460.41	SS
PZ-104-SS	12/21/2012	483.60	23.32	460.28	SS
PZ-104-SS	4/02/2013	483.60	21.80	461.80	SS
PZ-104-SS	4/11/2013	483.60	20.93	462.67	SS
PZ-104-SS	4/12/2013	483.60	21.25	462.35	SS
PZ-104-SS	7/08/2013	483.60	20.66	462.94	SS
PZ-104-SS	7/11/2013	483.60	19.98	463.62	SS
PZ-104-SS	9/30/2013	483.60	20.11	463.49	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-104-SS	10/09/2013	483.60	20.00	463.60	SS
PZ-104-SS	5/27/2014	483.60	9.52	474.08	SS
PZ-104-SS	5/28/2014	483.60	19.44	464.16	SS
PZ-104-SS	9/22/2014	483.60	20.32	463.28	SS
PZ-104-SS	9/24/2014	483.60	20.43	463.17	SS
PZ-104-SS	11/18/2014	483.60	20.44	463.16	SS
PZ-104-SS	11/20/2014	483.60	20.51	463.09	SS
PZ-104-SS	2/02/2015	483.60	20.01	463.59	SS
PZ-104-SS	2/03/2015	483.60	20.06	463.54	SS
PZ-104-SS	5/12/2015	483.60	19.58	464.02	SS
PZ-104-SS	5/14/2015	483.60	19.56	464.04	SS
PZ-104-SS	8/17/2015	483.60	18.51	465.09	SS
PZ-104-SS	8/20/2015	483.60	18.63	464.97	SS
PZ-104-SS	8/25/2015	483.60	30.85	452.75	SS
PZ-104-SS	11/16/2015	483.60	20.33	463.27	SS
PZ-104-SS	11/18/2015	483.60	20.49	463.11	SS
PZ-104-SS	2/29/2016	483.60	19.65	463.95	SS
PZ-104-SS	3/01/2016	483.60	19.69	463.91	SS
PZ-104-SS	5/31/2016	483.60	19.10	464.50	SS
PZ-104-SS	6/03/2016	483.60	19.15	464.45	SS
PZ-104-SS	8/22/2016	483.60	19.49	464.11	SS
PZ-104-SS	8/24/2016	483.60	19.48	464.12	SS
PZ-104-SS	11/07/2016	483.60	19.94	463.66	SS
PZ-104-SS	11/10/2016	483.60	19.84	463.76	SS
PZ-104-SS	2/06/2017	483.60	20.33	463.27	SS
PZ-104-SS	2/09/2017	483.60	20.30	463.30	SS
PZ-104-SS	5/01/2017	483.60	19.49	464.11	SS
PZ-104-SS	5/08/2017	483.60	19.09	464.51	SS
PZ-104-SS	8/28/2017	483.60	20.19	463.41	SS
PZ-104-SS	8/30/2017	483.60	20.24	463.36	SS
PZ-104-SS	11/02/2017	483.60	17.83	465.77	SS
PZ-104-SS	11/13/2017	483.60	20.49	463.11	SS
PZ-104-SS	2/14/2018	483.60	18.79	464.81	SS
PZ-104-SS	2/26/2018	483.60	21.26	462.34	SS
PZ-104-SS	8/06/2018	483.60	18.10	465.50	SS
PZ-104-SS	11/13/2018	483.60	17.61	465.99	SS
PZ-105-SS	5/25/1995	483.21	87.67	395.54	SS
PZ-105-SS	6/07/1995	483.21	116.39	366.82	SS
PZ-105-SS	6/13/1995	483.21	118.94	364.27	SS
PZ-105-SS	6/16/1995	483.21	145.40	337.81	SS
PZ-105-SS	6/23/1995	483.21	148.48	334.73	SS
PZ-105-SS	6/26/1995	483.21	147.79	335.42	SS
PZ-105-SS	6/27/1995	483.21	147.35	335.86	SS
PZ-105-SS	7/05/1995	483.21	144.36	338.85	SS
PZ-105-SS	7/10/1995	483.21	147.20	336.01	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-105-SS	7/26/1995	483.21	143.78	339.43	SS
PZ-105-SS	8/15/1995	483.21	140.95	342.26	SS
PZ-105-SS	8/26/1995	483.21	131.16	352.05	SS
PZ-105-SS	9/30/1995	483.21	136.81	346.40	SS
PZ-105-SS	10/28/1995	483.21	140.38	342.83	SS
PZ-105-SS	11/18/1995	483.21	140.85	342.36	SS
PZ-105-SS	12/13/1995	483.21	141.08	342.13	SS
PZ-105-SS	1/04/1996	483.21	140.40	342.81	SS
PZ-105-SS	2/06/1996	483.21	126.09	357.12	SS
PZ-105-SS	3/05/1996	483.21	133.15	350.06	SS
PZ-105-SS	4/02/1996	483.21	127.39	355.82	SS
PZ-105-SS	4/30/1996	483.21	105.40	377.81	SS
PZ-105-SS	5/01/1996	483.21	105.53	377.68	SS
PZ-105-SS	5/02/1996	483.21	106.09	377.12	SS
PZ-105-SS	5/03/1996	483.21	106.78	376.43	SS
PZ-105-SS	6/13/1996	483.21	107.02	376.19	SS
PZ-105-SS	7/12/1996	483.21	113.00	370.21	SS
PZ-105-SS	8/08/1996	483.21	115.83	367.38	SS
PZ-105-SS	9/06/1996	483.21	118.35	364.86	SS
PZ-105-SS	2/04/1997	483.21	100.46	382.75	SS
PZ-105-SS	5/09/1997	483.21	104.40	378.81	SS
PZ-105-SS	8/11/1997	483.21	90.02	393.19	SS
PZ-105-SS	8/25/1997	483.21	95.50	387.71	SS
PZ-105-SS	11/06/1997	483.21	85.16	398.05	SS
PZ-105-SS	11/19/1997	483.21	87.45	395.76	SS
PZ-105-SS	2/09/1998	483.21	82.23	400.98	SS
PZ-105-SS	2/16/1998	483.21	82.20	401.01	SS
PZ-105-SS	5/26/1998	483.21	79.36	403.85	SS
PZ-105-SS	11/09/1998	483.21	78.34	404.87	SS
PZ-105-SS	5/14/1999	483.21	59.56	423.65	SS
PZ-105-SS	11/19/1999	483.21	66.02	417.19	SS
PZ-105-SS	5/22/2000	483.21	72.69	410.52	SS
PZ-105-SS	5/23/2000	483.21	72.23	410.98	SS
PZ-105-SS	11/13/2000	483.21	54.25	428.96	SS
PZ-105-SS	5/15/2001	483.21	60.88	422.33	SS
PZ-105-SS	5/15/2001	483.21	60.88	422.33	SS
PZ-105-SS	11/07/2001	483.21	48.20	435.01	SS
PZ-105-SS	11/07/2001	483.21	48.20	435.01	SS
PZ-105-SS	5/20/2002	483.21	38.29	444.92	SS
PZ-105-SS	5/22/2002	483.21	30.01	453.20	SS
PZ-105-SS	11/18/2002	483.21	45.88	437.33	SS
PZ-105-SS	11/19/2002	483.21	46.67	436.54	SS
PZ-105-SS	5/27/2003	483.21	59.91	423.30	SS
PZ-105-SS	5/28/2003	483.21	59.91	423.30	SS
PZ-105-SS	11/19/2003	483.21	34.78	448.43	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-105-SS	11/21/2003	483.21	35.31	447.90	SS
PZ-105-SS	5/10/2004	483.21	36.30	446.91	SS
PZ-105-SS	5/11/2004	483.21	37.29	445.92	SS
PZ-105-SS	11/16/2004	483.21	34.00	449.21	SS
PZ-105-SS	11/18/2004	483.21	33.98	449.23	SS
PZ-105-SS	5/23/2005	483.21	36.90	446.31	SS
PZ-105-SS	5/24/2005	483.21	37.95	445.26	SS
PZ-105-SS	11/17/2005	483.21	33.50	449.71	SS
PZ-105-SS	11/29/2005	483.21	33.43	449.78	SS
PZ-105-SS	5/30/2006	483.21	50.60	432.61	SS
PZ-105-SS	5/31/2006	483.21	49.74	433.47	SS
PZ-105-SS	11/10/2006	483.21	47.80	435.41	SS
PZ-105-SS	11/30/2006	483.21	46.70	436.51	SS
PZ-105-SS	5/23/2007	483.21	46.75	436.46	SS
PZ-105-SS	5/31/2007	483.21	47.31	435.90	SS
PZ-105-SS	11/06/2007	483.21	53.52	429.69	SS
PZ-105-SS	11/07/2007	483.21	53.70	429.51	SS
PZ-105-SS	5/06/2008	483.21	44.32	438.89	SS
PZ-105-SS	5/08/2008	483.21	44.30	438.91	SS
PZ-105-SS	11/03/2008	483.21	41.09	442.12	SS
PZ-105-SS	11/05/2008	483.21	41.35	441.86	SS
PZ-105-SS	5/05/2009	483.21	44.35	438.86	SS
PZ-105-SS	5/08/2009	483.21	44.30	438.91	SS
PZ-105-SS	11/02/2009	483.21	41.92	441.29	SS
PZ-105-SS	11/04/2009	483.21	42.48	440.73	SS
PZ-105-SS	5/18/2010	483.21	43.31	439.90	SS
PZ-105-SS	5/20/2010	483.21	43.39	439.82	SS
PZ-105-SS	11/09/2010	483.21	45.99	437.22	SS
PZ-105-SS	11/10/2010	483.21	45.96	437.25	SS
PZ-105-SS	5/09/2011	483.21	33.94	449.27	SS
PZ-105-SS	5/09/2011	483.21	33.94	449.27	SS
PZ-105-SS	11/16/2011	483.21	32.82	450.39	SS
PZ-105-SS	11/17/2011	483.21	32.81	450.40	SS
PZ-105-SS	5/09/2012	483.64	27.53	456.11	SS
PZ-105-SS	5/11/2012	483.64	27.15	456.49	SS
PZ-105-SS	7/30/2012	483.64	28.27	455.37	SS
PZ-105-SS	8/01/2012	483.64	29.38	454.26	SS
PZ-105-SS	11/26/2012	483.64	27.52	456.12	SS
PZ-105-SS	11/27/2012	483.64	27.76	455.88	SS
PZ-105-SS	4/02/2013	483.64	24.72	458.92	SS
PZ-105-SS	4/04/2013	483.64	24.13	459.51	SS
PZ-105-SS	4/12/2013	483.64	24.19	459.45	SS
PZ-105-SS	7/08/2013	483.64	24.77	458.87	SS
PZ-105-SS	7/12/2013	483.64	24.31	459.33	SS
PZ-105-SS	9/30/2013	483.64	25.22	458.42	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-105-SS	10/09/2013	483.64	24.92	458.72	SS
PZ-105-SS	5/27/2014	483.64	24.91	458.73	SS
PZ-105-SS	5/28/2014	483.64	24.91	458.73	SS
PZ-105-SS	9/22/2014	483.64	25.96	457.68	SS
PZ-105-SS	9/24/2014	483.64	25.97	457.67	SS
PZ-105-SS	11/18/2014	483.64	25.67	457.97	SS
PZ-105-SS	11/19/2014	483.64	25.50	458.14	SS
PZ-105-SS	2/02/2015	483.64	24.70	458.94	SS
PZ-105-SS	2/04/2015	483.64	24.64	459.00	SS
PZ-105-SS	5/12/2015	483.64	23.84	459.80	SS
PZ-105-SS	5/13/2015	483.64	23.96	459.68	SS
PZ-105-SS	8/17/2015	483.64	25.44	458.20	SS
PZ-105-SS	8/20/2015	483.64	25.45	458.19	SS
PZ-105-SS	8/25/2015	483.64	25.40	458.24	SS
PZ-105-SS	11/16/2015	483.64	25.15	458.49	SS
PZ-105-SS	11/19/2015	483.64	24.87	458.77	SS
PZ-105-SS	2/29/2016	483.64	24.36	459.28	SS
PZ-105-SS	3/01/2016	483.64	24.32	459.32	SS
PZ-105-SS	5/31/2016	483.64	23.81	459.83	SS
PZ-105-SS	6/03/2016	483.64	23.92	459.72	SS
PZ-105-SS	8/22/2016	483.64	23.84	459.80	SS
PZ-105-SS	8/23/2016	483.64	23.84	459.80	SS
PZ-105-SS	11/07/2016	483.64	23.33	460.31	SS
PZ-105-SS	11/09/2016	483.64	23.35	460.29	SS
PZ-105-SS	2/06/2017	483.64	23.79	459.85	SS
PZ-105-SS	2/09/2017	483.64	24.21	459.43	SS
PZ-105-SS	5/01/2017	483.64	22.45	461.19	SS
PZ-105-SS	5/05/2017	483.64	22.16	461.48	SS
PZ-105-SS	8/28/2017	483.64	23.39	460.25	SS
PZ-105-SS	8/29/2017	483.64	23.32	460.32	SS
PZ-105-SS	11/02/2017	483.64	23.49	460.15	SS
PZ-105-SS	11/13/2017	483.64	23.85	459.79	SS
PZ-105-SS	2/14/2018	483.64	24.14	459.50	SS
PZ-105-SS	2/21/2018	483.64	24.04	459.60	SS
PZ-105-SS	8/06/2018	483.64	23.75	459.89	SS
PZ-105-SS	11/13/2018	483.64	23.42	460.22	SS
PZ-106-SS	5/01/1996	462.30	89.73	372.57	SS
PZ-106-SS	5/02/1996	462.30	90.68	371.62	SS
PZ-106-SS	5/03/1996	462.30	91.14	371.16	SS
PZ-106-SS	6/13/1996	462.30	87.69	374.61	SS
PZ-106-SS	7/12/1996	462.30	94.24	368.06	SS
PZ-106-SS	8/08/1996	462.30	93.65	368.65	SS
PZ-106-SS	9/06/1996	462.30	92.87	369.43	SS
PZ-106-SS	2/04/1997	462.30	84.68	377.62	SS
PZ-106-SS	5/09/1997	462.30	83.51	378.79	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-106-SS	8/11/1997	462.30	76.64	385.66	SS
PZ-106-SS	11/06/1997	462.30	73.06	389.24	SS
PZ-106-SS	2/09/1998	462.30	68.52	393.78	SS
PZ-106-SS	5/26/1998	462.30	64.59	397.71	SS
PZ-106-SS	11/09/1998	462.30	64.12	398.18	SS
PZ-106-SS	5/14/1999	462.30	44.66	417.64	SS
PZ-106-SS	5/22/2000	462.30	56.67	405.63	SS
PZ-106-SS	5/16/2001	462.30	49.56	412.74	SS
PZ-106-SS	11/07/2001	462.30	34.69	427.61	SS
PZ-106-SS	5/20/2002	462.30	28.64	433.66	SS
PZ-106-SS	11/18/2002	462.30	37.32	424.98	SS
PZ-106-SS	5/27/2003	462.30	51.03	411.27	SS
PZ-106-SS	11/19/2003	462.30	24.10	438.20	SS
PZ-106-SS	5/10/2004	462.30	47.27	415.03	SS
PZ-106-SS	11/16/2004	462.30	23.42	438.88	SS
PZ-106-SS	5/23/2005	462.30	30.85	431.45	SS
PZ-106-SS	11/17/2005	462.30	20.54	441.76	SS
PZ-106-SS	5/31/2006	462.30	41.47	420.83	SS
PZ-106-SS	11/30/2006	462.30	34.90	427.40	SS
PZ-106-SS	5/31/2007	462.30	40.42	421.88	SS
PZ-106-SS	11/06/2007	462.30	45.50	416.80	SS
PZ-106-SS	5/06/2008	462.30	36.55	425.75	SS
PZ-106-SS	11/03/2008	462.30	34.60	427.70	SS
PZ-106-SS	5/05/2009	462.30	40.49	421.81	SS
PZ-106-SS	11/02/2009	462.30	39.18	423.12	SS
PZ-106-SS	5/18/2010	462.30	42.59	419.71	SS
PZ-106-SS	11/09/2010	462.30	40.99	421.31	SS
PZ-106-SS	5/09/2011	462.30	27.36	434.94	SS
PZ-106-SS	11/16/2011	462.30	26.97	435.33	SS
PZ-106-SS	5/09/2012	462.70	16.27	446.43	SS
PZ-106-SS	7/30/2012	462.70	17.32	445.38	SS
PZ-106-SS	11/26/2012	462.70	16.72	445.98	SS
PZ-106-SS	4/02/2013	462.70	13.97	448.73	SS
PZ-106-SS	4/12/2013	462.70	13.57	449.13	SS
PZ-106-SS	7/08/2013	462.70	12.87	449.83	SS
PZ-106-SS	9/30/2013	462.70	11.79	450.91	SS
PZ-106-SS	5/27/2014	462.70	10.58	452.12	SS
PZ-106-SS	9/22/2014	462.70	12.17	450.53	SS
PZ-106-SS	11/18/2014	462.70	12.22	450.48	SS
PZ-106-SS	2/02/2015	462.70	10.83	451.87	SS
PZ-106-SS	5/12/2015	462.70	12.28	450.42	SS
PZ-106-SS	8/17/2015	462.70	10.85	451.85	SS
PZ-106-SS	11/16/2015	462.70	12.49	450.21	SS
PZ-106-SS	2/29/2016	462.70	12.82	449.88	SS
PZ-106-SS	5/31/2016	462.70	12.14	450.56	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-106-SS	8/22/2016	462.70	12.85	449.85	SS
PZ-106-SS	11/07/2016	462.70	13.21	449.49	SS
PZ-106-SS	2/06/2017	462.70	13.82	448.88	SS
PZ-106-SS	5/01/2017	462.70	12.98	449.72	SS
PZ-106-SS	8/28/2017	462.70	14.15	448.55	SS
PZ-106-SS	11/02/2017	462.70	3.00	459.70	SS
PZ-106-SS	2/14/2018	462.70	3.92	458.78	SS
PZ-106-SS	8/06/2018	462.70	3.57	459.13	SS
PZ-106-SS	11/13/2018	462.70	3.62	459.08	SS
PZ-107-SS	5/24/1995	464.26	30.01	434.25	SS
PZ-107-SS	6/06/1995	464.26	27.30	436.96	SS
PZ-107-SS	6/07/1995	464.26	30.29	433.97	SS
PZ-107-SS	6/16/1995	464.26	29.96	434.30	SS
PZ-107-SS	6/17/1995	464.26	31.65	432.61	SS
PZ-107-SS	6/27/1995	464.26	30.14	434.12	SS
PZ-107-SS	6/29/1995	464.26	30.07	434.19	SS
PZ-107-SS	7/10/1995	464.26	30.25	434.01	SS
PZ-107-SS	7/26/1995	464.26	30.36	433.90	SS
PZ-107-SS	8/15/1995	464.26	30.34	433.92	SS
PZ-107-SS	8/26/1995	464.26	30.66	433.60	SS
PZ-107-SS	9/30/1995	464.26	32.30	431.96	SS
PZ-107-SS	10/28/1995	464.26	32.75	431.51	SS
PZ-107-SS	11/18/1995	464.26	33.09	431.17	SS
PZ-107-SS	12/15/1995	464.26	33.54	430.72	SS
PZ-107-SS	1/04/1996	464.26	33.76	430.50	SS
PZ-107-SS	2/06/1996	464.26	34.42	429.84	SS
PZ-107-SS	3/04/1996	464.26	35.08	429.18	SS
PZ-107-SS	4/02/1996	464.26	35.31	428.95	SS
PZ-107-SS	4/30/1996	464.26	34.59	429.67	SS
PZ-107-SS	5/01/1996	464.26	34.43	429.83	SS
PZ-107-SS	5/02/1996	464.26	34.32	429.94	SS
PZ-107-SS	5/03/1996	464.26	34.32	429.94	SS
PZ-107-SS	6/13/1996	464.26	30.87	433.39	SS
PZ-107-SS	7/12/1996	464.26	31.11	433.15	SS
PZ-107-SS	8/08/1996	464.26	31.76	432.50	SS
PZ-107-SS	9/06/1996	464.26	32.55	431.71	SS
PZ-107-SS	2/03/1997	464.26	33.20	431.06	SS
PZ-107-SS	5/09/1997	464.26	30.96	433.30	SS
PZ-107-SS	8/11/1997	464.26	32.85	431.41	SS
PZ-107-SS	8/22/1997	464.26	30.06	434.20	SS
PZ-107-SS	11/06/1997	464.26	33.54	430.72	SS
PZ-107-SS	11/08/1997	464.26	46.47	417.79	SS
PZ-107-SS	2/09/1998	464.26	33.42	430.84	SS
PZ-107-SS	2/12/1998	464.26	51.20	413.06	SS
PZ-107-SS	5/26/1998	464.26	31.08	433.18	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-107-SS	11/09/1998	464.26	31.36	432.90	SS
PZ-107-SS	5/14/1999	464.26	30.68	433.58	SS
PZ-107-SS	11/19/1999	464.26	34.33	429.93	SS
PZ-107-SS	5/22/2000	464.26	36.07	428.19	SS
PZ-107-SS	5/20/2002	464.26	32.35	431.91	SS
PZ-107-SS	11/18/2002	464.26	35.22	429.04	SS
PZ-107-SS	5/27/2003	464.26	36.94	427.32	SS
PZ-107-SS	11/19/2003	464.26	36.30	427.96	SS
PZ-107-SS	5/10/2004	464.26	34.77	429.49	SS
PZ-107-SS	11/16/2004	464.26	34.81	429.45	SS
PZ-107-SS	5/23/2005	464.26	34.81	429.45	SS
PZ-107-SS	11/17/2005	464.26	35.99	428.27	SS
PZ-107-SS	5/31/2006	464.26	38.70	425.56	SS
PZ-107-SS	11/30/2006	464.26	38.91	425.35	SS
PZ-107-SS	5/31/2007	464.26	35.25	429.01	SS
PZ-107-SS	11/06/2007	464.26	35.79	428.47	SS
PZ-107-SS	5/06/2008	464.26	31.46	432.80	SS
PZ-107-SS	11/03/2008	464.26	32.13	432.13	SS
PZ-107-SS	5/05/2009	464.26	32.38	431.88	SS
PZ-107-SS	11/02/2009	464.26	30.91	433.35	SS
PZ-107-SS	5/18/2010	464.26	30.75	433.51	SS
PZ-107-SS	11/09/2010	464.26	32.16	432.10	SS
PZ-107-SS	5/09/2011	464.26	30.73	433.53	SS
PZ-107-SS	11/16/2011	464.26	32.48	431.78	SS
PZ-107-SS	5/09/2012	465.00	32.20	432.80	SS
PZ-107-SS	7/30/2012	465.00	35.24	429.76	SS
PZ-107-SS	8/04/2012	465.00	34.56	430.44	SS
PZ-107-SS	11/26/2012	465.00	36.44	428.56	SS
PZ-107-SS	4/02/2013	465.00	37.14	427.86	SS
PZ-107-SS	4/12/2013	465.00	36.29	428.71	SS
PZ-107-SS	4/12/2013	465.00	36.00	429.00	SS
PZ-107-SS	7/08/2013	465.00	31.96	433.04	SS
PZ-107-SS	7/19/2013	465.00	31.45	433.55	SS
PZ-107-SS	9/30/2013	465.00	34.46	430.54	SS
PZ-107-SS	10/03/2013	465.00	33.76	431.24	SS
PZ-107-SS	5/27/2014	465.00	35.67	429.33	SS
PZ-107-SS	9/22/2014	465.00	33.16	431.84	SS
PZ-107-SS	11/18/2014	465.00	32.86	432.14	SS
PZ-107-SS	2/02/2015	465.00	34.45	430.55	SS
PZ-107-SS	5/12/2015	465.00	34.09	430.91	SS
PZ-107-SS	8/17/2015	465.00	29.98	435.02	SS
PZ-107-SS	8/21/2015	465.00	30.32	434.68	SS
PZ-107-SS	11/16/2015	465.00	32.98	432.02	SS
PZ-107-SS	2/29/2016	465.00	30.97	434.03	SS
PZ-107-SS	3/04/2016	465.00	30.81	434.19	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-107-SS	5/31/2016	465.00	30.82	434.18	SS
PZ-107-SS	6/07/2016	465.00	31.06	433.94	SS
PZ-107-SS	8/22/2016	465.00	31.39	433.61	SS
PZ-107-SS	8/30/2016	465.00	31.73	433.27	SS
PZ-107-SS	11/07/2016	465.00	31.60	433.40	SS
PZ-107-SS	11/15/2016	465.00	32.00	433.00	SS
PZ-107-SS	2/06/2017	465.00	34.23	430.77	SS
PZ-107-SS	2/14/2017	465.00	34.43	430.57	SS
PZ-107-SS	5/01/2017	465.00	33.66	431.34	SS
PZ-107-SS	5/08/2017	465.00	31.29	433.71	SS
PZ-107-SS	8/28/2017	465.00	31.72	433.28	SS
PZ-107-SS	8/30/2017	465.00	31.67	433.33	SS
PZ-107-SS	11/02/2017	465.00	33.19	431.81	SS
PZ-107-SS	11/08/2017	465.00	33.39	431.61	SS
PZ-107-SS	2/14/2018	465.00	35.98	429.02	SS
PZ-107-SS	8/06/2018	465.00	32.70	432.30	SS
PZ-107-SS	11/13/2018	465.00	31.62	433.38	SS
PZ-108-SS	3/25/1995	455.80	27.32	428.48	SS
PZ-108-SS	3/28/1995	455.80	33.50	422.30	SS
PZ-108-SS	4/09/1995	455.80	99.15	356.65	SS
PZ-108-SS	4/21/1995	455.80	112.60	343.20	SS
PZ-108-SS	5/05/1995	455.80	96.25	359.55	SS
PZ-108-SS	5/24/1995	455.80	85.70	370.10	SS
PZ-108-SS	6/07/1995	455.80	88.23	367.57	SS
PZ-108-SS	6/27/1995	455.80	87.21	368.59	SS
PZ-108-SS	7/10/1995	455.80	88.62	367.18	SS
PZ-108-SS	7/26/1995	455.80	87.21	368.59	SS
PZ-108-SS	8/04/1995	455.80	86.65	369.15	SS
PZ-108-SS	8/15/1995	455.80	86.35	369.45	SS
PZ-108-SS	8/26/1995	455.80	89.18	366.62	SS
PZ-108-SS	9/30/1995	455.80	104.06	351.74	SS
PZ-108-SS	10/28/1995	455.80	100.32	355.48	SS
PZ-108-SS	11/18/1995	455.80	99.42	356.38	SS
PZ-108-SS	12/15/1995	455.80	108.76	347.04	SS
PZ-108-SS	1/04/1996	455.80	109.73	346.07	SS
PZ-108-SS	2/06/1996	455.80	104.32	351.48	SS
PZ-108-SS	3/05/1996	455.80	109.95	345.85	SS
PZ-108-SS	4/02/1996	455.80	100.20	355.60	SS
PZ-108-SS	4/30/1996	455.80	98.61	357.19	SS
PZ-108-SS	5/01/1996	455.80	97.45	358.35	SS
PZ-108-SS	5/02/1996	455.80	96.83	358.97	SS
PZ-108-SS	5/03/1996	455.80	96.63	359.17	SS
PZ-108-SS	6/13/1996	455.80	94.70	361.10	SS
PZ-108-SS	7/12/1996	455.80	98.01	357.79	SS
PZ-108-SS	8/08/1996	455.80	97.32	358.48	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-108-SS	9/06/1996	455.80	94.83	360.97	SS
PZ-108-SS	2/04/1997	455.80	87.68	368.12	SS
PZ-108-SS	5/09/1997	455.80	80.02	375.78	SS
PZ-108-SS	8/11/1997	455.80	81.00	374.80	SS
PZ-108-SS	11/06/1997	455.80	73.04	382.76	SS
PZ-108-SS	2/09/1998	455.80	65.03	390.77	SS
PZ-108-SS	5/26/1998	455.80	66.94	388.86	SS
PZ-108-SS	11/09/1998	455.80	64.71	391.09	SS
PZ-108-SS	5/14/1999	455.80	40.68	415.12	SS
PZ-108-SS	11/19/1999	455.80	52.12	403.68	SS
PZ-108-SS	5/22/2000	455.80	51.72	404.08	SS
PZ-108-SS	5/27/2003	455.80	53.26	402.54	SS
PZ-108-SS	11/19/2003	455.80	22.04	433.76	SS
PZ-108-SS	5/10/2004	455.80	37.28	418.52	SS
PZ-108-SS	11/16/2004	455.80	31.25	424.55	SS
PZ-108-SS	5/23/2005	455.80	56.41	399.39	SS
PZ-108-SS	11/17/2005	455.80	22.10	433.70	SS
PZ-108-SS	5/31/2006	455.80	64.08	391.72	SS
PZ-108-SS	11/30/2006	455.80	37.11	418.69	SS
PZ-108-SS	5/31/2007	455.80	59.38	396.42	SS
PZ-108-SS	11/06/2007	455.80	80.35	375.45	SS
PZ-108-SS	5/06/2008	455.80	59.55	396.25	SS
PZ-108-SS	11/03/2008	455.80	68.48	387.32	SS
PZ-108-SS	5/05/2009	455.80	74.29	381.51	SS
PZ-108-SS	11/02/2009	455.80	73.42	382.38	SS
PZ-108-SS	5/18/2010	455.80	77.80	378.00	SS
PZ-108-SS	11/09/2010	455.80	74.74	381.06	SS
PZ-108-SS	5/09/2011	455.80	51.69	404.11	SS
PZ-108-SS	11/16/2011	455.80	57.02	398.78	SS
PZ-109-SS	5/05/1995	458.10	94.42	363.68	SS
PZ-109-SS	5/24/1995	458.10	109.77	348.33	SS
PZ-109-SS	6/07/1995	458.10	93.60	364.50	SS
PZ-109-SS	6/27/1995	458.10	87.80	370.30	SS
PZ-109-SS	7/10/1995	458.10	85.49	372.61	SS
PZ-109-SS	7/26/1995	458.10	84.76	373.34	SS
PZ-109-SS	8/04/1995	458.10	85.63	372.47	SS
PZ-109-SS	8/15/1995	458.10	110.96	347.14	SS
PZ-109-SS	8/26/1995	458.10	98.05	360.05	SS
PZ-109-SS	9/30/1995	458.10	99.30	358.80	SS
PZ-109-SS	10/28/1995	458.10	103.86	354.24	SS
PZ-109-SS	11/18/1995	458.10	103.38	354.72	SS
PZ-109-SS	12/15/1995	458.10	106.70	351.40	SS
PZ-109-SS	1/04/1996	458.10	108.10	350.00	SS
PZ-109-SS	2/06/1996	458.10	107.66	350.44	SS
PZ-109-SS	3/05/1996	458.10	107.63	350.47	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-109-SS	4/02/1996	458.10	107.72	350.38	SS
PZ-109-SS	4/30/1996	458.10	106.64	351.46	SS
PZ-109-SS	5/01/1996	458.10	106.46	351.64	SS
PZ-109-SS	5/02/1996	458.10	106.29	351.81	SS
PZ-109-SS	5/03/1996	458.10	106.90	351.20	SS
PZ-109-SS	6/13/1996	458.10	100.32	357.78	SS
PZ-109-SS	7/12/1996	458.10	97.93	360.17	SS
PZ-109-SS	8/08/1996	458.10	102.46	355.64	SS
PZ-109-SS	9/06/1996	458.10	102.56	355.54	SS
PZ-109-SS	2/04/1997	458.10	84.68	373.42	SS
PZ-109-SS	5/09/1997	458.10	84.93	373.17	SS
PZ-109-SS	8/11/1997	458.10	87.51	370.59	SS
PZ-109-SS	11/06/1997	458.10	77.72	380.38	SS
PZ-109-SS	2/09/1998	458.10	67.06	391.04	SS
PZ-109-SS	5/26/1998	458.10	63.04	395.06	SS
PZ-109-SS	5/14/1999	458.10	42.41	415.69	SS
PZ-109-SS	5/22/2000	458.10	51.79	406.31	SS
PZ-109-SS	5/16/2001	458.10	57.02	401.08	SS
PZ-109-SS	11/07/2001	458.10	38.46	419.64	SS
PZ-109-SS	5/20/2002	458.10	25.75	432.35	SS
PZ-109-SS	11/18/2002	458.10	36.06	422.04	SS
PZ-109-SS	5/27/2003	458.10	60.08	398.02	SS
PZ-109-SS	11/19/2003	458.10	22.63	435.47	SS
PZ-109-SS	5/10/2004	458.10	45.95	412.15	SS
PZ-109-SS	11/16/2004	458.10	40.45	417.65	SS
PZ-109-SS	5/23/2005	458.10	65.20	392.90	SS
PZ-109-SS	11/17/2005	458.10	22.78	435.32	SS
PZ-109-SS	5/31/2006	458.10	71.49	386.61	SS
PZ-109-SS	11/30/2006	458.10	40.00	418.10	SS
PZ-109-SS	5/31/2007	458.10	67.37	390.73	SS
PZ-109-SS	11/06/2007	458.10	97.90	360.20	SS
PZ-109-SS	5/06/2008	458.10	59.30	398.80	SS
PZ-109-SS	11/03/2008	458.10	81.60	376.50	SS
PZ-109-SS	5/05/2009	458.10	88.76	369.34	SS
PZ-109-SS	11/02/2009	458.10	90.63	367.47	SS
PZ-109-SS	5/18/2010	458.10	98.95	359.15	SS
PZ-109-SS	11/09/2010	458.10	94.54	363.56	SS
PZ-109-SS	5/09/2011	458.10	67.00	391.10	SS
PZ-109-SS	11/16/2011	458.10	82.97	375.13	SS
PZ-109-SS	5/09/2012	458.90	27.98	430.92	SS
PZ-109-SS	7/30/2012	458.90	60.66	398.24	SS
PZ-109-SS	11/26/2012	458.90	54.65	404.25	SS
PZ-109-SS	4/02/2013	458.90	28.28	430.62	SS
PZ-109-SS	4/12/2013	458.90	27.53	431.37	SS
PZ-109-SS	7/08/2013	458.90	36.60	422.30	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-109-SS	9/30/2013	458.90	28.55	430.35	SS
PZ-109-SS	5/27/2014	458.90	34.14	424.76	SS
PZ-109-SS	9/22/2014	458.90	30.50	428.40	SS
PZ-109-SS	11/18/2014	458.90	32.01	426.89	SS
PZ-109-SS	2/02/2015	458.90	32.40	426.50	SS
PZ-109-SS	5/12/2015	458.90	28.69	430.21	SS
PZ-109-SS	8/17/2015	458.90	20.64	438.26	SS
PZ-109-SS	11/16/2015	458.90	25.43	433.47	SS
PZ-109-SS	2/29/2016	458.90	21.91	436.99	SS
PZ-109-SS	5/31/2016	458.90	22.42	436.48	SS
PZ-109-SS	8/22/2016	458.90	24.97	433.93	SS
PZ-109-SS	11/07/2016	458.90	28.11	430.79	SS
PZ-109-SS	2/06/2017	458.90	22.08	436.82	SS
PZ-109-SS	5/01/2017	458.90	20.59	438.31	SS
PZ-109-SS	8/28/2017	458.90	19.82	439.08	SS
PZ-109-SS	11/02/2017	458.90	20.89	438.01	SS
PZ-109-SS	2/14/2018	458.90	22.40	436.50	SS
PZ-109-SS	8/06/2018	458.90	22.12	436.78	SS
PZ-109-SS	11/13/2018	458.90	21.86	437.04	SS
PZ-110-SS	5/25/1995	458.51	35.26	423.25	SS
PZ-110-SS	6/07/1995	458.51	25.43	433.08	SS
PZ-110-SS	6/09/1995	458.51	73.04	385.47	SS
PZ-110-SS	6/12/1995	458.51	72.29	386.22	SS
PZ-110-SS	6/14/1995	458.51	91.93	366.58	SS
PZ-110-SS	6/16/1995	458.51	94.07	364.44	SS
PZ-110-SS	6/27/1995	458.51	45.15	413.36	SS
PZ-110-SS	7/10/1995	458.51	25.61	432.90	SS
PZ-110-SS	7/26/1995	458.51	25.38	433.13	SS
PZ-110-SS	8/15/1995	458.51	25.30	433.21	SS
PZ-110-SS	8/26/1995	458.51	25.64	432.87	SS
PZ-110-SS	9/30/1995	458.51	27.34	431.17	SS
PZ-110-SS	10/28/1995	458.51	27.98	430.53	SS
PZ-110-SS	11/18/1995	458.51	28.33	430.18	SS
PZ-110-SS	12/14/1995	458.51	28.80	429.71	SS
PZ-110-SS	12/20/1995	458.51	28.85	429.66	SS
PZ-110-SS	12/24/1995	458.51	28.74	429.77	SS
PZ-110-SS	12/26/1995	458.51	28.77	429.74	SS
PZ-110-SS	12/31/1995	458.51	28.82	429.69	SS
PZ-110-SS	1/04/1996	458.51	29.04	429.47	SS
PZ-110-SS	2/06/1996	458.51	29.82	428.69	SS
PZ-110-SS	3/05/1996	458.51	30.60	427.91	SS
PZ-110-SS	4/02/1996	458.51	31.40	427.11	SS
PZ-110-SS	4/30/1996	458.51	30.66	427.85	SS
PZ-110-SS	5/01/1996	458.51	30.51	428.00	SS
PZ-110-SS	5/02/1996	458.51	30.40	428.11	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-110-SS	5/03/1996	458.51	30.26	428.25	SS
PZ-110-SS	6/13/1996	458.51	26.46	432.05	SS
PZ-110-SS	7/12/1996	458.51	26.82	431.69	SS
PZ-110-SS	8/08/1996	458.51	27.16	431.35	SS
PZ-110-SS	9/06/1996	458.51	27.78	430.73	SS
PZ-110-SS	2/04/1997	458.51	30.04	428.47	SS
PZ-110-SS	5/09/1997	458.51	36.93	421.58	SS
PZ-110-SS	8/11/1997	458.51	41.99	416.52	SS
PZ-110-SS	11/06/1997	458.51	47.52	410.99	SS
PZ-110-SS	2/09/1998	458.51	44.33	414.18	SS
PZ-110-SS	5/26/1998	458.51	45.21	413.30	SS
PZ-110-SS	11/09/1998	458.51	44.88	413.63	SS
PZ-110-SS	5/14/1999	458.51	30.67	427.84	SS
PZ-110-SS	5/22/2000	458.51	33.74	424.77	SS
PZ-110-SS	5/16/2001	458.51	31.25	427.26	SS
PZ-110-SS	11/07/2001	458.51	30.60	427.91	SS
PZ-110-SS	5/20/2002	458.51	28.05	430.46	SS
PZ-110-SS	11/18/2002	458.51	30.91	427.60	SS
PZ-110-SS	5/27/2003	458.51	34.23	424.28	SS
PZ-110-SS	11/19/2003	458.51	31.66	426.85	SS
PZ-110-SS	5/10/2004	458.51	31.95	426.56	SS
PZ-110-SS	11/16/2004	458.51	31.28	427.23	SS
PZ-110-SS	5/23/2005	458.51	31.71	426.80	SS
PZ-110-SS	11/17/2005	458.51	30.94	427.57	SS
PZ-110-SS	5/31/2006	458.51	36.22	422.29	SS
PZ-110-SS	11/30/2006	458.51	34.84	423.67	SS
PZ-110-SS	5/31/2007	458.51	33.06	425.45	SS
PZ-110-SS	11/06/2007	458.51	35.66	422.85	SS
PZ-110-SS	5/06/2008	458.51	29.34	429.17	SS
PZ-110-SS	11/03/2008	458.51	30.30	428.21	SS
PZ-110-SS	5/05/2009	458.51	31.12	427.39	SS
PZ-110-SS	11/02/2009	458.51	30.68	427.83	SS
PZ-110-SS	5/18/2010	458.51	30.39	428.12	SS
PZ-110-SS	11/09/2010	458.51	31.82	426.69	SS
PZ-110-SS	5/09/2011	458.51	29.83	428.68	SS
PZ-110-SS	11/16/2011	458.51	31.87	426.64	SS
PZ-110-SS	5/09/2012	461.06	30.79	430.27	SS
PZ-110-SS	7/30/2012	461.06	33.52	427.54	SS
PZ-110-SS	11/26/2012	461.06	34.95	426.11	SS
PZ-110-SS	4/02/2013	461.06	33.37	427.69	SS
PZ-110-SS	4/12/2013	461.06	33.06	428.00	SS
PZ-110-SS	7/08/2013	461.06	29.12	431.94	SS
PZ-110-SS	9/30/2013	461.06	30.96	430.10	SS
PZ-110-SS	5/27/2014	461.06	33.11	427.95	SS
PZ-110-SS	9/22/2014	461.06	30.82	430.24	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-110-SS	11/18/2014	461.06	30.33	430.73	SS
PZ-110-SS	2/02/2015	461.06	31.76	429.30	SS
PZ-110-SS	5/12/2015	461.06	31.38	429.68	SS
PZ-110-SS	8/17/2015	461.06	26.24	434.82	SS
PZ-110-SS	11/16/2015	461.06	29.93	431.13	SS
PZ-110-SS	2/29/2016	461.06	27.59	433.47	SS
PZ-110-SS	5/31/2016	461.06	27.68	433.38	SS
PZ-110-SS	8/22/2016	461.06	28.28	432.78	SS
PZ-110-SS	11/07/2016	461.06	28.76	432.30	SS
PZ-110-SS	2/06/2017	461.06	31.10	429.96	SS
PZ-110-SS	5/01/2017	461.06	NA	NA	SS
PZ-110-SS	8/28/2017	461.06	NA	NA	SS
PZ-110-SS	11/02/2017	461.06	33.40	427.66	SS
PZ-110-SS	2/14/2018	461.06	36.05	425.01	SS
PZ-110-SS	8/06/2018	461.06	33.11	427.95	SS
PZ-110-SS	11/13/2018	461.06	31.97	429.09	SS
PZ-113-SS	5/24/1995	461.37	26.18	435.19	SS
PZ-113-SS	6/27/1995	461.37	26.07	435.30	SS
PZ-113-SS	7/11/1995	461.37	26.23	435.14	SS
PZ-113-SS	7/26/1995	461.37	26.54	434.83	SS
PZ-113-SS	8/15/1995	461.37	26.56	434.81	SS
PZ-113-SS	8/26/1995	461.37	26.98	434.39	SS
PZ-113-SS	9/30/1995	461.37	28.72	432.65	SS
PZ-113-SS	10/28/1995	461.37	29.48	431.89	SS
PZ-113-SS	11/18/1995	461.37	29.83	431.54	SS
PZ-113-SS	12/14/1995	461.37	34.44	426.93	SS
PZ-113-SS	12/20/1995	461.37	30.40	430.97	SS
PZ-113-SS	12/24/1995	461.37	30.31	431.06	SS
PZ-113-SS	12/26/1995	461.37	30.35	431.02	SS
PZ-113-SS	12/31/1995	461.37	30.42	430.95	SS
PZ-113-SS	1/04/1996	461.37	30.61	430.76	SS
PZ-113-SS	2/06/1996	461.37	31.19	430.18	SS
PZ-113-SS	3/04/1996	461.37	31.71	429.66	SS
PZ-113-SS	4/03/1996	461.37	32.12	429.25	SS
PZ-113-SS	4/30/1996	461.37	31.40	429.97	SS
PZ-113-SS	5/01/1996	461.37	31.20	430.17	SS
PZ-113-SS	5/02/1996	461.37	31.00	430.37	SS
PZ-113-SS	5/03/1996	461.37	30.88	430.49	SS
PZ-113-SS	6/13/1996	461.37	26.96	434.41	SS
PZ-113-SS	7/12/1996	461.37	27.31	434.06	SS
PZ-113-SS	8/08/1996	461.37	28.05	433.32	SS
PZ-113-SS	9/06/1996	461.37	28.94	432.43	SS
PZ-113-SS	2/03/1997	461.37	29.92	431.45	SS
PZ-113-SS	5/09/1997	461.37	27.22	434.15	SS
PZ-113-SS	8/11/1997	461.37	29.31	432.06	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-113-SS	11/06/1997	461.37	30.35	431.02	SS
PZ-113-SS	2/10/1998	461.37	30.17	431.20	SS
PZ-113-SS	5/26/1998	461.37	27.01	434.36	SS
PZ-113-SS	11/09/1998	461.37	27.00	434.37	SS
PZ-113-SS	5/14/1999	461.37	27.11	434.26	SS
PZ-113-SS	5/22/2000	461.37	33.00	428.37	SS
PZ-113-SS	5/20/2002	461.37	29.50	431.87	SS
PZ-113-SS	11/18/2002	461.37	32.45	428.92	SS
PZ-113-SS	5/27/2003	461.37	34.19	427.18	SS
PZ-113-SS	11/19/2003	461.37	34.00	427.37	SS
PZ-113-SS	5/10/2004	461.37	32.30	429.07	SS
PZ-113-SS	11/16/2004	461.37	32.19	429.18	SS
PZ-113-SS	5/23/2005	461.37	31.91	429.46	SS
PZ-113-SS	11/17/2005	461.37	34.53	426.84	SS
PZ-113-SS	5/31/2006	461.37	35.84	425.53	SS
PZ-113-SS	11/30/2006	461.37	36.32	425.05	SS
PZ-113-SS	5/31/2007	461.37	32.89	428.48	SS
PZ-113-SS	11/06/2007	461.37	32.79	428.58	SS
PZ-113-SS	5/06/2008	461.37	28.45	432.92	SS
PZ-113-SS	11/03/2008	461.37	28.69	432.68	SS
PZ-113-SS	5/05/2009	461.37	29.50	431.87	SS
PZ-113-SS	11/02/2009	461.37	27.12	434.25	SS
PZ-113-SS	5/18/2010	461.37	27.14	434.23	SS
PZ-113-SS	11/09/2010	461.37	28.95	432.42	SS
PZ-113-SS	5/09/2011	461.37	27.24	434.13	SS
PZ-113-SS	11/16/2011	461.37	29.48	431.89	SS
PZ-113-SS	5/09/2012	462.26	29.50	432.76	SS
PZ-113-SS	7/30/2012	462.26	32.74	429.52	SS
PZ-113-SS	11/26/2012	462.26	33.98	428.28	SS
PZ-113-SS	4/02/2013	462.26	35.09	427.17	SS
PZ-113-SS	4/12/2013	462.26	34.20	428.06	SS
PZ-113-SS	7/08/2013	462.26	29.23	433.03	SS
PZ-113-SS	9/30/2013	462.26	32.06	430.20	SS
PZ-113-SS	5/27/2014	462.26	33.56	428.70	SS
PZ-113-SS	9/22/2014	462.26	31.02	431.24	SS
PZ-113-SS	11/18/2014	462.26	30.65	431.61	SS
PZ-113-SS	2/02/2015	462.26	32.15	430.11	SS
PZ-113-SS	5/12/2015	462.26	31.80	430.46	SS
PZ-113-SS	8/18/2015	462.26	26.60	435.66	SS
PZ-113-SS	11/16/2015	462.26	30.56	431.70	SS
PZ-113-SS	2/29/2016	462.26	28.12	434.14	SS
PZ-113-SS	5/31/2016	462.26	28.16	434.10	SS
PZ-113-SS	8/22/2016	462.26	28.75	433.51	SS
PZ-113-SS	8/31/2016	462.26	29.09	433.17	SS
PZ-113-SS	11/07/2016	462.26	29.35	432.91	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-113-SS	2/06/2017	462.26	31.96	430.30	SS
PZ-113-SS	5/01/2017	462.26	30.78	431.48	SS
PZ-113-SS	8/28/2017	462.26	29.35	432.91	SS
PZ-113-SS	11/02/2017	462.26	30.96	431.30	SS
PZ-113-SS	2/14/2018	462.26	33.59	428.67	SS
PZ-113-SS	8/06/2018	462.26	30.51	431.75	SS
PZ-113-SS	11/13/2018	462.26	29.39	432.87	SS
PZ-115-SS	5/24/1995	451.90	22.75	429.15	SS
PZ-115-SS	6/05/1995	451.90	22.66	429.24	SS
PZ-115-SS	6/07/1995	451.90	38.61	413.29	SS
PZ-115-SS	6/13/1995	451.90	25.51	426.39	SS
PZ-115-SS	6/22/1995	451.90	25.14	426.76	SS
PZ-115-SS	6/27/1995	451.90	25.55	426.35	SS
PZ-115-SS	7/10/1995	451.90	25.72	426.18	SS
PZ-115-SS	7/26/1995	451.90	27.47	424.43	SS
PZ-115-SS	8/05/1995	451.90	26.99	424.91	SS
PZ-115-SS	8/26/1995	451.90	28.12	423.78	SS
PZ-115-SS	9/30/1995	451.90	35.24	416.66	SS
PZ-115-SS	10/28/1995	451.90	39.21	412.69	SS
PZ-115-SS	11/18/1995	451.90	40.59	411.31	SS
PZ-115-SS	12/14/1995	451.90	44.44	407.46	SS
PZ-115-SS	1/04/1996	451.90	37.96	413.94	SS
PZ-115-SS	2/06/1996	451.90	39.07	412.83	SS
PZ-115-SS	3/04/1996	451.90	45.96	405.94	SS
PZ-115-SS	4/03/1996	451.90	37.99	413.91	SS
PZ-115-SS	4/30/1996	451.90	28.97	422.93	SS
PZ-115-SS	5/01/1996	451.90	28.34	423.56	SS
PZ-115-SS	5/02/1996	451.90	28.46	423.44	SS
PZ-115-SS	5/03/1996	451.90	28.79	423.11	SS
PZ-115-SS	6/13/1996	451.90	26.50	425.40	SS
PZ-115-SS	7/12/1996	451.90	30.45	421.45	SS
PZ-115-SS	8/08/1996	451.90	32.74	419.16	SS
PZ-115-SS	9/06/1996	451.90	37.79	414.11	SS
PZ-115-SS	2/04/1997	451.90	28.82	423.08	SS
PZ-115-SS	5/09/1997	451.90	29.33	422.57	SS
PZ-115-SS	8/11/1997	451.90	37.42	414.48	SS
PZ-115-SS	11/06/1997	451.90	33.07	418.83	SS
PZ-115-SS	2/09/1998	451.90	30.73	421.17	SS
PZ-115-SS	5/26/1998	451.90	19.19	432.71	SS
PZ-115-SS	11/09/1998	451.90	28.21	423.69	SS
PZ-115-SS	5/14/1999	451.90	17.55	434.35	SS
PZ-115-SS	5/22/2000	451.90	26.06	425.84	SS
PZ-115-SS	5/15/2001	451.90	22.82	429.08	SS
PZ-115-SS	11/07/2001	451.90	21.71	430.19	SS
PZ-115-SS	5/20/2002	451.90	21.90	430.00	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-115-SS	11/18/2002	451.90	19.20	432.70	SS
PZ-115-SS	5/27/2003	451.90	22.24	429.66	SS
PZ-115-SS	11/19/2003	451.90	16.35	435.55	SS
PZ-115-SS	5/10/2004	451.90	19.90	432.00	SS
PZ-115-SS	11/16/2004	451.90	19.17	432.73	SS
PZ-115-SS	5/23/2005	451.90	22.90	429.00	SS
PZ-115-SS	11/17/2005	451.90	17.06	434.84	SS
PZ-115-SS	5/31/2006	451.90	33.20	418.70	SS
PZ-115-SS	11/30/2006	451.90	23.82	428.08	SS
PZ-115-SS	5/31/2007	451.90	37.44	414.46	SS
PZ-115-SS	11/06/2007	451.90	61.63	390.27	SS
PZ-115-SS	5/06/2008	451.90	20.61	431.29	SS
PZ-115-SS	11/03/2008	451.90	42.00	409.90	SS
PZ-115-SS	5/05/2009	451.90	36.55	415.35	SS
PZ-115-SS	11/02/2009	451.90	19.35	432.55	SS
PZ-115-SS	5/18/2010	451.90	38.38	413.52	SS
PZ-115-SS	11/09/2010	451.90	56.40	395.50	SS
PZ-115-SS	5/09/2011	451.90	17.40	434.50	SS
PZ-115-SS	11/16/2011	451.90	46.90	405.00	SS
PZ-115-SS	5/09/2012	452.50	16.03	436.47	SS
PZ-115-SS	7/30/2012	452.50	37.56	414.94	SS
PZ-115-SS	11/26/2012	452.50	31.49	421.01	SS
PZ-115-SS	4/02/2013	452.50	16.51	435.99	SS
PZ-115-SS	4/12/2013	452.50	15.88	436.62	SS
PZ-115-SS	7/08/2013	452.50	15.57	436.93	SS
PZ-115-SS	9/30/2013	452.50	17.74	434.76	SS
PZ-115-SS	5/28/2014	452.50	17.33	435.17	SS
PZ-115-SS	9/22/2014	452.50	16.91	435.59	SS
PZ-115-SS	11/18/2014	452.50	16.59	435.91	SS
PZ-115-SS	2/02/2015	452.50	16.68	435.82	SS
PZ-115-SS	5/12/2015	452.50	14.60	437.90	SS
PZ-115-SS	8/18/2015	452.50	10.67	441.83	SS
PZ-115-SS	11/16/2015	452.50	15.28	437.22	SS
PZ-115-SS	2/29/2016	452.50	12.65	439.85	SS
PZ-115-SS	5/31/2016	452.50	13.15	439.35	SS
PZ-115-SS	8/22/2016	452.50	14.29	438.21	SS
PZ-115-SS	11/07/2016	452.50	15.05	437.45	SS
PZ-115-SS	2/06/2017	452.50	15.39	437.11	SS
PZ-115-SS	5/01/2017	452.50	12.61	439.89	SS
PZ-115-SS	8/28/2017	452.50	14.26	438.24	SS
PZ-115-SS	11/02/2017	452.50	15.07	437.43	SS
PZ-115-SS	2/14/2018	452.50	16.59	435.91	SS
PZ-115-SS	8/06/2018	452.50	15.54	436.96	SS
PZ-115-SS	11/13/2018	452.50	14.60	437.90	SS
PZ-116-SS	7/10/1995	484.47	137.45	347.02	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-116-SS	8/03/1995	484.47	140.82	343.65	SS
PZ-116-SS	8/15/1995	484.47	135.06	349.41	SS
PZ-116-SS	8/26/1995	484.47	128.41	356.06	SS
PZ-116-SS	9/30/1995	484.47	146.69	337.78	SS
PZ-116-SS	10/28/1995	484.47	151.79	332.68	SS
PZ-116-SS	11/18/1995	484.47	153.44	331.03	SS
PZ-116-SS	12/15/1995	484.47	154.80	329.67	SS
PZ-116-SS	1/04/1996	484.47	154.19	330.28	SS
PZ-116-SS	2/06/1996	484.47	133.25	351.22	SS
PZ-116-SS	3/05/1996	484.47	138.74	345.73	SS
PZ-116-SS	4/02/1996	484.47	146.91	337.56	SS
PZ-116-SS	4/30/1996	484.47	135.61	348.86	SS
PZ-116-SS	5/01/1996	484.47	133.91	350.56	SS
PZ-116-SS	5/02/1996	484.47	132.52	351.95	SS
PZ-116-SS	5/03/1996	484.47	131.46	353.01	SS
PZ-116-SS	6/13/1996	484.47	121.00	363.47	SS
PZ-116-SS	7/12/1996	484.47	119.36	365.11	SS
PZ-116-SS	8/08/1996	484.47	129.32	355.15	SS
PZ-116-SS	9/06/1996	484.47	128.71	355.76	SS
PZ-116-SS	2/04/1997	484.47	109.38	375.09	SS
PZ-116-SS	5/09/1997	484.47	121.00	363.47	SS
PZ-116-SS	8/11/1997	484.47	101.01	383.46	SS
PZ-116-SS	11/06/1997	484.47	88.84	395.63	SS
PZ-116-SS	2/09/1998	484.47	87.63	396.84	SS
PZ-116-SS	2/10/1998	484.47	87.63	396.84	SS
PZ-116-SS	5/26/1998	484.47	90.23	394.24	SS
PZ-116-SS	11/09/1998	484.47	87.53	396.94	SS
PZ-116-SS	5/14/1999	484.47	67.30	417.17	SS
PZ-116-SS	11/19/1999	484.47	70.26	414.21	SS
PZ-116-SS	5/22/2000	484.47	88.70	395.77	SS
PZ-116-SS	5/20/2002	484.47	44.39	440.08	SS
PZ-116-SS	11/18/2002	484.47	53.10	431.37	SS
PZ-116-SS	5/27/2003	484.47	76.53	407.94	SS
PZ-116-SS	11/19/2003	484.47	38.38	446.09	SS
PZ-116-SS	5/10/2004	484.47	43.50	440.97	SS
PZ-116-SS	11/16/2004	484.47	39.33	445.14	SS
PZ-116-SS	5/23/2005	484.47	41.20	443.27	SS
PZ-116-SS	11/17/2005	484.47	37.79	446.68	SS
PZ-116-SS	5/31/2006	484.47	59.00	425.47	SS
PZ-116-SS	11/30/2006	484.47	57.20	427.27	SS
PZ-116-SS	5/31/2007	484.47	62.20	422.27	SS
PZ-116-SS	11/06/2007	484.47	69.41	415.06	SS
PZ-116-SS	5/06/2008	484.47	58.68	425.79	SS
PZ-116-SS	11/03/2008	484.47	50.30	434.17	SS
PZ-116-SS	5/05/2009	484.47	64.30	420.17	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-116-SS	11/02/2009	484.47	62.90	421.57	SS
PZ-116-SS	5/18/2010	484.47	64.40	420.07	SS
PZ-116-SS	11/09/2010	484.47	63.59	420.88	SS
PZ-116-SS	5/09/2011	484.47	43.40	441.07	SS
PZ-116-SS	11/16/2011	484.47	39.21	445.26	SS
PZ-116-SS	5/09/2012	486.04	32.96	453.08	SS
PZ-116-SS	7/30/2012	486.04	33.39	452.65	SS
PZ-116-SS	11/26/2012	486.04	31.73	454.31	SS
PZ-116-SS	4/02/2013	486.04	28.84	457.20	SS
PZ-116-SS	4/12/2013	486.04	27.25	458.79	SS
PZ-116-SS	7/08/2013	486.04	27.27	458.77	SS
PZ-116-SS	9/30/2013	486.04	25.80	460.24	SS
PZ-116-SS	5/27/2014	486.04	23.24	462.80	SS
PZ-116-SS	9/22/2014	486.04	22.84	463.20	SS
PZ-116-SS	11/18/2014	486.04	22.17	463.87	SS
PZ-116-SS	2/02/2015	486.04	20.72	465.32	SS
PZ-116-SS	5/12/2015	486.04	19.26	466.78	SS
PZ-116-SS	8/17/2015	486.04	17.65	468.39	SS
PZ-116-SS	11/16/2015	486.04	17.69	468.35	SS
PZ-116-SS	2/29/2016	486.04	15.90	470.14	SS
PZ-116-SS	5/31/2016	486.04	6.19	479.85	SS
PZ-116-SS	8/22/2016	486.04	10.30	475.74	SS
PZ-116-SS	11/07/2016	486.04	11.56	474.48	SS
PZ-116-SS	2/06/2017	486.04	12.98	473.06	SS
PZ-116-SS	5/01/2017	486.04	12.69	473.35	SS
PZ-116-SS	8/28/2017	486.04	13.06	472.98	SS
PZ-116-SS	11/02/2017	486.04	13.65	472.39	SS
PZ-116-SS	2/14/2018	486.04	14.51	471.53	SS
PZ-116-SS	8/06/2018	486.04	16.55	469.49	SS
PZ-116-SS	11/13/2018	486.04	16.65	469.39	SS
PZ-200-SS	1/04/1996	485.23	72.70	412.53	SS
PZ-200-SS	2/06/1996	485.23	73.21	412.02	SS
PZ-200-SS	3/04/1996	485.23	73.49	411.74	SS
PZ-200-SS	4/03/1996	485.23	73.60	411.63	SS
PZ-200-SS	4/30/1996	485.23	73.65	411.58	SS
PZ-200-SS	5/01/1996	485.23	73.63	411.60	SS
PZ-200-SS	5/02/1996	485.23	73.65	411.58	SS
PZ-200-SS	5/03/1996	485.23	73.58	411.65	SS
PZ-200-SS	6/13/1996	485.23	73.27	411.96	SS
PZ-200-SS	7/12/1996	485.23	73.35	411.88	SS
PZ-200-SS	8/08/1996	485.23	73.69	411.54	SS
PZ-200-SS	9/06/1996	485.23	73.55	411.68	SS
PZ-200-SS	2/04/1997	485.23	72.90	412.33	SS
PZ-200-SS	5/09/1997	485.23	72.36	412.87	SS
PZ-200-SS	8/11/1997	485.23	73.68	411.55	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-200-SS	11/06/1997	485.23	73.55	411.68	SS
PZ-200-SS	11/09/1998	485.23	65.03	420.20	SS
PZ-200-SS	5/14/1999	485.23	56.46	428.77	SS
PZ-200-SS	11/19/1999	485.23	58.04	427.19	SS
PZ-200-SS	5/22/2000	485.23	54.29	430.94	SS
PZ-200-SS	5/20/2002	485.23	38.12	447.11	SS
PZ-200-SS	11/18/2002	485.23	44.57	440.66	SS
PZ-200-SS	5/27/2003	485.23	50.31	434.92	SS
PZ-200-SS	5/23/2005	485.23	47.42	437.81	SS
PZ-200-SS	11/17/2005	485.23	41.38	443.85	SS
PZ-200-SS	5/31/2006	485.23	48.55	436.68	SS
PZ-200-SS	11/30/2006	485.23	43.42	441.81	SS
PZ-200-SS	5/31/2007	485.23	59.30	425.93	SS
PZ-200-SS	11/06/2007	485.23	63.62	421.61	SS
PZ-200-SS	5/06/2008	485.23	42.95	442.28	SS
PZ-200-SS	11/03/2008	485.23	51.93	433.30	SS
PZ-200-SS	5/05/2009	485.23	67.05	418.18	SS
PZ-200-SS	11/02/2009	485.23	42.88	442.35	SS
PZ-200-SS	5/18/2010	485.23	61.44	423.79	SS
PZ-200-SS	11/09/2010	485.23	69.98	415.25	SS
PZ-200-SS	5/09/2011	485.23	58.74	426.49	SS
PZ-200-SS	11/16/2011	485.23	65.82	419.41	SS
PZ-200-SS	5/09/2012	485.83	40.67	445.16	SS
PZ-200-SS	7/30/2012	485.83	46.24	439.59	SS
PZ-200-SS	11/26/2012	485.83	38.95	446.88	SS
PZ-200-SS	4/02/2013	485.83	31.24	454.59	SS
PZ-200-SS	4/12/2013	485.83	30.50	455.33	SS
PZ-200-SS	7/08/2013	485.83	27.32	458.51	SS
PZ-200-SS	9/30/2013	485.83	26.93	458.90	SS
PZ-200-SS	5/27/2014	485.83	25.15	460.68	SS
PZ-200-SS	9/22/2014	485.83	23.99	461.84	SS
PZ-200-SS	11/18/2014	485.83	23.35	462.48	SS
PZ-200-SS	2/02/2015	485.83	22.85	462.98	SS
PZ-200-SS	5/12/2015	485.83	21.99	463.84	SS
PZ-200-SS	8/18/2015	485.83	19.84	465.99	SS
PZ-200-SS	11/16/2015	485.83	20.41	465.42	SS
PZ-200-SS	2/29/2016	485.83	20.30	465.53	SS
PZ-200-SS	5/31/2016	485.83	20.80	465.03	SS
PZ-200-SS	8/22/2016	485.83	20.69	465.14	SS
PZ-200-SS	11/07/2016	485.83	21.59	464.24	SS
PZ-200-SS	2/06/2017	485.83	22.18	463.65	SS
PZ-200-SS	5/01/2017	485.83	21.85	463.98	SS
PZ-200-SS	8/28/2017	485.83	21.70	464.13	SS
PZ-200-SS	11/02/2017	485.83	22.30	463.53	SS
PZ-200-SS	2/14/2018	485.83	23.17	462.66	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-200-SS	8/06/2018	485.83	23.44	462.39	SS
PZ-200-SS	11/13/2018	485.83	23.02	462.81	SS
PZ-201A-SS	4/24/1995	479.76	26.36	453.40	SS
PZ-201A-SS	5/05/1995	479.76	28.10	451.66	SS
PZ-201A-SS	5/23/1995	479.76	69.09	410.67	SS
PZ-201A-SS	6/07/1995	479.76	66.71	413.05	SS
PZ-201A-SS	6/27/1995	479.76	65.46	414.30	SS
PZ-201A-SS	7/10/1995	479.76	65.46	414.30	SS
PZ-201A-SS	7/26/1995	479.76	65.86	413.90	SS
PZ-201A-SS	8/26/1995	479.76	66.11	413.65	SS
PZ-201A-SS	9/30/1995	479.76	67.22	412.54	SS
PZ-201A-SS	10/28/1995	479.76	67.31	412.45	SS
PZ-201A-SS	11/18/1995	479.76	67.59	412.17	SS
PZ-201A-SS	12/13/1995	479.76	68.04	411.72	SS
PZ-201A-SS	1/04/1996	479.76	68.03	411.73	SS
PZ-201A-SS	2/06/1996	479.76	68.24	411.52	SS
PZ-201A-SS	3/04/1996	479.76	68.24	411.52	SS
PZ-201A-SS	4/03/1996	479.76	68.10	411.66	SS
PZ-201A-SS	4/30/1996	479.76	68.26	411.50	SS
PZ-201A-SS	5/01/1996	479.76	68.14	411.62	SS
PZ-201A-SS	5/02/1996	479.76	68.14	411.62	SS
PZ-201A-SS	5/03/1996	479.76	68.13	411.63	SS
PZ-201A-SS	6/13/1996	479.76	67.58	412.18	SS
PZ-201A-SS	7/12/1996	479.76	67.08	412.68	SS
PZ-201A-SS	8/08/1996	479.76	66.99	412.77	SS
PZ-201A-SS	9/06/1996	479.76	67.51	412.25	SS
PZ-201A-SS	2/04/1997	479.76	66.54	413.22	SS
PZ-201A-SS	5/09/1997	479.76	65.79	413.97	SS
PZ-201A-SS	8/11/1997	479.76	66.66	413.10	SS
PZ-201A-SS	11/06/1997	479.76	66.66	413.10	SS
PZ-201A-SS	2/09/1998	479.76	62.33	417.43	SS
PZ-201A-SS	5/26/1998	479.76	63.27	416.49	SS
PZ-201A-SS	11/09/1998	479.76	62.45	417.31	SS
PZ-201A-SS	5/14/1999	479.76	47.65	432.11	SS
PZ-201A-SS	5/22/2000	479.76	50.07	429.69	SS
PZ-201A-SS	5/15/2001	479.76	58.61	421.15	SS
PZ-201A-SS	11/07/2001	479.76	46.91	432.85	SS
PZ-201A-SS	5/20/2002	479.76	37.24	442.52	SS
PZ-201A-SS	11/18/2002	479.76	41.15	438.61	SS
PZ-201A-SS	5/27/2003	479.76	67.69	412.07	SS
PZ-201A-SS	11/19/2003	479.76	31.70	448.06	SS
PZ-201A-SS	5/10/2004	479.76	41.93	437.83	SS
PZ-201A-SS	11/16/2004	479.76	37.98	441.78	SS
PZ-201A-SS	5/23/2005	479.76	43.32	436.44	SS
PZ-201A-SS	11/17/2005	479.76	26.85	452.91	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-201A-SS	5/31/2006	479.76	45.32	434.44	SS
PZ-201A-SS	11/30/2006	479.76	37.00	442.76	SS
PZ-201A-SS	5/31/2007	479.76	21.70	458.06	SS
PZ-201A-SS	11/06/2007	479.76	53.53	426.23	SS
PZ-201A-SS	5/06/2008	479.76	39.27	440.49	SS
PZ-201A-SS	11/03/2008	479.76	43.95	435.81	SS
PZ-201A-SS	5/05/2009	479.76	49.68	430.08	SS
PZ-201A-SS	11/02/2009	479.76	50.73	429.03	SS
PZ-201A-SS	5/18/2010	479.76	51.24	428.52	SS
PZ-201A-SS	11/09/2010	479.76	53.31	426.45	SS
PZ-201A-SS	5/09/2011	479.76	45.66	434.10	SS
PZ-201A-SS	11/16/2011	479.76	47.97	431.79	SS
PZ-201A-SS	5/09/2012	481.93	26.14	455.79	SS
PZ-201A-SS	7/30/2012	481.93	35.68	446.25	SS
PZ-201A-SS	11/26/2012	481.93	23.32	458.61	SS
PZ-201A-SS	4/02/2013	481.93	14.52	467.41	SS
PZ-201A-SS	4/12/2013	481.93	12.39	469.54	SS
PZ-201A-SS	7/08/2013	481.93	12.73	469.20	SS
PZ-201A-SS	9/30/2013	481.93	14.08	467.85	SS
PZ-201A-SS	5/27/2014	481.93	9.02	472.91	SS
PZ-201A-SS	9/22/2014	481.93	9.66	472.27	SS
PZ-201A-SS	11/18/2014	481.93	10.50	471.43	SS
PZ-201A-SS	2/02/2015	481.93	10.42	471.51	SS
PZ-201A-SS	5/12/2015	481.93	10.12	471.81	SS
PZ-201A-SS	8/17/2015	481.93	7.89	474.04	SS
PZ-201A-SS	11/16/2015	481.93	10.14	471.79	SS
PZ-201A-SS	2/29/2016	481.93	9.69	472.24	SS
PZ-201A-SS	5/31/2016	481.93	9.61	472.32	SS
PZ-201A-SS	8/22/2016	481.93	10.03	471.90	SS
PZ-201A-SS	11/07/2016	481.93	11.82	470.11	SS
PZ-201A-SS	2/06/2017	481.93	12.75	469.18	SS
PZ-201A-SS	5/01/2017	481.93	11.75	470.18	SS
PZ-201A-SS	8/28/2017	481.93	11.68	470.25	SS
PZ-201A-SS	11/02/2017	481.93	12.59	469.34	SS
PZ-201A-SS	2/14/2018	481.93	14.38	467.55	SS
PZ-201A-SS	8/06/2018	481.93	14.55	467.38	SS
PZ-201A-SS	11/13/2018	481.93	13.50	468.43	SS
PZ-202-SS	7/12/1996	480.77	33.40	447.37	SS
PZ-202-SS	8/08/1996	480.77	33.21	447.56	SS
PZ-202-SS	9/06/1996	480.77	33.81	446.96	SS
PZ-202-SS	2/04/1997	480.77	32.56	448.21	SS
PZ-202-SS	5/09/1997	480.77	30.04	450.73	SS
PZ-202-SS	8/11/1997	480.77	31.55	449.22	SS
PZ-202-SS	11/06/1997	480.77	31.54	449.23	SS
PZ-202-SS	2/09/1998	480.77	29.33	451.44	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-202-SS	5/26/1998	480.77	25.69	455.08	SS
PZ-202-SS	11/09/1998	480.77	26.48	454.29	SS
PZ-202-SS	11/19/1999	480.77	27.31	453.46	SS
PZ-202-SS	5/22/2000	480.77	25.21	455.56	SS
PZ-202-SS	5/16/2001	480.77	24.11	456.66	SS
PZ-202-SS	5/20/2002	480.77	16.51	464.26	SS
PZ-202-SS	11/18/2002	480.77	19.51	461.26	SS
PZ-202-SS	5/27/2003	480.77	20.35	460.42	SS
PZ-202-SS	11/19/2003	480.77	16.98	463.79	SS
PZ-202-SS	5/10/2004	480.77	16.93	463.84	SS
PZ-202-SS	11/16/2004	480.77	16.78	463.99	SS
PZ-202-SS	5/23/2005	480.77	17.85	462.92	SS
PZ-202-SS	11/17/2005	480.77	15.78	464.99	SS
PZ-202-SS	5/31/2006	480.77	22.98	457.79	SS
PZ-202-SS	11/30/2006	480.77	23.83	456.94	SS
PZ-202-SS	5/31/2007	480.77	22.32	458.45	SS
PZ-202-SS	11/06/2007	480.77	24.94	455.83	SS
PZ-202-SS	5/06/2008	480.77	20.92	459.85	SS
PZ-202-SS	11/03/2008	480.77	19.00	461.77	SS
PZ-202-SS	5/05/2009	480.77	18.92	461.85	SS
PZ-202-SS	11/02/2009	480.77	19.09	461.68	SS
PZ-202-SS	5/18/2010	480.77	20.22	460.55	SS
PZ-202-SS	11/09/2010	480.77	22.31	458.46	SS
PZ-202-SS	5/09/2011	480.77	18.69	462.08	SS
PZ-202-SS	11/16/2011	480.77	20.52	460.25	SS
PZ-202-SS	5/09/2012	481.42	15.44	465.98	SS
PZ-202-SS	7/30/2012	481.42	18.58	462.84	SS
PZ-202-SS	11/26/2012	481.42	17.50	463.92	SS
PZ-202-SS	4/02/2013	481.42	14.88	466.54	SS
PZ-202-SS	4/12/2013	481.42	14.08	467.34	SS
PZ-202-SS	7/08/2013	481.42	16.04	465.38	SS
PZ-202-SS	9/30/2013	481.42	16.29	465.13	SS
PZ-202-SS	5/27/2014	481.42	12.84	468.58	SS
PZ-202-SS	9/22/2014	481.42	12.77	468.65	SS
PZ-202-SS	11/18/2014	481.42	12.76	468.66	SS
PZ-202-SS	2/02/2015	481.42	12.50	468.92	SS
PZ-202-SS	5/12/2015	481.42	12.00	469.42	SS
PZ-202-SS	8/17/2015	481.42	11.22	470.20	SS
PZ-202-SS	11/16/2015	481.42	12.55	468.87	SS
PZ-202-SS	2/29/2016	481.42	11.65	469.77	SS
PZ-202-SS	5/31/2016	481.42	11.10	470.32	SS
PZ-202-SS	8/22/2016	481.42	11.43	469.99	SS
PZ-202-SS	11/07/2016	481.42	11.44	469.98	SS
PZ-202-SS	2/06/2017	481.42	12.14	469.28	SS
PZ-202-SS	5/01/2017	481.42	10.45	470.97	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-202-SS	8/28/2017	481.42	12.40	469.02	SS
PZ-202-SS	11/02/2017	481.42	13.04	468.38	SS
PZ-202-SS	2/14/2018	481.42	14.05	467.37	SS
PZ-202-SS	8/06/2018	481.42	13.42	468.00	SS
PZ-202-SS	11/13/2018	481.42	12.22	469.20	SS
PZ-203-SS	6/26/1995	486.19	111.31	374.88	SS
PZ-203-SS	6/27/1995	486.19	111.29	374.90	SS
PZ-203-SS	7/10/1995	486.19	111.05	375.14	SS
PZ-203-SS	7/26/1995	486.19	486.59	-0.40	SS
PZ-203-SS	8/04/1995	486.19	486.59	-0.40	SS
PZ-203-SS	8/26/1995	486.19	486.59	-0.40	SS
PZ-203-SS	9/30/1995	486.19	486.59	-0.40	SS
PZ-203-SS	10/28/1995	486.19	486.59	-0.40	SS
PZ-203-SS	11/18/1995	486.19	486.59	-0.40	SS
PZ-203-SS	12/13/1995	486.19	486.59	-0.40	SS
PZ-203-SS	1/04/1996	486.19	486.59	-0.40	SS
PZ-203-SS	2/06/1996	486.19	486.59	-0.40	SS
PZ-203-SS	3/05/1996	486.19	486.59	-0.40	SS
PZ-203-SS	4/02/1996	486.19	486.59	-0.40	SS
PZ-203-SS	4/30/1996	486.19	106.86	379.33	SS
PZ-203-SS	5/01/1996	486.19	107.29	378.90	SS
PZ-203-SS	5/02/1996	486.19	108.32	377.87	SS
PZ-203-SS	5/03/1996	486.19	109.06	377.13	SS
PZ-203-SS	6/13/1996	486.19	107.58	378.61	SS
PZ-203-SS	7/12/1996	486.19	111.10	375.09	SS
PZ-203-SS	8/08/1996	486.19	111.07	375.12	SS
PZ-203-SS	9/06/1996	486.19	111.13	375.06	SS
PZ-203-SS	2/04/1997	486.19	100.73	385.46	SS
PZ-203-SS	5/09/1997	486.19	104.81	381.38	SS
PZ-203-SS	8/11/1997	486.19	91.48	394.71	SS
PZ-203-SS	11/06/1997	486.19	86.27	399.92	SS
PZ-203-SS	2/10/1998	486.19	81.73	404.46	SS
PZ-203-SS	5/26/1998	486.19	78.76	407.43	SS
PZ-203-SS	11/09/1998	486.19	78.25	407.94	SS
PZ-203-SS	5/14/1999	486.19	61.40	424.79	SS
PZ-203-SS	11/19/1999	486.19	66.38	419.81	SS
PZ-203-SS	5/22/2000	486.19	72.51	413.68	SS
PZ-203-SS	5/20/2002	486.19	40.41	445.78	SS
PZ-203-SS	11/18/2002	486.19	48.09	438.10	SS
PZ-203-SS	5/27/2003	486.19	60.82	425.37	SS
PZ-203-SS	11/19/2003	486.19	36.95	449.24	SS
PZ-203-SS	5/10/2004	486.19	37.85	448.34	SS
PZ-203-SS	11/16/2004	486.19	35.55	450.64	SS
PZ-203-SS	5/23/2005	486.19	38.50	447.69	SS
PZ-203-SS	11/17/2005	486.19	35.46	450.73	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-203-SS	5/31/2006	486.19	53.70	432.49	SS
PZ-203-SS	11/30/2006	486.19	43.15	443.04	SS
PZ-203-SS	5/31/2007	486.19	51.40	434.79	SS
PZ-203-SS	11/06/2007	486.19	57.08	429.11	SS
PZ-203-SS	5/06/2008	486.19	48.23	437.96	SS
PZ-203-SS	11/03/2008	486.19	49.83	436.36	SS
PZ-203-SS	5/05/2009	486.19	48.58	437.61	SS
PZ-203-SS	11/02/2009	486.19	44.06	442.13	SS
PZ-203-SS	5/18/2010	486.19	45.22	440.97	SS
PZ-203-SS	11/09/2010	486.19	46.28	439.91	SS
PZ-203-SS	5/09/2011	486.19	58.19	428.00	SS
PZ-203-SS	11/16/2011	486.19	32.46	453.73	SS
PZ-203-SS	5/09/2012	486.78	28.19	458.59	SS
PZ-203-SS	7/30/2012	486.78	28.55	458.23	SS
PZ-203-SS	11/26/2012	486.78	27.94	458.84	SS
PZ-203-SS	4/02/2013	486.78	25.68	461.10	SS
PZ-203-SS	4/12/2013	486.78	24.94	461.84	SS
PZ-203-SS	7/08/2013	486.78	25.58	461.20	SS
PZ-203-SS	9/30/2013	486.78	25.98	460.80	SS
PZ-203-SS	5/27/2014	486.78	25.57	461.21	SS
PZ-203-SS	9/22/2014	486.78	26.71	460.07	SS
PZ-203-SS	11/18/2014	486.78	26.39	460.39	SS
PZ-203-SS	2/02/2015	486.78	25.58	461.20	SS
PZ-203-SS	5/12/2015	486.78	25.01	461.77	SS
PZ-203-SS	8/17/2015	486.78	25.99	460.79	SS
PZ-203-SS	11/16/2015	486.78	25.61	461.17	SS
PZ-203-SS	2/29/2016	486.78	24.98	461.80	SS
PZ-203-SS	5/31/2016	486.78	24.49	462.29	SS
PZ-203-SS	8/22/2016	486.78	25.02	461.76	SS
PZ-203-SS	11/07/2016	486.78	24.76	462.02	SS
PZ-203-SS	2/06/2017	486.78	25.05	461.73	SS
PZ-203-SS	5/01/2017	486.78	23.99	462.79	SS
PZ-203-SS	8/28/2017	486.78	24.85	461.93	SS
PZ-203-SS	11/02/2017	486.78	24.98	461.80	SS
PZ-203-SS	2/14/2018	486.78	25.89	460.89	SS
PZ-203-SS	8/06/2018	486.78	25.83	460.95	SS
PZ-203-SS	11/13/2018	486.78	26.06	460.72	SS
PZ-204A-SS	7/06/1995	467.76	62.09	405.67	SS
PZ-204A-SS	7/10/1995	467.76	68.60	399.16	SS
PZ-204A-SS	7/14/1995	467.76	62.39	405.37	SS
PZ-204A-SS	7/26/1995	467.76	62.51	405.25	SS
PZ-204A-SS	8/15/1995	467.76	62.31	405.45	SS
PZ-204A-SS	8/26/1995	467.76	62.63	405.13	SS
PZ-204A-SS	9/30/1995	467.76	64.11	403.65	SS
PZ-204A-SS	10/28/1995	467.76	64.34	403.42	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-204A-SS	11/18/1995	467.76	64.61	403.15	SS
PZ-204A-SS	12/13/1995	467.76	64.71	403.05	SS
PZ-204A-SS	1/04/1996	467.76	64.38	403.38	SS
PZ-204A-SS	2/06/1996	467.76	63.01	404.75	SS
PZ-204A-SS	2/16/1996	467.76	62.78	404.98	SS
PZ-204A-SS	3/05/1996	467.76	63.01	404.75	SS
PZ-204A-SS	4/02/1996	467.76	62.70	405.06	SS
PZ-204A-SS	4/30/1996	467.76	61.73	406.03	SS
PZ-204A-SS	5/01/1996	467.76	61.49	406.27	SS
PZ-204A-SS	5/02/1996	467.76	61.45	406.31	SS
PZ-204A-SS	5/03/1996	467.76	61.47	406.29	SS
PZ-204A-SS	6/13/1996	467.76	62.09	405.67	SS
PZ-204A-SS	7/12/1996	467.76	62.63	405.13	SS
PZ-204A-SS	8/08/1996	467.76	63.62	404.14	SS
PZ-204A-SS	8/22/1996	467.76	64.09	403.67	SS
PZ-204A-SS	9/06/1996	467.76	64.75	403.01	SS
PZ-204A-SS	2/03/1997	467.76	64.58	403.18	SS
PZ-204A-SS	5/09/1997	467.76	63.51	404.25	SS
PZ-204A-SS	8/11/1997	467.76	82.99	384.77	SS
PZ-204A-SS	11/06/1997	467.76	63.36	404.40	SS
PZ-204A-SS	2/09/1998	467.76	59.11	408.65	SS
PZ-204A-SS	5/28/1998	467.76	56.01	411.75	SS
PZ-204A-SS	11/09/1998	467.76	56.60	411.16	SS
PZ-204A-SS	5/14/1999	467.76	43.03	424.73	SS
PZ-204A-SS	11/19/1999	467.76	46.74	421.02	SS
PZ-204A-SS	5/22/2000	467.76	54.30	413.46	SS
PZ-204A-SS	5/20/2002	467.76	12.54	455.22	SS
PZ-204A-SS	11/18/2002	467.76	16.04	451.72	SS
PZ-204A-SS	5/27/2003	467.76	17.23	450.53	SS
PZ-204A-SS	11/19/2003	467.76	11.76	456.00	SS
PZ-204A-SS	5/10/2004	467.76	13.33	454.43	SS
PZ-204A-SS	11/16/2004	467.76	7.80	459.96	SS
PZ-204A-SS	5/23/2005	467.76	7.86	459.90	SS
PZ-204A-SS	11/17/2005	467.76	9.27	458.49	SS
PZ-204A-SS	5/31/2006	467.76	15.41	452.35	SS
PZ-204A-SS	11/30/2006	467.76	9.05	458.71	SS
PZ-204A-SS	5/31/2007	467.76	8.79	458.97	SS
PZ-204A-SS	11/06/2007	467.76	9.71	458.05	SS
PZ-204A-SS	5/06/2008	467.76	8.38	459.38	SS
PZ-204A-SS	11/03/2008	467.76	9.42	458.34	SS
PZ-204A-SS	5/05/2009	467.76	31.81	435.95	SS
PZ-204A-SS	11/02/2009	467.76	7.20	460.56	SS
PZ-204A-SS	5/18/2010	467.76	8.75	459.01	SS
PZ-204A-SS	11/09/2010	467.76	12.19	455.57	SS
PZ-204A-SS	5/09/2011	467.76	20.18	447.58	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-204A-SS	11/16/2011	467.76	8.75	459.01	SS
PZ-204A-SS	5/09/2012	467.76	10.79	456.97	SS
PZ-204A-SS	7/30/2012	467.76	12.87	454.89	SS
PZ-204A-SS	11/26/2012	467.76	11.98	455.78	SS
PZ-204A-SS	4/02/2013	467.76	12.32	455.44	SS
PZ-204A-SS	4/12/2013	467.76	10.02	457.74	SS
PZ-204A-SS	7/08/2013	467.76	11.05	456.71	SS
PZ-204A-SS	9/30/2013	467.76	11.19	456.57	SS
PZ-204A-SS	5/27/2014	467.76	4.90	462.86	SS
PZ-204A-SS	9/22/2014	467.76	5.67	462.09	SS
PZ-204A-SS	11/18/2014	467.76	5.53	462.23	SS
PZ-204A-SS	2/02/2015	467.76	5.08	462.68	SS
PZ-204A-SS	5/12/2015	467.76	5.09	462.67	SS
PZ-204A-SS	8/18/2015	467.76	5.18	462.58	SS
PZ-204A-SS	11/16/2015	467.76	5.12	462.64	SS
PZ-204A-SS	2/29/2016	467.76	4.39	463.37	SS
PZ-204A-SS	5/31/2016	467.76	4.04	463.72	SS
PZ-204A-SS	8/22/2016	467.76	4.55	463.21	SS
PZ-204A-SS	11/07/2016	467.76	4.45	463.31	SS
PZ-204A-SS	2/06/2017	467.76	4.66	463.10	SS
PZ-204A-SS	5/01/2017	467.76	3.95	463.81	SS
PZ-204A-SS	8/28/2017	467.76	4.98	462.78	SS
PZ-204A-SS	11/02/2017	467.76	5.17	462.59	SS
PZ-204A-SS	2/14/2018	467.76	5.20	462.56	SS
PZ-204A-SS	8/06/2018	467.76	5.03	462.73	SS
PZ-204A-SS	11/13/2018	467.76	4.93	462.83	SS
PZ-204-SS	3/25/1995	469.23	27.26	441.97	SS
PZ-204-SS	4/09/1995	469.23	27.46	441.77	SS
PZ-204-SS	5/06/1995	469.23	27.62	441.61	SS
PZ-204-SS	5/15/1995	469.23	27.78	441.45	SS
PZ-204-SS	5/24/1995	469.23	26.74	442.49	SS
PZ-204-SS	5/31/1995	469.23	27.09	442.14	SS
PZ-204-SS	6/07/1995	469.23	27.11	442.12	SS
PZ-204-SS	6/13/1995	469.23	27.47	441.76	SS
PZ-204-SS	6/23/1995	469.23	27.35	441.88	SS
PZ-204-SS	6/27/1995	469.23	27.43	441.80	SS
PZ-204-SS	7/10/1995	469.23	27.93	441.30	SS
PZ-204-SS	7/26/1995	469.23	28.76	440.47	SS
PZ-204-SS	8/14/1995	469.23	30.25	438.98	SS
PZ-204-SS	8/26/1995	469.23	32.15	437.08	SS
PZ-204-SS	9/30/1995	469.23	37.81	431.42	SS
PZ-204-SS	10/28/1995	469.23	39.99	429.24	SS
PZ-204-SS	11/18/1995	469.23	39.06	430.17	SS
PZ-204-SS	12/13/1995	469.23	39.92	429.31	SS
PZ-204-SS	1/04/1996	469.23	38.05	431.18	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-204-SS	2/06/1996	469.23	28.80	440.43	SS
PZ-204-SS	3/05/1996	469.23	29.89	439.34	SS
PZ-204-SS	4/02/1996	469.23	29.61	439.62	SS
PZ-204-SS	4/30/1996	469.23	28.45	440.78	SS
PZ-204-SS	5/01/1996	469.23	28.50	440.73	SS
PZ-204-SS	5/02/1996	469.23	28.44	440.79	SS
PZ-204-SS	5/03/1996	469.23	28.44	440.79	SS
PZ-204-SS	6/13/1996	469.23	28.18	441.05	SS
PZ-204-SS	7/12/1996	469.23	29.40	439.83	SS
PZ-204-SS	8/08/1996	469.23	35.35	433.88	SS
PZ-204-SS	9/06/1996	469.23	41.33	427.90	SS
PZ-204-SS	2/03/1997	469.23	42.54	426.69	SS
PZ-204-SS	5/09/1997	469.23	36.40	432.83	SS
PZ-204-SS	8/11/1997	469.23	57.74	411.49	SS
PZ-204-SS	11/06/1997	469.23	42.85	426.38	SS
PZ-204-SS	2/10/1998	469.23	35.11	434.12	SS
PZ-204-SS	11/09/1998	469.23	29.00	440.23	SS
PZ-204-SS	5/14/1999	469.23	21.22	448.01	SS
PZ-204-SS	11/19/1999	469.23	27.03	442.20	SS
PZ-204-SS	5/22/2000	469.23	21.94	447.29	SS
PZ-204-SS	5/20/2002	469.23	20.91	448.32	SS
PZ-204-SS	11/18/2002	469.23	26.26	442.97	SS
PZ-204-SS	5/27/2003	469.23	41.63	427.60	SS
PZ-204-SS	11/19/2003	469.23	17.35	451.88	SS
PZ-204-SS	5/10/2004	469.23	21.10	448.13	SS
PZ-204-SS	11/16/2004	469.23	17.30	451.93	SS
PZ-204-SS	5/23/2005	469.23	18.60	450.63	SS
PZ-204-SS	11/17/2005	469.23	15.91	453.32	SS
PZ-204-SS	5/31/2006	469.23	33.51	435.72	SS
PZ-204-SS	11/30/2006	469.23	24.60	444.63	SS
PZ-204-SS	5/31/2007	469.23	32.65	436.58	SS
PZ-204-SS	11/06/2007	469.23	38.10	431.13	SS
PZ-204-SS	5/06/2008	469.23	29.75	439.48	SS
PZ-204-SS	11/03/2008	469.23	27.21	442.02	SS
PZ-204-SS	5/05/2009	469.23	9.87	459.36	SS
PZ-204-SS	11/02/2009	469.23	30.68	438.55	SS
PZ-204-SS	5/18/2010	469.23	33.04	436.19	SS
PZ-204-SS	11/09/2010	469.23	32.87	436.36	SS
PZ-204-SS	5/09/2011	469.23	45.19	424.04	SS
PZ-204-SS	11/16/2011	469.23	19.29	449.94	SS
PZ-204-SS	5/09/2012	464.88	2.27	462.61	SS
PZ-204-SS	7/30/2012	464.88	13.34	451.54	SS
PZ-204-SS	11/26/2012	464.88	11.30	453.58	SS
PZ-204-SS	4/02/2013	464.88	5.44	459.44	SS
PZ-204-SS	4/12/2013	464.88	6.76	458.12	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-204-SS	7/08/2013	464.88	8.45	456.43	SS
PZ-204-SS	9/30/2013	464.88	8.01	456.87	SS
PZ-204-SS	5/27/2014	464.88	9.44	455.44	SS
PZ-204-SS	9/22/2014	464.88	9.08	455.80	SS
PZ-204-SS	11/18/2014	464.88	9.57	455.31	SS
PZ-204-SS	2/02/2015	464.88	7.19	457.69	SS
PZ-204-SS	5/12/2015	464.88	6.00	458.88	SS
PZ-204-SS	8/17/2015	464.88	10.27	454.61	SS
PZ-204-SS	11/16/2015	464.88	7.15	457.73	SS
PZ-204-SS	2/29/2016	464.88	7.33	457.55	SS
PZ-204-SS	5/31/2016	464.88	7.62	457.26	SS
PZ-204-SS	8/22/2016	464.88	8.12	456.76	SS
PZ-204-SS	11/07/2016	464.88	7.93	456.95	SS
PZ-204-SS	2/06/2017	464.88	8.98	455.90	SS
PZ-204-SS	5/01/2017	464.88	8.33	456.55	SS
PZ-204-SS	8/28/2017	464.88	8.65	456.23	SS
PZ-204-SS	11/02/2017	464.88	8.72	456.16	SS
PZ-204-SS	2/14/2018	464.88	9.09	455.79	SS
PZ-204-SS	8/06/2018	464.88	9.55	455.33	SS
PZ-204-SS	11/13/2018	464.88	8.91	455.97	SS
PZ-205-SS	5/23/1995	461.38	34.42	426.96	SS
PZ-205-SS	6/06/1995	461.38	34.06	427.32	SS
PZ-205-SS	6/09/1995	461.38	26.59	434.79	SS
PZ-205-SS	6/16/1995	461.38	36.81	424.57	SS
PZ-205-SS	6/27/1995	461.38	37.32	424.06	SS
PZ-205-SS	7/10/1995	461.38	37.56	423.82	SS
PZ-205-SS	7/26/1995	461.38	37.74	423.64	SS
PZ-205-SS	8/15/1995	461.38	47.65	413.73	SS
PZ-205-SS	8/26/1995	461.38	38.22	423.16	SS
PZ-205-SS	9/30/1995	461.38	40.03	421.35	SS
PZ-205-SS	10/28/1995	461.38	40.09	421.29	SS
PZ-205-SS	11/18/1995	461.38	40.50	420.88	SS
PZ-205-SS	12/15/1995	461.38	41.28	420.10	SS
PZ-205-SS	1/04/1996	461.38	41.50	419.88	SS
PZ-205-SS	2/06/1996	461.38	41.85	419.53	SS
PZ-205-SS	3/05/1996	461.38	42.68	418.70	SS
PZ-205-SS	4/02/1996	461.38	42.67	418.71	SS
PZ-205-SS	4/30/1996	461.38	42.11	419.27	SS
PZ-205-SS	5/01/1996	461.38	41.93	419.45	SS
PZ-205-SS	5/02/1996	461.38	41.80	419.58	SS
PZ-205-SS	5/03/1996	461.38	41.65	419.73	SS
PZ-205-SS	6/13/1996	461.38	38.53	422.85	SS
PZ-205-SS	7/12/1996	461.38	38.81	422.57	SS
PZ-205-SS	8/08/1996	461.38	39.22	422.16	SS
PZ-205-SS	9/06/1996	461.38	38.72	422.66	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-205-SS	2/03/1997	461.38	40.36	421.02	SS
PZ-205-SS	5/09/1997	461.38	38.25	423.13	SS
PZ-205-SS	8/11/1997	461.38	39.69	421.69	SS
PZ-205-SS	11/06/1997	461.38	39.80	421.58	SS
PZ-205-SS	2/09/1998	461.38	38.88	422.50	SS
PZ-205-SS	5/26/1998	461.38	36.59	424.79	SS
PZ-205-SS	11/09/1998	461.38	36.34	425.04	SS
PZ-205-SS	5/14/1999	461.38	31.99	429.39	SS
PZ-205-SS	5/22/2000	461.38	37.33	424.05	SS
PZ-205-SS	11/07/2001	461.38	31.81	429.57	SS
PZ-205-SS	5/20/2002	461.38	27.54	433.84	SS
PZ-205-SS	11/18/2002	461.38	32.53	428.85	SS
PZ-205-SS	5/27/2003	461.38	36.51	424.87	SS
PZ-205-SS	11/19/2003	461.38	31.44	429.94	SS
PZ-205-SS	5/10/2004	461.38	31.70	429.68	SS
PZ-205-SS	11/16/2004	461.38	31.00	430.38	SS
PZ-205-SS	5/23/2005	461.38	36.90	424.48	SS
PZ-205-SS	11/17/2005	461.38	31.40	429.98	SS
PZ-205-SS	5/31/2006	461.38	41.41	419.97	SS
PZ-205-SS	11/30/2006	461.38	40.70	420.68	SS
PZ-205-SS	5/31/2007	461.38	37.55	423.83	SS
PZ-205-SS	11/06/2007	461.38	40.13	421.25	SS
PZ-205-SS	5/06/2008	461.38	33.68	427.70	SS
PZ-205-SS	11/03/2008	461.38	34.30	427.08	SS
PZ-205-SS	5/05/2009	461.38	35.57	425.81	SS
PZ-205-SS	11/02/2009	461.38	34.75	426.63	SS
PZ-205-SS	5/18/2010	461.38	35.34	426.04	SS
PZ-205-SS	11/09/2010	461.38	36.17	425.21	SS
PZ-205-SS	5/09/2011	461.38	31.16	430.22	SS
PZ-205-SS	11/16/2011	461.38	33.50	427.88	SS
PZ-205-SS	5/09/2012	461.87	27.91	433.96	SS
PZ-205-SS	7/30/2012	461.87	32.05	429.82	SS
PZ-205-SS	11/26/2012	461.87	32.64	429.23	SS
PZ-205-SS	4/02/2013	461.87	31.56	430.31	SS
PZ-205-SS	4/12/2013	461.87	31.02	430.85	SS
PZ-205-SS	7/08/2013	461.87	26.29	435.58	SS
PZ-205-SS	9/30/2013	461.87	27.37	434.50	SS
PZ-205-SS	5/27/2014	461.87	27.15	434.72	SS
PZ-205-SS	9/22/2014	461.87	30.10	431.77	SS
PZ-205-SS	11/18/2014	461.87	29.41	432.46	SS
PZ-205-SS	2/02/2015	461.87	30.72	431.15	SS
PZ-205-SS	5/12/2015	461.87	31.20	430.67	SS
PZ-205-SS	8/18/2015	461.87	27.71	434.16	SS
PZ-205-SS	11/16/2015	461.87	30.90	430.97	SS
PZ-205-SS	2/29/2016	461.87	28.99	432.88	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-205-SS	5/31/2016	461.87	29.07	432.80	SS
PZ-205-SS	8/22/2016	461.87	29.52	432.35	SS
PZ-205-SS	11/07/2016	461.87	30.20	431.67	SS
PZ-205-SS	2/06/2017	461.87	32.19	429.68	SS
PZ-205-SS	5/01/2017	461.87	30.54	431.33	SS
PZ-205-SS	8/28/2017	461.87	29.65	432.22	SS
PZ-205-SS	11/02/2017	461.87	30.95	430.92	SS
PZ-205-SS	2/14/2018	461.87	33.51	428.36	SS
PZ-205-SS	8/06/2018	461.87	31.41	430.46	SS
PZ-205-SS	11/13/2018	461.87	30.28	431.59	SS
PZ-206-SS	4/09/1995	459.80	29.20	430.60	SS
PZ-206-SS	4/21/1995	459.80	29.41	430.39	SS
PZ-206-SS	5/05/1995	459.80	44.62	415.18	SS
PZ-206-SS	5/16/1995	459.80	42.73	417.07	SS
PZ-206-SS	5/24/1995	459.80	40.71	419.09	SS
PZ-206-SS	5/31/1995	459.80	40.11	419.69	SS
PZ-206-SS	6/07/1995	459.80	39.75	420.05	SS
PZ-206-SS	7/10/1995	459.80	40.63	419.17	SS
PZ-206-SS	7/26/1995	459.80	41.16	418.64	SS
PZ-206-SS	8/26/1995	459.80	41.98	417.82	SS
PZ-206-SS	9/30/1995	459.80	44.71	415.09	SS
PZ-206-SS	10/28/1995	459.80	44.86	414.94	SS
PZ-206-SS	11/18/1995	459.80	45.01	414.79	SS
PZ-206-SS	1/04/1996	459.80	46.07	413.73	SS
PZ-206-SS	2/06/1996	459.80	46.34	413.46	SS
PZ-206-SS	3/05/1996	459.80	46.67	413.13	SS
PZ-206-SS	4/02/1996	459.80	46.40	413.40	SS
PZ-206-SS	5/01/1996	459.80	45.60	414.20	SS
PZ-206-SS	5/02/1996	459.80	45.49	414.31	SS
PZ-206-SS	5/03/1996	459.80	45.39	414.41	SS
PZ-206-SS	6/13/1996	459.80	40.89	418.91	SS
PZ-206-SS	7/12/1996	459.80	41.31	418.49	SS
PZ-206-SS	8/08/1996	459.80	41.71	418.09	SS
PZ-206-SS	9/06/1996	459.80	41.92	417.88	SS
PZ-206-SS	2/04/1997	459.80	42.56	417.24	SS
PZ-206-SS	5/09/1997	459.80	40.22	419.58	SS
PZ-206-SS	8/11/1997	459.80	41.88	417.92	SS
PZ-206-SS	11/06/1997	459.80	41.15	418.65	SS
PZ-206-SS	2/10/1998	459.80	40.38	419.42	SS
PZ-206-SS	5/26/1998	459.80	38.86	420.94	SS
PZ-206-SS	11/09/1998	459.80	37.74	422.06	SS
PZ-206-SS	5/14/1999	459.80	31.72	428.08	SS
PZ-206-SS	11/19/1999	459.80	36.93	422.87	SS
PZ-206-SS	5/22/2000	459.80	35.20	424.60	SS
PZ-206-SS	5/20/2002	459.80	28.21	431.59	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-206-SS	11/18/2002	459.80	31.59	428.21	SS
PZ-206-SS	5/27/2003	459.80	37.66	422.14	SS
PZ-206-SS	11/19/2003	459.80	29.94	429.86	SS
PZ-206-SS	5/10/2004	459.80	31.50	428.30	SS
PZ-206-SS	11/16/2004	459.80	30.62	429.18	SS
PZ-206-SS	5/23/2005	459.80	38.31	421.49	SS
PZ-206-SS	11/17/2005	459.80	29.60	430.20	SS
PZ-206-SS	5/31/2006	459.80	42.42	417.38	SS
PZ-206-SS	11/30/2006	459.80	35.43	424.37	SS
PZ-206-SS	5/31/2007	459.80	38.83	420.97	SS
PZ-206-SS	11/06/2007	459.80	44.58	415.22	SS
PZ-206-SS	5/06/2008	459.80	37.19	422.61	SS
PZ-206-SS	11/03/2008	459.80	38.30	421.50	SS
PZ-206-SS	5/05/2009	459.80	39.41	420.39	SS
PZ-206-SS	11/02/2009	459.80	39.42	420.38	SS
PZ-206-SS	5/18/2010	459.80	39.52	420.28	SS
PZ-206-SS	11/09/2010	459.80	40.31	419.49	SS
PZ-206-SS	5/09/2011	459.80	34.51	425.29	SS
PZ-206-SS	11/16/2011	459.80	37.75	422.05	SS
PZ-206-SS	5/09/2012	460.39	27.21	433.18	SS
PZ-206-SS	7/30/2012	460.39	35.20	425.19	SS
PZ-206-SS	11/26/2012	460.39	35.67	424.72	SS
PZ-206-SS	4/02/2013	460.39	29.83	430.56	SS
PZ-206-SS	4/12/2013	460.39	29.33	431.06	SS
PZ-206-SS	7/08/2013	460.39	26.64	433.75	SS
PZ-206-SS	9/30/2013	460.39	27.30	433.09	SS
PZ-206-SS	5/27/2014	460.39	29.19	431.20	SS
PZ-206-SS	9/22/2014	460.39	32.11	428.28	SS
PZ-206-SS	11/18/2014	460.39	29.89	430.50	SS
PZ-206-SS	2/02/2015	460.39	30.93	429.46	SS
PZ-206-SS	5/12/2015	460.39	30.48	429.91	SS
PZ-206-SS	8/17/2015	460.39	25.85	434.54	SS
PZ-206-SS	11/16/2015	460.39	29.18	431.21	SS
PZ-206-SS	2/29/2016	460.39	27.10	433.29	SS
PZ-206-SS	5/31/2016	460.39	27.14	433.25	SS
PZ-206-SS	8/22/2016	460.39	27.94	432.45	SS
PZ-206-SS	11/07/2016	460.39	28.75	431.64	SS
PZ-206-SS	2/06/2017	460.39	29.72	430.67	SS
PZ-206-SS	5/01/2017	460.39	28.85	431.54	SS
PZ-206-SS	8/28/2017	460.39	27.73	432.66	SS
PZ-206-SS	11/02/2017	460.39	29.09	431.30	SS
PZ-206-SS	2/14/2018	460.39	31.25	429.14	SS
PZ-206-SS	8/06/2018	460.39	29.34	431.05	SS
PZ-206-SS	11/13/2018	460.39	28.33	432.06	SS
PZ-208-SS	7/11/1995	473.85	37.48	436.37	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-208-SS	8/04/1995	473.85	37.65	436.20	SS
PZ-208-SS	8/26/1995	473.85	38.65	435.20	SS
PZ-208-SS	9/30/1995	473.85	42.62	431.23	SS
PZ-208-SS	10/28/1995	473.85	44.39	429.46	SS
PZ-208-SS	11/18/1995	473.85	45.42	428.43	SS
PZ-208-SS	12/13/1995	473.85	44.28	429.57	SS
PZ-208-SS	1/04/1996	473.85	45.65	428.20	SS
PZ-208-SS	2/06/1996	473.85	45.32	428.53	SS
PZ-208-SS	3/04/1996	473.85	47.84	426.01	SS
PZ-208-SS	4/03/1996	473.85	45.38	428.47	SS
PZ-208-SS	4/30/1996	473.85	41.65	432.20	SS
PZ-208-SS	5/01/1996	473.85	41.58	432.27	SS
PZ-208-SS	5/02/1996	473.85	41.71	432.14	SS
PZ-208-SS	5/03/1996	473.85	41.71	432.14	SS
PZ-208-SS	6/13/1996	473.85	39.61	434.24	SS
PZ-208-SS	7/12/1996	473.85	39.52	434.33	SS
PZ-208-SS	8/08/1996	473.85	39.70	434.15	SS
PZ-208-SS	8/22/1996	473.85	42.03	431.82	SS
PZ-208-SS	9/06/1996	473.85	44.08	429.77	SS
PZ-208-SS	2/04/1997	473.85	41.10	432.75	SS
PZ-208-SS	5/09/1997	473.85	38.82	435.03	SS
PZ-208-SS	8/11/1997	473.85	43.59	430.26	SS
PZ-208-SS	11/06/1997	473.85	42.56	431.29	SS
PZ-208-SS	5/26/1998	473.85	32.70	441.15	SS
PZ-208-SS	11/09/1998	473.85	32.77	441.08	SS
PZ-208-SS	5/22/2000	473.85	31.24	442.61	SS
PZ-208-SS	5/20/2002	473.85	23.18	450.67	SS
PZ-208-SS	11/18/2002	473.85	26.89	446.96	SS
PZ-208-SS	5/27/2003	473.85	28.95	444.90	SS
PZ-208-SS	11/19/2003	473.85	24.46	449.39	SS
PZ-208-SS	5/10/2004	473.85	26.42	447.43	SS
PZ-208-SS	11/16/2004	473.85	25.82	448.03	SS
PZ-208-SS	5/23/2005	473.85	26.80	447.05	SS
PZ-208-SS	11/17/2005	473.85	25.42	448.43	SS
PZ-208-SS	5/31/2006	473.85	28.35	445.50	SS
PZ-208-SS	11/30/2006	473.85	26.29	447.56	SS
PZ-208-SS	5/31/2007	473.85	28.42	445.43	SS
PZ-208-SS	11/06/2007	473.85	33.54	440.31	SS
PZ-208-SS	5/06/2008	473.85	25.03	448.82	SS
PZ-208-SS	11/03/2008	473.85	26.97	446.88	SS
PZ-208-SS	5/05/2009	473.85	27.01	446.84	SS
PZ-208-SS	11/02/2009	473.85	25.95	447.90	SS
PZ-208-SS	5/18/2010	473.85	28.06	445.79	SS
PZ-208-SS	11/09/2010	473.85	31.49	442.36	SS
PZ-208-SS	5/09/2011	473.85	25.00	448.85	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-208-SS	11/16/2011	473.85	29.06	444.79	SS
PZ-208-SS	5/09/2012	474.79	24.13	450.66	SS
PZ-208-SS	7/30/2012	474.79	27.01	447.78	SS
PZ-208-SS	11/26/2012	474.79	25.33	449.46	SS
PZ-208-SS	4/02/2013	474.79	23.04	451.75	SS
PZ-208-SS	4/12/2013	474.79	22.04	452.75	SS
PZ-208-SS	7/08/2013	474.79	22.57	452.22	SS
PZ-208-SS	9/30/2013	474.79	22.40	452.39	SS
PZ-208-SS	5/27/2014	474.79	21.18	453.61	SS
PZ-208-SS	9/22/2014	474.79	21.88	452.91	SS
PZ-208-SS	11/18/2014	474.79	20.71	454.08	SS
PZ-208-SS	2/02/2015	474.79	20.53	454.26	SS
PZ-208-SS	5/12/2015	474.79	20.17	454.62	SS
PZ-208-SS	8/18/2015	474.79	18.93	455.86	SS
PZ-208-SS	11/16/2015	474.79	19.72	455.07	SS
PZ-208-SS	2/29/2016	474.79	19.25	455.54	SS
PZ-208-SS	5/31/2016	474.79	19.40	455.39	SS
PZ-208-SS	8/22/2016	474.79	19.64	455.15	SS
PZ-208-SS	11/07/2016	474.79	19.75	455.04	SS
PZ-208-SS	2/06/2017	474.79	19.92	454.87	SS
PZ-208-SS	5/01/2017	474.79	17.59	457.20	SS
PZ-208-SS	8/28/2017	474.79	19.69	455.10	SS
PZ-208-SS	11/02/2017	474.79	19.98	454.81	SS
PZ-208-SS	2/14/2018	474.79	20.45	454.34	SS
PZ-208-SS	8/06/2018	474.79	20.31	454.48	SS
PZ-208-SS	11/13/2018	474.79	20.25	454.54	SS
PZ-209-SS	5/27/2014	489.28	23.15	466.13	SS
PZ-209-SS	9/22/2014	489.28	22.56	466.72	SS
PZ-209-SS	11/18/2014	489.28	22.56	466.72	SS
PZ-209-SS	2/02/2015	489.28	22.42	466.86	SS
PZ-209-SS	5/12/2015	489.28	21.96	467.32	SS
PZ-209-SS	8/17/2015	489.28	21.16	468.12	SS
PZ-209-SS	11/16/2015	489.28	22.56	466.72	SS
PZ-209-SS	2/29/2016	489.28	21.59	467.69	SS
PZ-209-SS	5/31/2016	489.28	20.90	468.38	SS
PZ-209-SS	8/22/2016	489.28	21.14	468.14	SS
PZ-209-SS	11/07/2016	489.28	21.55	467.73	SS
PZ-209-SS	2/06/2017	489.28	21.98	467.30	SS
PZ-209-SS	5/01/2017	489.28	20.94	468.34	SS
PZ-209-SS	8/28/2017	489.28	22.09	467.19	SS
PZ-209-SS	11/02/2017	489.28	23.93	465.35	SS
PZ-209-SS	2/14/2018	489.28	24.85	464.43	SS
PZ-209-SS	8/06/2018	489.28	24.31	464.97	SS
PZ-209-SS	11/13/2018	489.28	23.72	465.56	SS
PZ-210-SS	5/27/2014	486.50	26.20	460.30	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-210-SS	9/22/2014	486.50	27.10	459.40	SS
PZ-210-SS	11/18/2014	486.50	27.02	459.48	SS
PZ-210-SS	2/02/2015	486.50	26.40	460.10	SS
PZ-210-SS	5/12/2015	486.50	25.67	460.83	SS
PZ-210-SS	8/17/2015	486.50	25.97	460.53	SS
PZ-210-SS	11/16/2015	486.50	26.45	460.05	SS
PZ-210-SS	2/29/2016	486.50	25.60	460.90	SS
PZ-210-SS	5/31/2016	486.50	24.86	461.64	SS
PZ-210-SS	8/22/2016	486.50	25.12	461.38	SS
PZ-210-SS	11/07/2016	486.50	25.11	461.39	SS
PZ-210-SS	2/06/2017	486.50	25.60	460.90	SS
PZ-210-SS	5/01/2017	486.50	24.59	461.91	SS
PZ-210-SS	8/28/2017	486.50	25.95	460.55	SS
PZ-210-SS	11/02/2017	486.50	26.12	460.38	SS
PZ-210-SS	2/14/2018	486.50	26.84	459.66	SS
PZ-210-SS	8/06/2018	486.50	27.69	458.81	SS
PZ-210-SS	11/13/2018	486.50	26.49	460.01	SS
PZ-211-SS	5/27/2014	487.01	21.55	465.46	SS
PZ-211-SS	9/22/2014	487.01	21.03	465.98	SS
PZ-211-SS	11/18/2014	487.01	21.05	465.96	SS
PZ-211-SS	2/02/2015	487.01	20.85	466.16	SS
PZ-211-SS	5/12/2015	487.01	20.35	466.66	SS
PZ-211-SS	8/17/2015	487.01	19.60	467.41	SS
PZ-211-SS	11/16/2015	487.01	21.13	465.88	SS
PZ-211-SS	2/29/2016	487.01	20.04	466.97	SS
PZ-211-SS	5/31/2016	487.01	19.36	467.65	SS
PZ-211-SS	8/22/2016	487.01	19.57	467.44	SS
PZ-211-SS	11/07/2016	487.01	20.04	466.97	SS
PZ-211-SS	2/06/2017	487.01	20.36	466.65	SS
PZ-211-SS	5/01/2017	487.01	19.44	467.57	SS
PZ-211-SS	8/28/2017	487.01	20.41	466.60	SS
PZ-211-SS	11/02/2017	487.01	23.65	463.36	SS
PZ-211-SS	2/14/2018	487.01	23.55	463.46	SS
PZ-211-SS	8/06/2018	487.01	23.10	463.91	SS
PZ-211-SS	11/13/2018	487.01	22.56	464.45	SS
PZ-212-SS	5/27/2014	482.39	14.55	467.84	SS
PZ-212-SS	9/22/2014	482.39	14.31	468.08	SS
PZ-212-SS	11/18/2014	482.39	14.43	467.96	SS
PZ-212-SS	2/02/2015	482.39	11.38	471.01	SS
PZ-212-SS	5/12/2015	482.39	13.38	469.01	SS
PZ-212-SS	8/17/2015	482.39	11.22	471.17	SS
PZ-212-SS	11/16/2015	482.39	12.94	469.45	SS
PZ-212-SS	2/29/2016	482.39	9.21	473.18	SS
PZ-212-SS	5/31/2016	482.39	8.74	473.65	SS
PZ-212-SS	8/22/2016	482.39	10.72	471.67	SS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-212-SS	11/07/2016	482.39	10.24	472.15	SS
PZ-212-SS	2/06/2017	482.39	11.39	471.00	SS
PZ-212-SS	5/01/2017	482.39	7.40	474.99	SS
PZ-212-SS	8/28/2017	482.39	13.65	468.74	SS
PZ-212-SS	11/02/2017	482.39	15.64	466.75	SS
PZ-212-SS	2/14/2018	482.39	16.70	465.69	SS
PZ-212-SS	8/06/2018	482.39	15.97	466.42	SS
PZ-212-SS	11/13/2018	482.39	15.47	466.92	SS
PZ-300-SS	1/04/1996	449.20	22.10	427.10	SS
PZ-300-SS	4/03/1996	449.20	23.02	426.18	SS
PZ-301-SS	1/04/1996	514.31	119.06	395.25	SS
PZ-301-SS	4/03/1996	514.31	94.54	419.77	SS
PZ-301-SS	7/12/1996	514.31	85.95	428.36	SS
PZ-301-SS	9/06/1996	514.31	150.39	363.92	SS
MW-1204	4/15/1990	485.23	206.82	278.41	SD
MW-1204	5/12/1993	485.23	189.85	295.38	SD
MW-1204	5/13/1993	485.23	189.80	295.43	SD
MW-1204	5/21/1993	485.23	188.24	296.99	SD
MW-1204	5/24/1993	485.23	172.96	312.27	SD
MW-1204	5/26/1993	485.23	174.32	310.91	SD
MW-1204	6/15/1993	485.23	190.78	294.45	SD
MW-1204	4/26/1995	485.23	169.74	315.49	SD
MW-1204	5/07/1995	485.23	166.28	318.95	SD
MW-1204	6/07/1995	485.23	148.28	336.95	SD
MW-1204	6/27/1995	485.23	151.80	333.43	SD
MW-1204	7/10/1995	485.23	149.44	335.79	SD
MW-1204	7/26/1995	485.23	155.62	329.61	SD
MW-1204	8/15/1995	485.23	128.36	356.87	SD
MW-1204	9/30/1995	485.23	180.06	305.17	SD
MW-1204	10/28/1995	485.23	161.28	323.95	SD
MW-1204	11/18/1995	485.23	182.40	302.83	SD
MW-1204	12/15/1995	485.23	176.34	308.89	SD
MW-1204	1/04/1996	485.23	178.62	306.61	SD
MW-1204	2/06/1996	485.23	129.06	356.17	SD
MW-1204	3/05/1996	485.23	166.60	318.63	SD
MW-1204	4/02/1996	485.23	153.07	332.16	SD
MW-1204	4/30/1996	485.23	143.70	341.53	SD
MW-1204	5/01/1996	485.23	141.46	343.77	SD
MW-1204	5/02/1996	485.23	141.03	344.20	SD
MW-1204	5/03/1996	485.23	141.26	343.97	SD
MW-1204	6/13/1996	485.23	125.28	359.95	SD
MW-1204	7/12/1996	485.23	152.69	332.54	SD
MW-1204	8/08/1996	485.23	132.50	352.73	SD
MW-1204	9/06/1996	485.23	157.19	328.04	SD
MW-1204	2/04/1997	485.23	141.66	343.57	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
MW-1204	5/09/1997	485.23	146.22	339.01	SD
MW-1204	8/11/1997	485.23	135.61	349.62	SD
MW-1204	8/21/1997	485.23	148.80	336.43	SD
MW-1204	11/06/1997	485.23	139.15	346.08	SD
MW-1204	11/25/1997	485.23	101.77	383.46	SD
MW-1204	2/09/1998	485.23	130.13	355.10	SD
MW-1204	5/26/1998	485.23	130.36	354.87	SD
MW-1204	11/09/1998	485.23	95.77	389.46	SD
MW-1204	5/14/1999	485.23	68.13	417.10	SD
MW-1204	11/19/1999	485.23	113.89	371.34	SD
MW-1204	5/20/2002	485.23	47.55	437.68	SD
MW-1204	11/18/2002	485.23	92.94	392.29	SD
MW-1204	5/27/2003	485.23	102.53	382.70	SD
MW-1204	11/19/2003	485.23	45.40	439.83	SD
MW-1204	5/10/2004	485.23	47.73	437.50	SD
MW-1204	11/16/2004	485.23	44.18	441.05	SD
MW-1204	5/23/2005	485.23	45.90	439.33	SD
MW-1204	11/17/2005	485.23	37.59	447.64	SD
MW-1204	5/31/2006	485.23	68.44	416.79	SD
MW-1204	11/30/2006	485.23	49.40	435.83	SD
MW-1204	5/31/2007	485.23	71.25	413.98	SD
MW-1204	11/06/2007	485.23	76.13	409.10	SD
MW-1204	5/06/2008	485.23	74.55	410.68	SD
MW-1204	11/03/2008	485.23	61.90	423.33	SD
MW-1204	5/05/2009	485.23	78.48	406.75	SD
MW-1204	11/02/2009	485.23	76.05	409.18	SD
MW-1204	5/18/2010	485.23	78.79	406.44	SD
MW-1204	11/09/2010	485.23	73.78	411.45	SD
MW-1204	5/09/2011	485.23	46.61	438.62	SD
MW-1204	11/16/2011	485.23	42.15	443.08	SD
MW-1204	5/09/2012	485.36	32.47	452.89	SD
MW-1204	7/30/2012	485.36	33.43	451.93	SD
MW-1204	8/02/2012	485.36	33.13	452.23	SD
MW-1204	11/26/2012	485.36	33.51	451.85	SD
MW-1204	4/02/2013	485.36	28.07	457.29	SD
MW-1204	4/12/2013	485.36	27.84	457.52	SD
MW-1204	4/12/2013	485.36	29.05	456.31	SD
MW-1204	7/08/2013	485.36	27.70	457.66	SD
MW-1204	7/11/2013	485.36	27.60	457.76	SD
MW-1204	9/30/2013	485.36	25.61	459.75	SD
MW-1204	10/11/2013	485.36	25.09	460.27	SD
MW-1204	5/27/2014	485.36	23.69	461.67	SD
MW-1204	9/22/2014	485.36	23.35	462.01	SD
MW-1204	11/18/2014	485.36	21.85	463.51	SD
MW-1204	2/02/2015	485.36	21.00	464.36	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
MW-1204	5/12/2015	485.36	19.94	465.42	SD
MW-1204	8/17/2015	485.36	16.48	468.88	SD
MW-1204	8/21/2015	485.36	14.25	471.11	SD
MW-1204	11/16/2015	485.36	16.39	468.97	SD
MW-1204	11/23/2015	485.36	16.55	468.81	SD
MW-1204	2/29/2016	485.36	14.40	470.96	SD
MW-1204	3/07/2016	485.36	14.25	471.11	SD
MW-1204	5/31/2016	485.36	5.39	479.97	SD
MW-1204	6/08/2016	485.36	5.59	479.77	SD
MW-1204	8/22/2016	485.36	7.55	477.81	SD
MW-1204	9/01/2016	485.36	7.55	477.81	SD
MW-1204	11/07/2016	485.36	8.77	476.59	SD
MW-1204	11/15/2016	485.36	8.55	476.81	SD
MW-1204	2/06/2017	485.36	10.12	475.24	SD
MW-1204	2/16/2017	485.36	8.55	476.81	SD
MW-1204	5/01/2017	485.36	9.58	475.78	SD
MW-1204	5/10/2017	485.36	9.74	475.62	SD
MW-1204	8/28/2017	485.36	10.67	474.69	SD
MW-1204	11/02/2017	485.36	10.90	474.46	SD
MW-1204	11/08/2017	485.36	11.51	473.85	SD
MW-1204	2/14/2018	485.36	12.11	473.25	SD
MW-1204	8/06/2018	485.36	15.37	469.99	SD
MW-1204	11/13/2018	485.36	16.28	469.08	SD
PZ-100-SD	1/04/1996	485.42	130.78	354.64	SD
PZ-100-SD	2/06/1996	485.42	122.81	362.61	SD
PZ-100-SD	3/04/1996	485.42	128.09	357.33	SD
PZ-100-SD	4/03/1996	485.42	112.94	372.48	SD
PZ-100-SD	4/30/1996	485.42	125.03	360.39	SD
PZ-100-SD	5/01/1996	485.42	121.27	364.15	SD
PZ-100-SD	5/02/1996	485.42	119.29	366.13	SD
PZ-100-SD	5/03/1996	485.42	118.00	367.42	SD
PZ-100-SD	6/13/1996	485.42	109.89	375.53	SD
PZ-100-SD	7/12/1996	485.42	118.78	366.64	SD
PZ-100-SD	8/08/1996	485.42	118.26	367.16	SD
PZ-100-SD	8/26/1996	485.42	117.34	368.08	SD
PZ-100-SD	9/06/1996	485.42	118.69	366.73	SD
PZ-100-SD	2/04/1997	485.42	106.88	378.54	SD
PZ-100-SD	5/09/1997	485.42	91.46	393.96	SD
PZ-100-SD	8/11/1997	485.42	107.60	377.82	SD
PZ-100-SD	11/06/1997	485.42	101.05	384.37	SD
PZ-100-SD	2/09/1998	485.42	76.71	408.71	SD
PZ-100-SD	2/11/1998	485.42	122.80	362.62	SD
PZ-100-SD	5/26/1998	485.42	83.76	401.66	SD
PZ-100-SD	11/09/1998	485.42	72.96	412.46	SD
PZ-100-SD	5/14/1999	485.42	55.29	430.13	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-100-SD	11/19/1999	485.42	66.62	418.80	SD
PZ-100-SD	5/22/2000	485.42	57.87	427.55	SD
PZ-100-SD	5/23/2000	485.42	57.58	427.84	SD
PZ-100-SD	11/13/2000	485.42	78.97	406.45	SD
PZ-100-SD	5/15/2001	485.42	68.18	417.24	SD
PZ-100-SD	5/15/2001	485.42	68.18	417.24	SD
PZ-100-SD	11/07/2001	485.42	53.27	432.15	SD
PZ-100-SD	11/07/2001	485.42	53.27	432.15	SD
PZ-100-SD	5/20/2002	485.42	41.76	443.66	SD
PZ-100-SD	5/21/2002	485.42	41.61	443.81	SD
PZ-100-SD	11/18/2002	485.42	50.68	434.74	SD
PZ-100-SD	11/19/2002	485.42	51.74	433.68	SD
PZ-100-SD	5/27/2003	485.42	65.31	420.11	SD
PZ-100-SD	5/28/2003	485.42	65.23	420.19	SD
PZ-100-SD	11/19/2003	485.42	40.09	445.33	SD
PZ-100-SD	11/21/2003	485.42	40.68	444.74	SD
PZ-100-SD	5/10/2004	485.42	53.27	432.15	SD
PZ-100-SD	5/11/2004	485.42	53.07	432.35	SD
PZ-100-SD	11/16/2004	485.42	48.50	436.92	SD
PZ-100-SD	11/17/2004	485.42	48.62	436.80	SD
PZ-100-SD	5/23/2005	485.42	58.00	427.42	SD
PZ-100-SD	5/24/2005	485.42	57.60	427.82	SD
PZ-100-SD	11/17/2005	485.42	37.76	447.66	SD
PZ-100-SD	11/29/2005	485.42	38.21	447.21	SD
PZ-100-SD	5/23/2006	485.42	59.20	426.22	SD
PZ-100-SD	5/31/2006	485.42	56.65	428.77	SD
PZ-100-SD	11/08/2006	485.42	45.20	440.22	SD
PZ-100-SD	11/30/2006	485.42	45.23	440.19	SD
PZ-100-SD	5/18/2007	485.42	57.45	427.97	SD
PZ-100-SD	5/31/2007	485.42	55.70	429.72	SD
PZ-100-SD	11/06/2007	485.42	71.42	414.00	SD
PZ-100-SD	11/07/2007	485.42	71.30	414.12	SD
PZ-100-SD	5/06/2008	485.42	48.90	436.52	SD
PZ-100-SD	5/07/2008	485.42	49.29	436.13	SD
PZ-100-SD	11/03/2008	485.42	59.95	425.47	SD
PZ-100-SD	11/04/2008	485.42	60.20	425.22	SD
PZ-100-SD	5/05/2009	485.42	69.00	416.42	SD
PZ-100-SD	11/02/2009	485.42	79.89	405.53	SD
PZ-100-SD	5/18/2010	485.42	84.85	400.57	SD
PZ-100-SD	5/19/2010	485.42	84.70	400.72	SD
PZ-100-SD	11/09/2010	485.42	84.28	401.14	SD
PZ-100-SD	11/10/2010	485.42	84.22	401.20	SD
PZ-100-SD	5/09/2011	485.42	64.70	420.72	SD
PZ-100-SD	5/11/2011	485.42	65.40	420.02	SD
PZ-100-SD	11/16/2011	485.42	75.19	410.23	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-100-SD	11/17/2011	485.42	74.60	410.82	SD
PZ-100-SD	5/09/2012	486.08	40.86	445.22	SD
PZ-100-SD	5/10/2012	486.08	40.02	446.06	SD
PZ-100-SD	7/30/2012	486.08	53.70	432.38	SD
PZ-100-SD	7/31/2012	486.08	53.08	433.00	SD
PZ-100-SD	11/26/2012	486.08	46.18	439.90	SD
PZ-100-SD	11/27/2012	486.08	46.46	439.62	SD
PZ-100-SD	4/02/2013	486.08	36.64	449.44	SD
PZ-100-SD	4/05/2013	486.08	35.63	450.45	SD
PZ-100-SD	4/12/2013	486.08	35.87	450.21	SD
PZ-100-SD	7/08/2013	486.08	37.52	448.56	SD
PZ-100-SD	7/09/2013	486.08	36.61	449.47	SD
PZ-100-SD	9/30/2013	486.08	35.76	450.32	SD
PZ-100-SD	10/08/2013	486.08	35.61	450.47	SD
PZ-100-SD	5/27/2014	486.08	35.54	450.54	SD
PZ-100-SD	5/28/2014	486.08	34.99	451.09	SD
PZ-100-SD	9/22/2014	486.08	34.48	451.60	SD
PZ-100-SD	9/23/2014	486.08	34.49	451.59	SD
PZ-100-SD	11/18/2014	486.08	33.93	452.15	SD
PZ-100-SD	11/20/2014	486.08	33.85	452.23	SD
PZ-100-SD	2/02/2015	486.08	33.70	452.38	SD
PZ-100-SD	2/04/2015	486.08	33.53	452.55	SD
PZ-100-SD	5/12/2015	486.08	32.18	453.90	SD
PZ-100-SD	5/14/2015	486.08	32.16	453.92	SD
PZ-100-SD	8/18/2015	486.08	29.90	456.18	SD
PZ-100-SD	8/24/2015	486.08	29.12	456.96	SD
PZ-100-SD	11/16/2015	486.08	30.59	455.49	SD
PZ-100-SD	11/17/2015	486.08	30.30	455.78	SD
PZ-100-SD	2/29/2016	486.08	30.11	455.97	SD
PZ-100-SD	3/10/2016	486.08	30.62	455.46	SD
PZ-100-SD	5/31/2016	486.08	31.00	455.08	SD
PZ-100-SD	6/10/2016	486.08	31.08	455.00	SD
PZ-100-SD	8/22/2016	486.08	31.51	454.57	SD
PZ-100-SD	9/07/2016	486.08	32.35	453.73	SD
PZ-100-SD	11/07/2016	486.08	32.55	453.53	SD
PZ-100-SD	11/10/2016	486.08	32.55	453.53	SD
PZ-100-SD	2/06/2017	486.08	31.41	454.67	SD
PZ-100-SD	2/08/2017	486.08	31.45	454.63	SD
PZ-100-SD	5/01/2017	486.08	30.97	455.11	SD
PZ-100-SD	5/08/2017	486.08	30.50	455.58	SD
PZ-100-SD	8/28/2017	486.08	30.51	455.57	SD
PZ-100-SD	8/29/2017	486.08	30.57	455.51	SD
PZ-100-SD	11/02/2017	486.08	31.06	455.02	SD
PZ-100-SD	11/07/2017	486.08	31.42	454.66	SD
PZ-100-SD	2/14/2018	486.08	32.13	453.95	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-100-SD	2/22/2018	486.08	32.56	453.52	SD
PZ-100-SD	8/06/2018	486.08	32.19	453.89	SD
PZ-100-SD	11/13/2018	486.08	31.66	454.42	SD
PZ-104-SD	6/26/1995	483.29	124.64	358.65	SD
PZ-104-SD	6/27/1995	483.29	124.64	358.65	SD
PZ-104-SD	7/10/1995	483.29	125.23	358.06	SD
PZ-104-SD	7/26/1995	483.29	127.05	356.24	SD
PZ-104-SD	8/15/1995	483.29	119.96	363.33	SD
PZ-104-SD	8/26/1995	483.29	120.72	362.57	SD
PZ-104-SD	9/30/1995	483.29	139.36	343.93	SD
PZ-104-SD	10/28/1995	483.29	142.01	341.28	SD
PZ-104-SD	11/18/1995	483.29	141.79	341.50	SD
PZ-104-SD	12/13/1995	483.29	144.64	338.65	SD
PZ-104-SD	12/20/1995	483.29	135.82	347.47	SD
PZ-104-SD	12/24/1995	483.29	139.40	343.89	SD
PZ-104-SD	12/26/1995	483.29	140.76	342.53	SD
PZ-104-SD	12/31/1995	483.29	142.91	340.38	SD
PZ-104-SD	1/04/1996	483.29	140.58	342.71	SD
PZ-104-SD	2/06/1996	483.29	121.81	361.48	SD
PZ-104-SD	3/05/1996	483.29	135.45	347.84	SD
PZ-104-SD	4/02/1996	483.29	123.44	359.85	SD
PZ-104-SD	4/30/1996	483.29	102.79	380.50	SD
PZ-104-SD	5/01/1996	483.29	107.70	375.59	SD
PZ-104-SD	5/02/1996	483.29	111.04	372.25	SD
PZ-104-SD	5/03/1996	483.29	112.81	370.48	SD
PZ-104-SD	6/13/1996	483.29	106.77	376.52	SD
PZ-104-SD	7/12/1996	483.29	115.92	367.37	SD
PZ-104-SD	8/08/1996	483.29	113.61	369.68	SD
PZ-104-SD	9/06/1996	483.29	120.03	363.26	SD
PZ-104-SD	2/04/1997	483.29	101.48	381.81	SD
PZ-104-SD	5/09/1997	483.29	105.50	377.79	SD
PZ-104-SD	8/11/1997	483.29	91.97	391.32	SD
PZ-104-SD	8/15/1997	483.29	94.64	388.65	SD
PZ-104-SD	11/06/1997	483.29	84.05	399.24	SD
PZ-104-SD	11/20/1997	483.29	88.05	395.24	SD
PZ-104-SD	2/09/1998	483.29	82.86	400.43	SD
PZ-104-SD	5/26/1998	483.29	81.18	402.11	SD
PZ-104-SD	11/09/1998	483.29	77.14	406.15	SD
PZ-104-SD	5/14/1999	483.29	58.52	424.77	SD
PZ-104-SD	11/18/1999	483.29	64.56	418.73	SD
PZ-104-SD	5/12/2000	483.29	35.92	447.37	SD
PZ-104-SD	5/22/2000	483.29	70.89	412.40	SD
PZ-104-SD	5/23/2000	483.29	69.94	413.35	SD
PZ-104-SD	11/13/2000	483.29	56.39	426.90	SD
PZ-104-SD	5/15/2001	483.29	60.97	422.32	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-104-SD	5/15/2001	483.29	60.97	422.32	SD
PZ-104-SD	11/07/2001	483.29	48.62	434.67	SD
PZ-104-SD	11/07/2001	483.29	48.62	434.67	SD
PZ-104-SD	5/20/2002	483.29	38.72	444.57	SD
PZ-104-SD	5/22/2002	483.29	38.28	445.01	SD
PZ-104-SD	11/18/2002	483.29	46.57	436.72	SD
PZ-104-SD	5/27/2003	483.29	59.28	424.01	SD
PZ-104-SD	5/28/2003	483.29	59.13	424.16	SD
PZ-104-SD	11/19/2003	483.29	34.59	448.70	SD
PZ-104-SD	11/21/2003	483.29	59.13	424.16	SD
PZ-104-SD	5/10/2004	483.29	35.92	447.37	SD
PZ-104-SD	11/16/2004	483.29	33.12	450.17	SD
PZ-104-SD	11/18/2004	483.29	33.41	449.88	SD
PZ-104-SD	5/23/2005	483.29	36.10	447.19	SD
PZ-104-SD	5/24/2005	483.29	36.30	446.99	SD
PZ-104-SD	11/17/2005	483.29	32.80	450.49	SD
PZ-104-SD	11/29/2005	483.29	33.05	450.24	SD
PZ-104-SD	5/25/2006	483.29	33.05	450.24	SD
PZ-104-SD	5/31/2006	483.29	64.63	418.66	SD
PZ-104-SD	11/10/2006	483.29	45.76	437.53	SD
PZ-104-SD	11/30/2006	483.29	42.98	440.31	SD
PZ-104-SD	5/18/2007	483.29	62.30	420.99	SD
PZ-104-SD	5/31/2007	483.29	62.65	420.64	SD
PZ-104-SD	11/06/2007	483.29	61.55	421.74	SD
PZ-104-SD	11/07/2007	483.29	65.95	417.34	SD
PZ-104-SD	5/06/2008	483.29	58.56	424.73	SD
PZ-104-SD	5/07/2008	483.29	59.32	423.97	SD
PZ-104-SD	11/03/2008	483.29	54.34	428.95	SD
PZ-104-SD	11/04/2008	483.29	54.36	428.93	SD
PZ-104-SD	5/05/2009	483.29	58.18	425.11	SD
PZ-104-SD	5/08/2009	483.29	57.31	425.98	SD
PZ-104-SD	11/02/2009	483.29	52.88	430.41	SD
PZ-104-SD	11/04/2009	483.29	53.07	430.22	SD
PZ-104-SD	5/18/2010	483.29	53.19	430.10	SD
PZ-104-SD	5/20/2010	483.29	53.11	430.18	SD
PZ-104-SD	11/09/2010	483.29	48.98	434.31	SD
PZ-104-SD	11/10/2010	483.29	48.70	434.59	SD
PZ-104-SD	5/09/2011	483.29	36.42	446.87	SD
PZ-104-SD	5/09/2011	483.29	36.42	446.87	SD
PZ-104-SD	11/16/2011	483.29	29.40	453.89	SD
PZ-104-SD	11/17/2011	483.29	29.13	454.16	SD
PZ-104-SD	5/09/2012	483.75	25.43	458.32	SD
PZ-104-SD	5/11/2012	483.75	25.01	458.74	SD
PZ-104-SD	7/30/2012	483.75	24.44	459.31	SD
PZ-104-SD	8/01/2012	483.75	24.50	459.25	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-104-SD	11/19/2012	483.75	46.91	436.84	SD
PZ-104-SD	11/26/2012	483.75	25.04	458.71	SD
PZ-104-SD	11/27/2012	483.75	25.25	458.50	SD
PZ-104-SD	4/02/2013	483.75	22.65	461.10	SD
PZ-104-SD	4/11/2013	483.75	22.05	461.70	SD
PZ-104-SD	4/12/2013	483.75	22.01	461.74	SD
PZ-104-SD	7/08/2013	483.75	22.81	460.94	SD
PZ-104-SD	7/11/2013	483.75	22.02	461.73	SD
PZ-104-SD	9/30/2013	483.75	22.63	461.12	SD
PZ-104-SD	10/07/2013	483.75	23.00	460.75	SD
PZ-104-SD	5/27/2014	483.75	21.85	461.90	SD
PZ-104-SD	5/28/2014	483.75	21.59	462.16	SD
PZ-104-SD	9/22/2014	483.75	22.90	460.85	SD
PZ-104-SD	9/24/2014	483.75	22.78	460.97	SD
PZ-104-SD	11/18/2014	483.75	22.50	461.25	SD
PZ-104-SD	11/20/2014	483.75	22.38	461.37	SD
PZ-104-SD	2/02/2015	483.75	22.02	461.73	SD
PZ-104-SD	2/03/2015	483.75	21.74	462.01	SD
PZ-104-SD	5/12/2015	483.75	21.19	462.56	SD
PZ-104-SD	5/13/2015	483.75	21.28	462.47	SD
PZ-104-SD	8/17/2015	483.75	21.27	462.48	SD
PZ-104-SD	8/20/2015	483.75	21.27	462.48	SD
PZ-104-SD	8/25/2015	483.75	21.28	462.47	SD
PZ-104-SD	11/16/2015	483.75	21.62	462.13	SD
PZ-104-SD	11/18/2015	483.75	21.12	462.63	SD
PZ-104-SD	2/29/2016	483.75	21.11	462.64	SD
PZ-104-SD	3/01/2016	483.75	21.10	462.65	SD
PZ-104-SD	5/31/2016	483.75	20.43	463.32	SD
PZ-104-SD	6/03/2016	483.75	20.56	463.19	SD
PZ-104-SD	8/22/2016	483.75	20.94	462.81	SD
PZ-104-SD	8/24/2016	483.75	20.80	462.95	SD
PZ-104-SD	11/07/2016	483.75	20.81	462.94	SD
PZ-104-SD	11/09/2016	483.75	20.81	462.94	SD
PZ-104-SD	2/06/2017	483.75	21.30	462.45	SD
PZ-104-SD	2/09/2017	483.75	22.00	461.75	SD
PZ-104-SD	5/01/2017	483.75	20.21	463.54	SD
PZ-104-SD	5/08/2017	483.75	20.01	463.74	SD
PZ-104-SD	8/28/2017	483.75	21.30	462.45	SD
PZ-104-SD	8/30/2017	483.75	21.41	462.34	SD
PZ-104-SD	11/02/2017	483.75	21.45	462.30	SD
PZ-104-SD	11/13/2017	483.75	21.78	461.97	SD
PZ-104-SD	2/14/2018	483.75	22.25	461.50	SD
PZ-104-SD	2/26/2018	483.75	21.81	461.94	SD
PZ-104-SD	8/06/2018	483.75	22.39	461.36	SD
PZ-104-SD	11/13/2018	483.75	22.43	461.32	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-106-SD	4/09/1995	463.02	115.68	347.34	SD
PZ-106-SD	4/21/1995	463.02	116.38	346.64	SD
PZ-106-SD	5/05/1995	463.02	113.74	349.28	SD
PZ-106-SD	5/24/1995	463.02	114.10	348.92	SD
PZ-106-SD	6/07/1995	463.02	104.35	358.67	SD
PZ-106-SD	6/27/1995	463.02	104.78	358.24	SD
PZ-106-SD	7/10/1995	463.02	106.11	356.91	SD
PZ-106-SD	7/26/1995	463.02	109.90	353.12	SD
PZ-106-SD	8/03/1995	463.02	107.98	355.04	SD
PZ-106-SD	8/14/1995	463.02	104.80	358.22	SD
PZ-106-SD	8/26/1995	463.02	101.44	361.58	SD
PZ-106-SD	9/30/1995	463.02	114.98	348.04	SD
PZ-106-SD	10/28/1995	463.02	117.02	346.00	SD
PZ-106-SD	11/18/1995	463.02	116.04	346.98	SD
PZ-106-SD	12/13/1995	463.02	122.82	340.20	SD
PZ-106-SD	12/20/1995	463.02	123.25	339.77	SD
PZ-106-SD	12/24/1995	463.02	121.52	341.50	SD
PZ-106-SD	12/26/1995	463.02	121.34	341.68	SD
PZ-106-SD	12/31/1995	463.02	121.54	341.48	SD
PZ-106-SD	1/04/1996	463.02	121.90	341.12	SD
PZ-106-SD	2/06/1996	463.02	106.60	356.42	SD
PZ-106-SD	3/05/1996	463.02	117.16	345.86	SD
PZ-106-SD	4/02/1996	463.02	113.25	349.77	SD
PZ-106-SD	4/30/1996	463.02	101.95	361.07	SD
PZ-106-SD	5/01/1996	463.02	100.43	362.59	SD
PZ-106-SD	5/02/1996	463.02	99.32	363.70	SD
PZ-106-SD	5/03/1996	463.02	98.61	364.41	SD
PZ-106-SD	6/13/1996	463.02	93.99	369.03	SD
PZ-106-SD	7/12/1996	463.02	96.11	366.91	SD
PZ-106-SD	8/08/1996	463.02	98.77	364.25	SD
PZ-106-SD	9/06/1996	463.02	103.11	359.91	SD
PZ-106-SD	2/04/1997	463.02	87.00	376.02	SD
PZ-106-SD	5/09/1997	463.02	86.21	376.81	SD
PZ-106-SD	8/11/1997	463.02	78.70	384.32	SD
PZ-106-SD	8/25/1997	463.02	82.20	380.82	SD
PZ-106-SD	8/28/1997	463.02	87.90	375.12	SD
PZ-106-SD	11/06/1997	463.02	75.17	387.85	SD
PZ-106-SD	11/19/1997	463.02	73.77	389.25	SD
PZ-106-SD	2/09/1998	463.02	70.68	392.34	SD
PZ-106-SD	5/26/1998	463.02	67.35	395.67	SD
PZ-106-SD	11/09/1998	463.02	65.45	397.57	SD
PZ-106-SD	5/14/1999	463.02	45.40	417.62	SD
PZ-106-SD	11/19/1999	463.02	54.94	408.08	SD
PZ-106-SD	5/22/2000	463.02	58.00	405.02	SD
PZ-106-SD	5/29/2000	463.02	57.31	405.71	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-106-SD	11/13/2000	463.02	47.81	415.21	SD
PZ-106-SD	5/16/2001	463.02	50.84	412.18	SD
PZ-106-SD	5/16/2001	463.02	50.84	412.18	SD
PZ-106-SD	11/07/2001	463.02	35.79	427.23	SD
PZ-106-SD	5/20/2002	463.02	29.63	433.39	SD
PZ-106-SD	5/22/2002	463.02	28.37	434.65	SD
PZ-106-SD	11/18/2002	463.02	40.23	422.79	SD
PZ-106-SD	11/19/2002	463.02	40.27	422.75	SD
PZ-106-SD	5/27/2003	463.02	53.94	409.08	SD
PZ-106-SD	11/19/2003	463.02	25.28	437.74	SD
PZ-106-SD	11/20/2003	463.02	25.25	437.77	SD
PZ-106-SD	5/10/2004	463.02	28.53	434.49	SD
PZ-106-SD	5/12/2004	463.02	28.25	434.77	SD
PZ-106-SD	11/16/2004	463.02	24.59	438.43	SD
PZ-106-SD	11/18/2004	463.02	24.38	438.64	SD
PZ-106-SD	5/23/2005	463.02	32.66	430.36	SD
PZ-106-SD	5/24/2005	463.02	32.49	430.53	SD
PZ-106-SD	11/17/2005	463.02	21.47	441.55	SD
PZ-106-SD	11/29/2005	463.02	21.65	441.37	SD
PZ-106-SD	5/24/2006	463.02	43.42	419.60	SD
PZ-106-SD	5/31/2006	463.02	43.79	419.23	SD
PZ-106-SD	11/09/2006	463.02	30.50	432.52	SD
PZ-106-SD	11/30/2006	463.02	31.59	431.43	SD
PZ-106-SD	5/21/2007	463.02	40.90	422.12	SD
PZ-106-SD	5/31/2007	463.02	42.16	420.86	SD
PZ-106-SD	11/06/2007	463.02	47.29	415.73	SD
PZ-106-SD	11/06/2007	463.02	47.11	415.91	SD
PZ-106-SD	5/06/2008	463.02	38.66	424.36	SD
PZ-106-SD	5/08/2008	463.02	38.78	424.24	SD
PZ-106-SD	11/03/2008	463.02	36.72	426.30	SD
PZ-106-SD	11/03/2008	463.02	36.49	426.53	SD
PZ-106-SD	5/05/2009	463.02	42.61	420.41	SD
PZ-106-SD	5/07/2009	463.02	42.35	420.67	SD
PZ-106-SD	11/02/2009	463.02	41.27	421.75	SD
PZ-106-SD	11/03/2009	463.02	41.29	421.73	SD
PZ-106-SD	5/18/2010	463.02	44.76	418.26	SD
PZ-106-SD	5/19/2010	463.02	44.53	418.49	SD
PZ-106-SD	11/09/2010	463.02	42.86	420.16	SD
PZ-106-SD	11/10/2010	463.02	42.62	420.40	SD
PZ-106-SD	5/09/2011	463.02	29.16	433.86	SD
PZ-106-SD	5/10/2011	463.02	29.00	434.02	SD
PZ-106-SD	11/16/2011	463.02	28.81	434.21	SD
PZ-106-SD	11/17/2011	463.02	28.54	434.48	SD
PZ-106-SD	5/09/2012	463.44	17.39	446.05	SD
PZ-106-SD	5/10/2012	463.44	16.77	446.67	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-106-SD	7/03/2012	463.44	18.28	445.16	SD
PZ-106-SD	7/30/2012	463.44	18.68	444.76	SD
PZ-106-SD	11/26/2012	463.44	17.93	445.51	SD
PZ-106-SD	11/28/2012	463.44	18.16	445.28	SD
PZ-106-SD	4/02/2013	463.44	15.15	448.29	SD
PZ-106-SD	4/09/2013	463.44	14.74	448.70	SD
PZ-106-SD	4/12/2013	463.44	14.69	448.75	SD
PZ-106-SD	7/08/2013	463.44	14.00	449.44	SD
PZ-106-SD	7/10/2013	463.44	13.37	450.07	SD
PZ-106-SD	9/30/2013	463.44	12.86	450.58	SD
PZ-106-SD	10/08/2013	463.44	12.53	450.91	SD
PZ-106-SD	5/27/2014	463.44	11.40	452.04	SD
PZ-106-SD	5/28/2014	463.44	11.40	452.04	SD
PZ-106-SD	9/22/2014	463.44	12.74	450.70	SD
PZ-106-SD	9/24/2014	463.44	13.08	450.36	SD
PZ-106-SD	11/18/2014	463.44	12.85	450.59	SD
PZ-106-SD	11/20/2014	463.44	12.83	450.61	SD
PZ-106-SD	2/02/2015	463.44	11.53	451.91	SD
PZ-106-SD	2/04/2015	463.44	11.58	451.86	SD
PZ-106-SD	5/12/2015	463.44	12.90	450.54	SD
PZ-106-SD	5/14/2015	463.44	12.80	450.64	SD
PZ-106-SD	8/17/2015	463.44	11.63	451.81	SD
PZ-106-SD	8/20/2015	463.44	11.76	451.68	SD
PZ-106-SD	8/24/2015	463.44	11.78	451.66	SD
PZ-106-SD	11/16/2015	463.44	13.21	450.23	SD
PZ-106-SD	11/24/2015	463.44	13.19	450.25	SD
PZ-106-SD	2/29/2016	463.44	12.95	450.49	SD
PZ-106-SD	3/02/2016	463.44	13.19	450.25	SD
PZ-106-SD	5/31/2016	463.44	12.68	450.76	SD
PZ-106-SD	6/02/2016	463.44	12.68	450.76	SD
PZ-106-SD	8/22/2016	463.44	13.49	449.95	SD
PZ-106-SD	8/23/2016	463.44	13.40	450.04	SD
PZ-106-SD	11/07/2016	463.44	13.82	449.62	SD
PZ-106-SD	11/08/2016	463.44	13.72	449.72	SD
PZ-106-SD	2/06/2017	463.44	14.48	448.96	SD
PZ-106-SD	2/08/2017	463.44	14.77	448.67	SD
PZ-106-SD	5/01/2017	463.44	13.69	449.75	SD
PZ-106-SD	5/04/2017	463.44	13.62	449.82	SD
PZ-106-SD	8/28/2017	463.44	14.51	448.93	SD
PZ-106-SD	8/29/2017	463.44	14.50	448.94	SD
PZ-106-SD	11/02/2017	463.44	14.52	448.92	SD
PZ-106-SD	11/06/2017	463.44	14.98	448.46	SD
PZ-106-SD	2/14/2018	463.44	14.95	448.49	SD
PZ-106-SD	5/28/2018	463.44	53.63	409.81	SD
PZ-106-SD	8/06/2018	463.44	15.82	447.62	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-106-SD	11/13/2018	463.44	14.39	449.05	SD
PZ-111-SD	5/05/1995	461.15	30.46	430.69	SD
PZ-111-SD	5/24/1995	461.15	28.32	432.83	SD
PZ-111-SD	6/07/1995	461.15	26.61	434.54	SD
PZ-111-SD	6/27/1995	461.15	87.85	373.30	SD
PZ-111-SD	7/10/1995	461.15	53.49	407.66	SD
PZ-111-SD	8/04/1995	461.15	34.21	426.94	SD
PZ-111-SD	8/15/1995	461.15	39.09	422.06	SD
PZ-111-SD	8/26/1995	461.15	33.00	428.15	SD
PZ-111-SD	9/30/1995	461.15	29.33	431.82	SD
PZ-111-SD	10/28/1995	461.15	29.65	431.50	SD
PZ-111-SD	11/18/1995	461.15	30.08	431.07	SD
PZ-111-SD	12/14/1995	461.15	30.62	430.53	SD
PZ-111-SD	12/20/1995	461.15	30.74	430.41	SD
PZ-111-SD	12/24/1995	461.15	30.78	430.37	SD
PZ-111-SD	12/26/1995	461.15	30.80	430.35	SD
PZ-111-SD	12/31/1995	461.15	30.85	430.30	SD
PZ-111-SD	1/04/1996	461.15	30.92	430.23	SD
PZ-111-SD	2/06/1996	461.15	31.49	429.66	SD
PZ-111-SD	3/05/1996	461.15	32.12	429.03	SD
PZ-111-SD	4/02/1996	461.15	32.65	428.50	SD
PZ-111-SD	4/30/1996	461.15	32.73	428.42	SD
PZ-111-SD	5/01/1996	461.15	32.68	428.47	SD
PZ-111-SD	5/02/1996	461.15	32.63	428.52	SD
PZ-111-SD	5/03/1996	461.15	32.55	428.60	SD
PZ-111-SD	6/13/1996	461.15	29.00	432.15	SD
PZ-111-SD	7/12/1996	461.15	28.09	433.06	SD
PZ-111-SD	8/08/1996	461.15	28.36	432.79	SD
PZ-111-SD	8/24/1996	461.15	101.70	359.45	SD
PZ-111-SD	9/06/1996	461.15	61.06	400.09	SD
PZ-111-SD	2/04/1997	461.15	30.14	431.01	SD
PZ-111-SD	5/09/1997	461.15	29.82	431.33	SD
PZ-111-SD	8/11/1997	461.15	30.28	430.87	SD
PZ-111-SD	11/06/1997	461.15	31.07	430.08	SD
PZ-111-SD	2/09/1998	461.15	28.27	432.88	SD
PZ-111-SD	11/09/1998	461.15	29.08	432.07	SD
PZ-111-SD	5/14/1999	461.15	27.78	433.37	SD
PZ-111-SD	5/22/2000	461.15	33.24	427.91	SD
PZ-111-SD	5/16/2001	461.15	31.92	429.23	SD
PZ-111-SD	5/20/2002	461.15	30.88	430.27	SD
PZ-111-SD	11/18/2002	461.15	32.05	429.10	SD
PZ-111-SD	5/27/2003	461.15	34.61	426.54	SD
PZ-111-SD	11/19/2003	461.15	33.36	427.79	SD
PZ-111-SD	5/10/2004	461.15	32.38	428.77	SD
PZ-111-SD	11/16/2004	461.15	36.63	424.52	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-111-SD	5/23/2005	461.15	36.30	424.85	SD
PZ-111-SD	11/17/2005	461.15	37.47	423.68	SD
PZ-111-SD	5/31/2006	461.15	40.80	420.35	SD
PZ-111-SD	11/30/2006	461.15	40.78	420.37	SD
PZ-111-SD	5/31/2007	461.15	38.92	422.23	SD
PZ-111-SD	11/06/2007	461.15	37.51	423.64	SD
PZ-111-SD	5/06/2008	461.15	34.40	426.75	SD
PZ-111-SD	11/03/2008	461.15	33.21	427.94	SD
PZ-111-SD	5/05/2009	461.15	34.24	426.91	SD
PZ-111-SD	11/02/2009	461.15	33.69	427.46	SD
PZ-111-SD	5/18/2010	461.15	32.93	428.22	SD
PZ-111-SD	11/09/2010	461.15	33.79	427.36	SD
PZ-111-SD	5/09/2011	461.15	32.67	428.48	SD
PZ-111-SD	11/16/2011	461.15	34.16	426.99	SD
PZ-111-SD	5/09/2012	466.17	38.70	427.47	SD
PZ-111-SD	7/30/2012	466.17	36.04	430.13	SD
PZ-111-SD	11/26/2012	466.17	38.32	427.85	SD
PZ-111-SD	4/02/2013	466.17	39.07	427.10	SD
PZ-111-SD	4/12/2013	466.17	38.96	427.21	SD
PZ-111-SD	7/08/2013	466.17	33.27	432.90	SD
PZ-111-SD	9/30/2013	466.17	35.22	430.95	SD
PZ-111-SD	5/27/2014	466.17	38.42	427.75	SD
PZ-111-SD	9/22/2014	466.17	35.66	430.51	SD
PZ-111-SD	11/18/2014	466.17	34.89	431.28	SD
PZ-111-SD	2/02/2015	466.17	35.97	430.20	SD
PZ-111-SD	5/12/2015	466.17	36.12	430.05	SD
PZ-111-SD	8/18/2015	466.17	31.19	434.98	SD
PZ-111-SD	11/16/2015	466.17	34.51	431.66	SD
PZ-111-SD	2/29/2016	466.17	32.20	433.97	SD
PZ-111-SD	5/31/2016	466.17	32.98	433.19	SD
PZ-111-SD	8/22/2016	466.17	33.03	433.14	SD
PZ-111-SD	11/07/2016	466.17	34.19	431.98	SD
PZ-111-SD	2/06/2017	466.17	36.04	430.13	SD
PZ-111-SD	5/01/2017	466.17	36.05	430.12	SD
PZ-111-SD	8/28/2017	466.17	33.49	432.68	SD
PZ-111-SD	11/02/2017	466.17	7.33	458.84	SD
PZ-111-SD	2/14/2018	466.17	8.20	457.97	SD
PZ-111-SD	8/06/2018	466.17	7.83	458.34	SD
PZ-111-SD	11/13/2018	466.17	8.17	458.00	SD
PZ-209-SD	5/27/2014	489.18	24.73	464.45	SD
PZ-209-SD	9/22/2014	489.18	24.77	464.41	SD
PZ-209-SD	11/18/2014	489.18	24.60	464.58	SD
PZ-209-SD	2/02/2015	489.18	24.30	464.88	SD
PZ-209-SD	5/12/2015	489.18	23.70	465.48	SD
PZ-209-SD	8/17/2015	489.18	23.45	465.73	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-209-SD	11/16/2015	489.18	24.35	464.83	SD
PZ-209-SD	2/29/2016	489.18	23.39	465.79	SD
PZ-209-SD	5/31/2016	489.18	22.73	466.45	SD
PZ-209-SD	8/22/2016	489.18	23.05	466.13	SD
PZ-209-SD	11/07/2016	489.18	23.09	466.09	SD
PZ-209-SD	2/06/2017	489.18	23.65	465.53	SD
PZ-209-SD	5/01/2017	489.18	23.36	465.82	SD
PZ-209-SD	8/28/2017	489.18	23.71	465.47	SD
PZ-209-SD	11/02/2017	489.18	22.19	466.99	SD
PZ-209-SD	2/14/2018	489.18	23.21	465.97	SD
PZ-209-SD	8/06/2018	489.18	22.55	466.63	SD
PZ-209-SD	11/13/2018	489.18	21.89	467.29	SD
PZ-210-SD	5/27/2014	486.60	27.16	459.44	SD
PZ-210-SD	9/22/2014	486.60	28.31	458.29	SD
PZ-210-SD	11/18/2014	486.60	28.02	458.58	SD
PZ-210-SD	2/02/2015	486.60	27.16	459.44	SD
PZ-210-SD	5/12/2015	486.60	26.32	460.28	SD
PZ-210-SD	8/17/2015	486.60	27.25	459.35	SD
PZ-210-SD	11/16/2015	486.60	27.16	459.44	SD
PZ-210-SD	2/29/2016	486.60	26.51	460.09	SD
PZ-210-SD	5/31/2016	486.60	25.78	460.82	SD
PZ-210-SD	8/22/2016	486.60	26.03	460.57	SD
PZ-210-SD	11/07/2016	486.60	25.69	460.91	SD
PZ-210-SD	2/06/2017	486.60	26.19	460.41	SD
PZ-210-SD	5/01/2017	486.60	24.94	461.66	SD
PZ-210-SD	8/28/2017	486.60	25.29	461.31	SD
PZ-210-SD	11/02/2017	486.60	25.42	461.18	SD
PZ-210-SD	2/14/2018	486.60	26.10	460.50	SD
PZ-210-SD	8/06/2018	486.60	26.07	460.53	SD
PZ-210-SD	11/13/2018	486.60	26.15	460.45	SD
PZ-211-SD	5/27/2014	487.06	23.26	463.80	SD
PZ-211-SD	9/22/2014	487.06	23.55	463.51	SD
PZ-211-SD	11/18/2014	487.06	23.32	463.74	SD
PZ-211-SD	2/02/2015	487.06	22.79	464.27	SD
PZ-211-SD	5/12/2015	487.06	22.20	464.86	SD
PZ-211-SD	8/17/2015	487.06	22.16	464.90	SD
PZ-211-SD	11/16/2015	487.06	22.97	464.09	SD
PZ-211-SD	2/29/2016	487.06	21.94	465.12	SD
PZ-211-SD	5/31/2016	487.06	21.36	465.70	SD
PZ-211-SD	8/22/2016	487.06	27.71	459.35	SD
PZ-211-SD	11/07/2016	487.06	21.74	465.32	SD
PZ-211-SD	2/06/2017	487.06	22.33	464.73	SD
PZ-211-SD	5/01/2017	487.06	20.97	466.09	SD
PZ-211-SD	8/28/2017	487.06	22.39	464.67	SD
PZ-211-SD	11/02/2017	487.06	20.53	466.53	SD

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-211-SD	2/14/2018	487.06	21.45	465.61	SD
PZ-211-SD	8/06/2018	487.06	20.14	466.92	SD
PZ-211-SD	11/13/2018	487.06	20.37	466.69	SD
PZ-212-SD	5/27/2014	482.32	15.51	466.81	SD
PZ-212-SD	9/22/2014	482.32	15.68	466.64	SD
PZ-212-SD	11/18/2014	482.32	15.63	466.69	SD
PZ-212-SD	2/02/2015	482.32	15.39	466.93	SD
PZ-212-SD	5/12/2015	482.32	14.63	467.69	SD
PZ-212-SD	8/18/2015	482.32	13.26	469.06	SD
PZ-212-SD	11/16/2015	482.32	15.43	466.89	SD
PZ-212-SD	2/29/2016	482.32	14.22	468.10	SD
PZ-212-SD	5/31/2016	482.32	13.79	468.53	SD
PZ-212-SD	8/22/2016	482.32	14.13	468.19	SD
PZ-212-SD	11/07/2016	482.32	14.30	468.02	SD
PZ-212-SD	2/06/2017	482.32	14.80	467.52	SD
PZ-212-SD	5/01/2017	482.32	13.72	468.60	SD
PZ-212-SD	8/28/2017	482.32	14.98	467.34	SD
PZ-212-SD	11/02/2017	482.32	14.80	467.52	SD
PZ-212-SD	2/14/2018	482.32	15.19	467.13	SD
PZ-212-SD	8/06/2018	482.32	15.18	467.14	SD
PZ-212-SD	11/13/2018	482.32	14.72	467.60	SD
PZ-100-KS	1/04/1996	485.24	52.95	432.29	KS
PZ-100-KS	2/06/1996	485.24	50.54	434.70	KS
PZ-100-KS	3/04/1996	485.24	51.68	433.56	KS
PZ-100-KS	4/03/1996	485.24	49.93	435.31	KS
PZ-100-KS	4/30/1996	485.24	50.89	434.35	KS
PZ-100-KS	5/01/1996	485.24	50.55	434.69	KS
PZ-100-KS	5/02/1996	485.24	50.36	434.88	KS
PZ-100-KS	5/03/1996	485.24	50.08	435.16	KS
PZ-100-KS	6/13/1996	485.24	46.80	438.44	KS
PZ-100-KS	7/12/1996	485.24	46.29	438.95	KS
PZ-100-KS	8/08/1996	485.24	46.14	439.10	KS
PZ-100-KS	9/06/1996	485.24	46.25	438.99	KS
PZ-100-KS	2/04/1997	485.24	43.88	441.36	KS
PZ-100-KS	5/09/1997	485.24	41.76	443.48	KS
PZ-100-KS	8/11/1997	485.24	43.03	442.21	KS
PZ-100-KS	11/06/1997	485.24	42.99	442.25	KS
PZ-100-KS	2/10/1998	485.24	39.80	445.44	KS
PZ-100-KS	5/26/1998	485.24	37.61	447.63	KS
PZ-100-KS	11/09/1998	485.24	37.89	447.35	KS
PZ-100-KS	5/14/1999	485.24	32.97	452.27	KS
PZ-100-KS	5/22/2000	485.24	35.30	449.94	KS
PZ-100-KS	5/20/2002	485.24	29.03	456.21	KS
PZ-100-KS	11/18/2002	485.24	30.34	454.90	KS
PZ-100-KS	5/27/2003	485.24	32.86	452.38	KS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-100-KS	11/19/2003	485.24	28.18	457.06	KS
PZ-100-KS	5/10/2004	485.24	29.12	456.12	KS
PZ-100-KS	11/16/2004	485.24	28.97	456.27	KS
PZ-100-KS	5/23/2005	485.24	30.80	454.44	KS
PZ-100-KS	11/17/2005	485.24	27.58	457.66	KS
PZ-100-KS	5/31/2006	485.24	32.58	452.66	KS
PZ-100-KS	11/30/2006	485.24	32.74	452.50	KS
PZ-100-KS	5/31/2007	485.24	33.65	451.59	KS
PZ-100-KS	11/06/2007	485.24	37.22	448.02	KS
PZ-100-KS	5/06/2008	485.24	31.14	454.10	KS
PZ-100-KS	11/03/2008	485.24	31.29	453.95	KS
PZ-100-KS	5/05/2009	485.24	33.09	452.15	KS
PZ-100-KS	11/02/2009	485.24	34.75	450.49	KS
PZ-100-KS	5/18/2010	485.24	36.67	448.57	KS
PZ-100-KS	11/09/2010	485.24	37.70	447.54	KS
PZ-100-KS	5/09/2011	485.24	32.35	452.89	KS
PZ-100-KS	11/16/2011	485.24	35.79	449.45	KS
PZ-100-KS	5/09/2012	485.95	28.16	457.79	KS
PZ-100-KS	7/30/2012	485.95	31.16	454.79	KS
PZ-100-KS	8/16/2012	485.95	30.58	455.37	KS
PZ-100-KS	11/26/2012	485.95	29.56	456.39	KS
PZ-100-KS	4/02/2013	485.95	27.07	458.88	KS
PZ-100-KS	4/12/2013	485.95	26.32	459.63	KS
PZ-100-KS	4/16/2013	485.95	25.95	460.00	KS
PZ-100-KS	7/08/2013	485.95	26.89	459.06	KS
PZ-100-KS	7/23/2013	485.95	25.80	460.15	KS
PZ-100-KS	9/30/2013	485.95	26.82	459.13	KS
PZ-100-KS	10/15/2013	485.95	26.65	459.30	KS
PZ-100-KS	5/27/2014	485.95	24.52	461.43	KS
PZ-100-KS	9/22/2014	485.95	24.21	461.74	KS
PZ-100-KS	11/18/2014	485.95	24.11	461.84	KS
PZ-100-KS	2/02/2015	485.95	23.91	462.04	KS
PZ-100-KS	5/12/2015	485.95	23.44	462.51	KS
PZ-100-KS	8/18/2015	485.95	22.22	463.73	KS
PZ-100-KS	11/16/2015	485.95	23.77	462.18	KS
PZ-100-KS	2/29/2016	485.95	22.90	463.05	KS
PZ-100-KS	5/31/2016	485.95	22.65	463.30	KS
PZ-100-KS	8/22/2016	485.95	22.95	463.00	KS
PZ-100-KS	11/07/2016	485.95	23.38	462.57	KS
PZ-100-KS	2/06/2017	485.95	23.61	462.34	KS
PZ-100-KS	5/01/2017	485.95	22.83	463.12	KS
PZ-100-KS	8/28/2017	485.95	23.52	462.43	KS
PZ-100-KS	11/02/2017	485.95	29.30	456.65	KS
PZ-100-KS	2/14/2018	485.95	29.65	456.30	KS
PZ-100-KS	8/06/2018	485.95	30.11	455.84	KS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-100-KS	11/13/2018	485.95	29.58	456.37	KS
PZ-104-KS	6/26/1995	483.64	39.39	444.25	KS
PZ-104-KS	6/27/1995	483.64	39.41	444.23	KS
PZ-104-KS	7/10/1995	483.64	39.28	444.36	KS
PZ-104-KS	7/26/1995	483.64	39.30	444.34	KS
PZ-104-KS	8/15/1995	483.64	39.19	444.45	KS
PZ-104-KS	8/26/1995	483.64	39.77	443.87	KS
PZ-104-KS	9/30/1995	483.64	42.06	441.58	KS
PZ-104-KS	10/28/1995	483.64	43.05	440.59	KS
PZ-104-KS	11/18/1995	483.64	43.27	440.37	KS
PZ-104-KS	12/13/1995	483.64	43.62	440.02	KS
PZ-104-KS	12/20/1995	483.64	43.95	439.69	KS
PZ-104-KS	12/24/1995	483.64	43.82	439.82	KS
PZ-104-KS	12/26/1995	483.64	43.68	439.96	KS
PZ-104-KS	12/31/1995	483.64	43.60	440.04	KS
PZ-104-KS	1/04/1996	483.64	43.82	439.82	KS
PZ-104-KS	2/16/1996	483.64	40.94	442.70	KS
PZ-104-KS	3/05/1996	483.64	42.30	441.34	KS
PZ-104-KS	4/02/1996	483.64	41.10	442.54	KS
PZ-104-KS	4/30/1996	483.64	41.23	442.41	KS
PZ-104-KS	5/01/1996	483.64	40.98	442.66	KS
PZ-104-KS	5/02/1996	483.64	40.84	442.80	KS
PZ-104-KS	5/03/1996	483.64	40.69	442.95	KS
PZ-104-KS	6/13/1996	483.64	36.69	446.95	KS
PZ-104-KS	7/12/1996	483.64	36.64	447.00	KS
PZ-104-KS	8/08/1996	483.64	36.10	447.54	KS
PZ-104-KS	9/06/1996	483.64	36.97	446.67	KS
PZ-104-KS	2/04/1997	483.64	35.24	448.40	KS
PZ-104-KS	5/09/1997	483.64	32.89	450.75	KS
PZ-104-KS	8/11/1997	483.64	34.16	449.48	KS
PZ-104-KS	11/06/1997	483.64	34.42	449.22	KS
PZ-104-KS	5/26/1998	483.64	29.04	454.60	KS
PZ-104-KS	11/09/1998	483.64	29.41	454.23	KS
PZ-104-KS	5/14/1999	483.64	25.61	458.03	KS
PZ-104-KS	11/19/1999	483.64	29.81	453.83	KS
PZ-104-KS	5/22/2000	483.64	28.26	455.38	KS
PZ-104-KS	5/20/2002	483.64	21.43	462.21	KS
PZ-104-KS	11/18/2002	483.64	23.41	460.23	KS
PZ-104-KS	5/27/2003	483.64	23.95	459.69	KS
PZ-104-KS	11/19/2003	483.64	21.42	462.22	KS
PZ-104-KS	5/10/2004	483.64	21.32	462.32	KS
PZ-104-KS	11/16/2004	483.64	21.44	462.20	KS
PZ-104-KS	5/23/2005	483.64	22.00	461.64	KS
PZ-104-KS	11/17/2005	483.64	20.92	462.72	KS
PZ-104-KS	5/31/2006	483.64	25.83	457.81	KS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-104-KS	11/30/2006	483.64	26.68	456.96	KS
PZ-104-KS	5/31/2007	483.64	25.35	458.29	KS
PZ-104-KS	11/06/2007	483.64	27.81	455.83	KS
PZ-104-KS	5/06/2008	483.64	24.30	459.34	KS
PZ-104-KS	11/03/2008	483.64	22.74	460.90	KS
PZ-104-KS	5/05/2009	483.64	22.79	460.85	KS
PZ-104-KS	11/02/2009	483.64	22.75	460.89	KS
PZ-104-KS	5/18/2010	483.64	23.46	460.18	KS
PZ-104-KS	11/09/2010	483.64	25.35	458.29	KS
PZ-104-KS	5/09/2011	483.64	22.11	461.53	KS
PZ-104-KS	11/16/2011	483.64	24.00	459.64	KS
PZ-104-KS	5/09/2012	484.20	20.44	463.76	KS
PZ-104-KS	7/30/2012	484.20	23.05	461.15	KS
PZ-104-KS	8/15/2012	484.20	22.26	461.94	KS
PZ-104-KS	11/26/2012	484.20	21.89	462.31	KS
PZ-104-KS	4/02/2013	484.20	19.36	464.84	KS
PZ-104-KS	4/11/2013	484.20	18.72	465.48	KS
PZ-104-KS	4/12/2013	484.20	18.71	465.49	KS
PZ-104-KS	7/08/2013	484.20	19.76	464.44	KS
PZ-104-KS	7/18/2013	484.20	19.12	465.08	KS
PZ-104-KS	9/30/2013	484.20	20.70	463.50	KS
PZ-104-KS	10/04/2013	484.20	20.02	464.18	KS
PZ-104-KS	5/27/2014	484.20	18.09	466.11	KS
PZ-104-KS	9/22/2014	484.20	17.67	466.53	KS
PZ-104-KS	9/24/2014	484.20	17.64	466.56	KS
PZ-104-KS	11/18/2014	484.20	17.62	466.58	KS
PZ-104-KS	11/20/2014	484.20	17.54	466.66	KS
PZ-104-KS	2/02/2015	484.20	17.51	466.69	KS
PZ-104-KS	2/03/2015	484.20	17.22	466.98	KS
PZ-104-KS	5/12/2015	484.20	16.87	467.33	KS
PZ-104-KS	5/14/2015	484.20	16.76	467.44	KS
PZ-104-KS	8/18/2015	484.20	15.72	468.48	KS
PZ-104-KS	8/25/2015	484.20	15.86	468.34	KS
PZ-104-KS	11/16/2015	484.20	17.24	466.96	KS
PZ-104-KS	11/18/2015	484.20	16.62	467.58	KS
PZ-104-KS	2/29/2016	484.20	16.47	467.73	KS
PZ-104-KS	3/09/2016	484.20	16.60	467.60	KS
PZ-104-KS	5/31/2016	484.20	16.00	468.20	KS
PZ-104-KS	6/10/2016	484.20	16.34	467.86	KS
PZ-104-KS	8/22/2016	484.20	16.24	467.96	KS
PZ-104-KS	9/07/2016	484.20	16.73	467.47	KS
PZ-104-KS	11/07/2016	484.20	16.58	467.62	KS
PZ-104-KS	11/10/2016	484.20	16.72	467.48	KS
PZ-104-KS	2/06/2017	484.20	17.16	467.04	KS
PZ-104-KS	2/08/2017	484.20	17.32	466.88	KS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-104-KS	5/01/2017	484.20	15.73	468.47	KS
PZ-104-KS	5/08/2017	484.20	15.62	468.58	KS
PZ-104-KS	8/28/2017	484.20	17.19	467.01	KS
PZ-104-KS	11/02/2017	484.20	20.27	463.93	KS
PZ-104-KS	11/13/2017	484.20	17.96	466.24	KS
PZ-104-KS	2/14/2018	484.20	20.96	463.24	KS
PZ-104-KS	2/26/2018	484.20	17.55	466.65	KS
PZ-104-KS	8/06/2018	484.20	21.41	462.79	KS
PZ-104-KS	11/13/2018	484.20	21.82	462.38	KS
PZ-106-KS	4/09/1995	463.86	25.54	438.32	KS
PZ-106-KS	4/21/1995	463.86	25.48	438.38	KS
PZ-106-KS	5/05/1995	463.86	25.00	438.86	KS
PZ-106-KS	5/24/1995	463.86	26.00	437.86	KS
PZ-106-KS	6/07/1995	463.86	25.73	438.13	KS
PZ-106-KS	6/27/1995	463.86	22.06	441.80	KS
PZ-106-KS	7/10/1995	463.86	21.75	442.11	KS
PZ-106-KS	7/26/1995	463.86	21.75	442.11	KS
PZ-106-KS	8/15/1995	463.86	21.64	442.22	KS
PZ-106-KS	8/26/1995	463.86	21.78	442.08	KS
PZ-106-KS	9/30/1995	463.86	23.96	439.90	KS
PZ-106-KS	10/28/1995	463.86	24.79	439.07	KS
PZ-106-KS	11/18/1995	463.86	25.24	438.62	KS
PZ-106-KS	12/13/1995	463.86	25.44	438.42	KS
PZ-106-KS	12/20/1995	463.86	25.80	438.06	KS
PZ-106-KS	12/24/1995	463.86	25.69	438.17	KS
PZ-106-KS	12/26/1995	463.86	25.53	438.33	KS
PZ-106-KS	12/31/1995	463.86	25.36	438.50	KS
PZ-106-KS	1/04/1996	463.86	25.65	438.21	KS
PZ-106-KS	2/06/1996	463.86	23.56	440.30	KS
PZ-106-KS	3/05/1996	463.86	24.35	439.51	KS
PZ-106-KS	4/02/1996	463.86	23.76	440.10	KS
PZ-106-KS	4/30/1996	463.86	24.07	439.79	KS
PZ-106-KS	5/01/1996	463.86	23.86	440.00	KS
PZ-106-KS	5/02/1996	463.86	23.76	440.10	KS
PZ-106-KS	5/03/1996	463.86	23.58	440.28	KS
PZ-106-KS	6/13/1996	463.86	21.63	442.23	KS
PZ-106-KS	7/12/1996	463.86	19.80	444.06	KS
PZ-106-KS	8/08/1996	463.86	19.58	444.28	KS
PZ-106-KS	9/06/1996	463.86	19.85	444.01	KS
PZ-106-KS	2/04/1997	463.86	18.02	445.84	KS
PZ-106-KS	5/09/1997	463.86	16.50	447.36	KS
PZ-106-KS	8/11/1997	463.86	16.81	447.05	KS
PZ-106-KS	11/06/1997	463.86	17.28	446.58	KS
PZ-106-KS	2/10/1998	463.86	15.30	448.56	KS
PZ-106-KS	5/26/1998	463.86	12.91	450.95	KS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-106-KS	11/09/1998	463.86	12.72	451.14	KS
PZ-106-KS	5/14/1999	463.86	9.74	454.12	KS
PZ-106-KS	11/19/1999	463.86	12.35	451.51	KS
PZ-106-KS	5/22/2000	463.86	11.95	451.91	KS
PZ-106-KS	11/07/2001	463.86	6.63	457.23	KS
PZ-106-KS	5/20/2002	463.86	7.11	456.75	KS
PZ-106-KS	11/18/2002	463.86	7.13	456.73	KS
PZ-106-KS	5/27/2003	463.86	8.84	455.02	KS
PZ-106-KS	11/19/2003	463.86	6.53	457.33	KS
PZ-106-KS	5/10/2004	463.86	6.37	457.49	KS
PZ-106-KS	11/16/2004	463.86	6.75	457.11	KS
PZ-106-KS	5/23/2005	463.86	7.00	456.86	KS
PZ-106-KS	11/17/2005	463.86	6.10	457.76	KS
PZ-106-KS	5/31/2006	463.86	9.81	454.05	KS
PZ-106-KS	11/30/2006	463.86	10.89	452.97	KS
PZ-106-KS	11/06/2007	463.86	11.81	452.05	KS
PZ-106-KS	5/06/2008	463.86	8.85	455.01	KS
PZ-106-KS	11/03/2008	463.86	7.72	456.14	KS
PZ-106-KS	5/05/2009	463.86	7.93	455.93	KS
PZ-106-KS	11/02/2009	463.86	7.93	455.93	KS
PZ-106-KS	5/18/2010	463.86	8.22	455.64	KS
PZ-106-KS	11/09/2010	463.86	9.31	454.55	KS
PZ-106-KS	5/09/2011	463.86	6.75	457.11	KS
PZ-106-KS	11/16/2011	463.86	8.49	455.37	KS
PZ-106-KS	5/09/2012	464.32	5.88	458.44	KS
PZ-106-KS	7/30/2012	464.32	7.35	456.97	KS
PZ-106-KS	8/14/2012	464.32	6.96	457.36	KS
PZ-106-KS	11/26/2012	464.32	6.59	457.73	KS
PZ-106-KS	4/02/2013	464.32	5.12	459.20	KS
PZ-106-KS	4/12/2013	464.32	4.59	459.73	KS
PZ-106-KS	4/15/2013	464.32	4.28	460.04	KS
PZ-106-KS	7/08/2013	464.32	4.87	459.45	KS
PZ-106-KS	7/19/2013	464.32	4.28	460.04	KS
PZ-106-KS	9/30/2013	464.32	5.58	458.74	KS
PZ-106-KS	10/11/2013	464.32	5.21	459.11	KS
PZ-106-KS	5/27/2014	464.32	3.71	460.61	KS
PZ-106-KS	9/22/2014	464.32	3.60	460.72	KS
PZ-106-KS	11/18/2014	464.32	3.40	460.92	KS
PZ-106-KS	2/02/2015	464.32	3.19	461.13	KS
PZ-106-KS	5/12/2015	464.32	2.74	461.58	KS
PZ-106-KS	8/18/2015	464.32	1.58	462.74	KS
PZ-106-KS	11/16/2015	464.32	3.02	461.30	KS
PZ-106-KS	2/29/2016	464.32	2.20	462.12	KS
PZ-106-KS	5/31/2016	464.32	2.09	462.23	KS
PZ-106-KS	8/22/2016	464.32	2.15	462.17	KS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-106-KS	11/07/2016	464.32	2.59	461.73	KS
PZ-106-KS	2/06/2017	464.32	2.73	461.59	KS
PZ-106-KS	5/01/2017	464.32	1.93	462.39	KS
PZ-106-KS	8/28/2017	464.32	2.59	461.73	KS
PZ-106-KS	11/02/2017	464.32	14.02	450.30	KS
PZ-106-KS	2/14/2018	464.32	14.47	449.85	KS
PZ-106-KS	8/06/2018	464.32	15.20	449.12	KS
PZ-106-KS	11/13/2018	464.32	13.69	450.63	KS
PZ-111-KS	5/25/1995	460.47	20.58	439.89	KS
PZ-111-KS	6/07/1995	460.47	19.64	440.83	KS
PZ-111-KS	6/27/1995	460.47	19.29	441.18	KS
PZ-111-KS	7/10/1995	460.47	19.09	441.38	KS
PZ-111-KS	7/26/1995	460.47	18.96	441.51	KS
PZ-111-KS	8/15/1995	460.47	18.87	441.60	KS
PZ-111-KS	8/26/1995	460.47	18.86	441.61	KS
PZ-111-KS	9/30/1995	460.47	20.48	439.99	KS
PZ-111-KS	10/28/1995	460.47	21.19	439.28	KS
PZ-111-KS	11/18/1995	460.47	21.73	438.74	KS
PZ-111-KS	12/14/1995	460.47	22.02	438.45	KS
PZ-111-KS	12/20/1995	460.47	22.16	438.31	KS
PZ-111-KS	12/24/1995	460.47	22.14	438.33	KS
PZ-111-KS	12/26/1995	460.47	22.04	438.43	KS
PZ-111-KS	12/31/1995	460.47	21.82	438.65	KS
PZ-111-KS	1/04/1996	460.47	22.10	438.37	KS
PZ-111-KS	2/06/1996	460.47	20.83	439.64	KS
PZ-111-KS	3/05/1996	460.47	20.95	439.52	KS
PZ-111-KS	4/02/1996	460.47	20.74	439.73	KS
PZ-111-KS	4/30/1996	460.47	20.86	439.61	KS
PZ-111-KS	5/01/1996	460.47	20.86	439.61	KS
PZ-111-KS	5/02/1996	460.47	20.80	439.67	KS
PZ-111-KS	5/03/1996	460.47	20.71	439.76	KS
PZ-111-KS	6/13/1996	460.47	18.32	442.15	KS
PZ-111-KS	7/12/1996	460.47	17.21	443.26	KS
PZ-111-KS	8/08/1996	460.47	17.20	443.27	KS
PZ-111-KS	9/06/1996	460.47	17.09	443.38	KS
PZ-111-KS	2/04/1997	460.47	15.30	445.17	KS
PZ-111-KS	5/09/1997	460.47	14.31	446.16	KS
PZ-111-KS	8/11/1997	460.47	14.16	446.31	KS
PZ-111-KS	11/06/1997	460.47	14.45	446.02	KS
PZ-111-KS	2/10/1998	460.47	13.10	447.37	KS
PZ-111-KS	5/26/1998	460.47	10.80	449.67	KS
PZ-111-KS	11/09/1998	460.47	10.73	449.74	KS
PZ-111-KS	5/14/1999	460.47	8.34	452.13	KS
PZ-111-KS	11/19/1999	460.47	10.31	450.16	KS
PZ-111-KS	5/22/2000	460.47	10.25	450.22	KS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-111-KS	5/20/2002	460.47	6.75	453.72	KS
PZ-111-KS	11/18/2002	460.47	6.27	454.20	KS
PZ-111-KS	11/19/2003	460.47	6.26	454.21	KS
PZ-111-KS	5/10/2004	460.47	5.98	454.49	KS
PZ-111-KS	11/16/2004	460.47	11.05	449.42	KS
PZ-111-KS	5/23/2005	460.47	11.00	449.47	KS
PZ-111-KS	11/17/2005	460.47	10.35	450.12	KS
PZ-111-KS	5/31/2006	460.47	13.20	447.27	KS
PZ-111-KS	11/30/2006	460.47	14.64	445.83	KS
PZ-111-KS	5/31/2007	460.47	13.72	446.75	KS
PZ-111-KS	11/06/2007	460.47	15.38	445.09	KS
PZ-111-KS	5/06/2008	460.47	12.73	447.74	KS
PZ-111-KS	11/03/2008	460.47	11.84	448.63	KS
PZ-111-KS	5/05/2009	460.47	12.17	448.30	KS
PZ-111-KS	11/02/2009	460.47	12.01	448.46	KS
PZ-111-KS	5/18/2010	460.47	12.14	448.33	KS
PZ-111-KS	11/09/2010	460.47	12.89	447.58	KS
PZ-111-KS	5/09/2011	460.47	10.84	449.63	KS
PZ-111-KS	11/16/2011	460.47	12.16	448.31	KS
PZ-111-KS	5/09/2012	465.40	14.58	450.82	KS
PZ-111-KS	7/30/2012	465.40	10.95	454.45	KS
PZ-111-KS	11/26/2012	465.40	10.66	454.74	KS
PZ-111-KS	4/02/2013	465.40	9.44	455.96	KS
PZ-111-KS	4/12/2013	465.40	9.20	456.20	KS
PZ-111-KS	7/08/2013	465.40	8.75	456.65	KS
PZ-111-KS	9/30/2013	465.40	9.35	456.05	KS
PZ-111-KS	5/27/2014	465.40	8.29	457.11	KS
PZ-111-KS	9/22/2014	465.40	8.12	457.28	KS
PZ-111-KS	11/18/2014	465.40	7.85	457.55	KS
PZ-111-KS	2/02/2015	465.40	7.67	457.73	KS
PZ-111-KS	5/12/2015	465.40	7.28	458.12	KS
PZ-111-KS	8/18/2015	465.40	6.14	459.26	KS
PZ-111-KS	11/16/2015	465.40	7.45	457.95	KS
PZ-111-KS	2/29/2016	465.40	6.76	458.64	KS
PZ-111-KS	5/31/2016	465.40	6.67	458.73	KS
PZ-111-KS	8/22/2016	465.40	6.85	458.55	KS
PZ-111-KS	11/07/2016	465.40	7.05	458.35	KS
PZ-111-KS	2/06/2017	465.40	7.13	458.27	KS
PZ-111-KS	5/01/2017	465.40	6.52	458.88	KS
PZ-111-KS	8/28/2017	465.40	6.98	458.42	KS
PZ-111-KS	11/02/2017	465.40	35.27	430.13	KS
PZ-111-KS	2/14/2018	465.40	37.67	427.73	KS

TABLE 3-6. HISTORICAL GROUNDWATER LEVELS AND ELEVATIONS
WEST LAKE LANDFILL OU-3
REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN

Location	Date Measured	Measuring Point Elevation (ft msl)	Depth to Water (ft bmp)	Water Elevation (ftmsl)	Hydrostratigraphic Zone
PZ-111-KS	8/06/2018	465.40	35.91	429.49	KS
PZ-111-KS	11/13/2018	465.40	33.89	431.51	KS

Notes:
ft-amsl = feet above mean sea level
ft-bmp = feet below measuring point

APPENDIX N

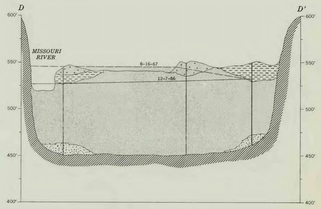
POTENTIOMETRIC SURFACE FIGURES

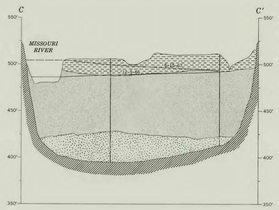
DRAFT

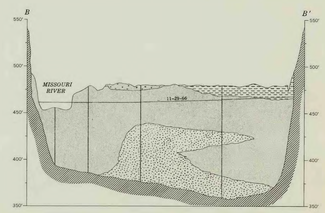
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY
WILLIAM T. PECORA, DIRECTOR

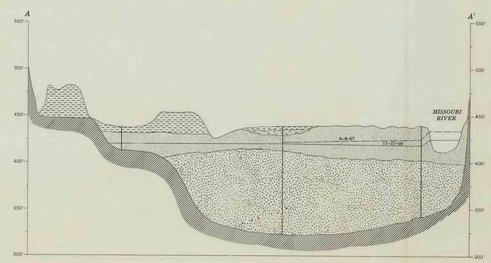
PREPARED IN COOPERATION WITH THE
MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES
WILLIAM C. HAYES, DIRECTOR AND STATE GEOLOGIST

HYDROLOGIC INVESTIGATIONS
ATLAS HA-315









0 1000 2000 3000 4000 5000 FEET
DATUM IS MEAN SEA LEVEL
VERTICAL EXAGGERATION X 40

HYDROGEOLOGIC MAP AND GENERALIZED GEOLOGIC SECTIONS

SCALE 1:125 000

0 5 10 MILES
0 5 10 KILOMETERS

1968 MAGNETIC DECLINATION FROM TRUE NORTH FOR THIS SHEET VARIES FROM CENTER OF THE EAST EDGE 8° EASTERLY FOR THE CENTER OF THE WEST EDGE TO 9° EASTERLY FOR THE CENTER OF THE EAST EDGE

DATUM IS MEAN SEA LEVEL

INTRODUCTION

The sand and gravel underlying the Missouri River flood plain between St. Charles and Jefferson City, Mo. contain an abundant amount of water, which for the most part is unused. At present (1967) there are no municipal well fields in the area. The only large capacity wells in use are a few industrial and irrigation wells in the flood plain areas of St. Charles and St. Louis Counties, and an irrigation well on the pental farm near Jefferson City in Callaway County. Some of the industrial wells in St. Charles County are capable of yielding as much as 3,000 gpm (gallons per minute). This does not mean large capacity wells can be developed at random anywhere in the valley. However, geologic logs of test holes bored in the vicinity of St. Charles, Augusta, Washington, and Hermann indicate large capacity wells may be feasible in these areas. There undoubtedly are many other areas in this reach of the valley where the thickness and permeability of the saturated sand and gravel could support large capacity (1,000 to 3,000 gpm) wells.

Purpose and Scope.—The purpose of this hydrologic atlas is to describe the thickness, areal extent, and lithology of the alluvial deposits along the Missouri River between Jefferson City and St. Charles, Mo., and to provide information on the occurrence, availability, use, and chemical quality of the water contained in the alluvial aquifer.

Cooperation and Acknowledgments.—This investigation was done in cooperation with the Missouri Geological Survey and Water Resources, Dr. William C. Hayes, Director and State Geologist. The assistance and information provided by his staff is gratefully acknowledged. The authors also thank the many residents in the area and the representatives of other State and Federal agencies who provided information and assistance.

GEOLOGIC SETTING

Bedrock.—The steep bluffs which border the Missouri River flood plain are composed predominantly of dolomite with lesser amounts of limestone and sandstone. Rocks of the same type also underlie the alluvium and form the bedrock surface. Areal distribution of these rocks is shown on the geologic map of Missouri (McCracken, and others, 1961). A description of each formation can be found in Unes and Koenig (1961). Well yield and quality of water from bedrock formations in Missouri are shown on maps by Robertson (1962), Fuller (1962), and Knight (1962).

Alluvium.—The river responsible for carving the Missouri valley has also partially filled this trough with alluvium consisting of sand, gravel, silt, and clay. In general, the lower part of the alluvium is made up of coarse sand and gravel, while the upper part is composed of fine sand, silt, or clay. Thickness of the alluvium is controlled by irregularities in the bedrock surface. Based on available test-hole data the maximum thickness of alluvium in this reach is about 120 feet. Average thickness one-half mile from the valley wall is about 100 feet. The average saturated thickness is about 80 feet.

Lithologic character and thickness of the alluvium are shown on the map by strip logs and geologic sections.

GROUND-WATER HYDROLOGY

Recharge, Discharge, and Occurrence of Ground Water.—Ground water available to wells occurs in the openings between individual sand and gravel particles making up the alluvium. Some of this water comes from direct penetration by downward percolation of rainfall; some is the result of overbank flooding or sustained high river stage. A still smaller amount may be due to underflow from bedrock aquifers.

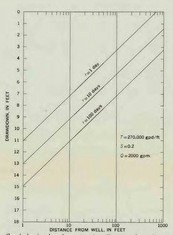
The main ground-water discharge is seepage from the alluvium into the Missouri River when river stage is low. Other discharge may be attributed to evapotranspiration, downward movement of water into the bedrock, and pumping from wells.

Ground water in the alluvial aquifer occurs under water table (unconfined) and artesian (confined) conditions. These conditions vary geographically and in time. In many instances confinement is marginal; that is, the water level is at or near the base of the confining layer. In these areas the water level may be above the base of the confining layer during wet seasons and below the base of the confining layer during dry seasons. Consequently, in referring to the map, reference will be made to the piezometric surface (the surface to which water in the aquifer will rise under its full head) rather than the water table (the upper surface of the zone of saturation).

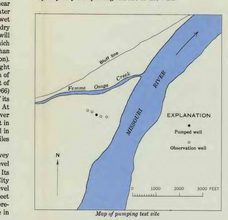
Movement of Ground Water.—Arrows drawn at right angles to the piezometric contours and pointed in direction of decreasing altitude would show the direction of movement of the ground water. At this particular time (December 1966) the Missouri River was acting as a drain throughout most of its length, except in the vicinities of Labadie and St. Charles. At other times, such as during periods of prolonged high river stage, the direction of movement may be reversed, at least in the area close to the river. The relation of the water level in the aquifer to river stage is shown by the water level profiles drawn on the geologic sections.

Water Level Fluctuations.—The Missouri Geological Survey and Water Resources has maintained a continuous water-level recorder on a well in the Jefferson City area since 1956. Its location is shown as the middle well on the Jefferson City geologic section (D-D'). The maximum range in water-level fluctuation in this well between 1956 and 1966, was 11 feet and was due to changes in river stage and variations in precipitation. Periodic water-level measurements are made in eight other observation wells shown on the four geologic sections. As would be expected, the water levels in wells closest to the river exhibit the greatest range in fluctuation.

Aquifer Characteristics.—An aquifer test was made in March 1967 using one of the wells in the Weldon Springs Ordnance well field (see map of pumping test site). The well was pumped for 47 hours at a rate of 2,650 gpm and water-level drawdowns were measured in observation wells 244 feet, 261 feet, 484 feet, and 502 feet from the pumping well. Results of the test show the coefficients of transmissibility and storage of the aquifer in the vicinity of the test are about 270,000 gpd per foot (gallons per day per foot) and 0.2 respectively. The average permeability is about 3,000 gpd per square foot. The values obtained from the test were used to construct the graph which shows the amount of drawdown at various distances from a pumping well that will be caused by a steady pumping rate of 2,000 gpm if there is no recharge. For instance, the drawdown 100 feet from a well pumping 2,000 gpm continuously for 10 days will be about 5.1 feet. Such high yield wells should be placed at least 1,000 feet apart to lessen the affect of interference between wells. If this is impractical then more wells with smaller discharge rates should be used. Pumping at a rate less than developed capacity may also prolong the life of the well.



Graph showing drawdown at various distances after various periods of pumping from a well of constant discharge. T = coefficient of transmissibility, S = coefficient of storage, Q = discharge.



Map of pumping test site

WELL SCREEN ENCRUSTATION

The precipitation of calcium and iron carbonates probably is the major cause of well screen encrustation problems in the area. Where well screen encrustation is a problem, it is likely that the drop in pressure which occurs around the well screen during pumping causes some carbon dioxide to leave solution, thus permitting some carbonates to precipitate. The accumulation of these precipitates eventually lessens the well yield.

Although well encrustation cannot be completely eliminated its effects can be delayed or minimized by controlling the methods of well operation. Since the decrease in pressure as water moves into the well is indirectly the principal cause of encrustation, well operating practices which cause the least pressure drop will delay the rate of encrustant accumulation. These practices are (1) developing the well to its maximum capacity then pumping it at a rate somewhat less than its developed capacity (2) by reducing the pumping rate and pumping more continuously or, (3) increasing the number of wells pumped and pumping them at a lower rate.

GROUND-WATER USE

Ground water withdrawal from the alluvium bordering this reach of the Missouri River represents only a small fraction of the water available to wells. The only areas where ground water is used for other than rural household or stock watering are in western St. Louis County, and a small area in St. Charles County near Weldon Springs. It is reported that less than 70,000 gpd is being withdrawn from the Weldon Springs well field. The amount of water being withdrawn for irrigation from the alluvium in western St. Louis County is approximately 200,000 gpd during the irrigation season. Water-level measurements made in wells in the area indicate that pumping has had no long-term effect on water levels.

GROUND-WATER POTENTIAL AND INDUCED RECHARGE

It was not possible to measure the water level in the pumped well during the aquifer test at the Weldon Springs site; therefore the exact specific capacity cannot be computed. However, a very conservative estimate can be made knowing the setting of the pump bowls, the discharge, static water level, and the fact the well did not go dry. Using these figures specific capacity would be about 60 gpm per foot. A group of 100 such wells spaced so as not to interfere with each other would yield about 374 mgd (million gallons per day) or about 580 cfs (cubic feet per second).

The old Weldon Springs Ordnance well field is an example of the tremendous ground water potential of the Missouri River alluvium. According to Searcy, Baker, and Durum (1952, p. 68) this well field, which consisted of 13 large capacity wells in a 344 acre tract, supplied water from the Missouri River alluvium at a rate of more than 44 mgd, or about 68 cfs. Undoubtedly these wells from the closest to the Missouri River induced recharge from the river when heavily pumped. "This principle of locating large capacity wells in permeable material near large streams and inducing infiltration from the stream has been used successfully at many places and has been particularly successful in the Ohio River Valley" (Searcy and others, 1952, p. 43). Similar large yields could undoubtedly be obtained elsewhere in the Missouri River valley by inducing recharge from the river.

Rorabaugh (1968, p. 52, 55–56) cites several advantages of a water supply developed through streambed percolation over a supply directly from the stream. The chief advantages are a more nearly uniform chemical quality, a temperature range less than that of a stream, and the apparent removal or dilution of most objectionable odors and tastes. Rorabaugh (1968, p. 51) further states the planning of a water supply that is to be dependent on induced percolation through a streambed requires extensive knowledge of not only the hydrology of the basin, but also the geologic and ground-water conditions in the vicinity of the proposed installation.

CHEMICAL QUALITY OF GROUND WATER

Water in alluvial deposits in this reach of the Missouri River is predominantly a calcium bicarbonate type with significant amounts of magnesium and sulfate. The water is characterized by a high hardness and iron content and a variable dissolved-solids content. Areal variations in the chemical characteristics and dissolved-solids content are shown graphically by bar diagrams on the map. Selected chemical analyses, along with the maximum, median, and minimum values, based on all of the available analyses, and the U.S. Public Health Service drinking water standards recommended maximum limit for potable water, are shown in the table of analyses.

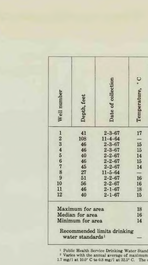
Suitability for Domestic, Municipal, and Industrial Use.—Water from the alluvium is used for domestic and irrigation supplies and has been used for industrial purposes (Weldon Springs Ordnance). In evaluating the suitability of water for domestic and municipal uses, the concentrations of iron, manganese, fluoride, dissolved solids, and the hardness of the water are important characteristics. A high iron and manganese content is objectionable because it imparts an unpleasant taste and also stains fabrics, and porcelain and enamel fixtures. A small amount of fluoride is desirable because it reduces the incidence of tooth decay, but excessive amounts cause mottling of the tooth enamel. Hardness of water is caused principally by the calcium and magnesium salts in the water. A high hardness is undesirable in water for domestic use because it causes an excessive consumption of soap, and it causes scale formation in hot water pipes and in vessels in which the water is boiled.

A comparison of the maximum, minimum, and median values with the recommended limits for some constituents (see table) shows that the amounts of iron and manganese generally exceed the recommended maximum limit for these constituents. The maximum amounts of sulfate, chloride, fluoride, and nitrate are well below the maximum or optimum limits for these constituents.

Limits have not been established for hardness of water but according to the U.S. Geological Survey classification, water having a hardness of less than 60 mg/l (milligrams per liter) is rated as soft and is suitable for most purposes; hardness ranging from 61 to 120 mg/l is considered moderate, but it does not seriously interfere with the use of water except in high pressure boilers and in some industrial processes; hardness ranging from 121 to 180 mg/l is hard, and, in the upper range, the water could be softened profitably for some uses; water having a hardness in excess of 180 mg/l is very hard and usually is softened before being used. The minimum value for hardness of water in this area indicates that the water is very hard and softening of the water would be desirable for domestic or municipal use

Diagram showing classification of water for irrigation use

Suitability of Water for Irrigation.—Rainfall is generally sufficient to maintain crop growth so irrigation is not widely practiced in this reach of the Missouri River valley. During periods when rainfall is not sufficient to maintain the desired soil moisture, water from the alluvial deposits could be used as a supplementary supply. According to classifications developed by the U.S. Salinity Laboratory (1954) water from the alluvium has a low sodium hazard and a medium to high salinity hazard (see diagram). Corn, soybeans, and alfalfa are the principal crops grown in this area and water of the above classification would be suitable for supplemental irrigation of these crops on almost all soils.



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EXPLANATION

Well, number is depth to water, in feet below land surface — 16

Test boring; number is depth to bedrock, in feet below land surface — 102

Seismic sounding; number is depth to bedrock, in feet below land surface — 101

Piezometric Contour — 530
Shows altitude to which water would have risen in wells in December 1966. Contour interval 10 feet

Water level profile for date given — 12-7-66 / 12-5-67
Shown in sections only

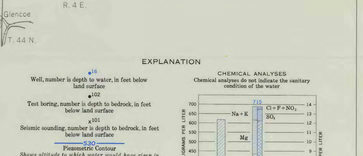
Boundary between alluvium and bedrock

WELL LOGS AND GEOLOGIC SECTIONS

Clay
Silt
Sand
Sand, some gravel (sand is predominant)
Sand and gravel (equal amounts)

CHEMICAL ANALYSES

Chemical analyses do not indicate the sanitary condition of the water



Hardness is the sum of calcium and magnesium
Number at top of bar indicates total dissolved solids content of sample. If this number is followed by an "e" the content has been estimated from specific conductance.
Number at bottom of bar indicates well referred to in table

CHEMICAL ANALYSES OF WATER FROM SELECTED WELLS

Milligrams per liter

Well number	Depth, feet	Date of collection	Temperature, ° C	Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on ignition at 180° C)	Hardness as $CaCO_3$	Noncarbonate	Percent sodium	Sodium adsorption ratio	Specific conductance at 25° C	pH	Color
1	41	2-3-67	17	26	2.9	0.70	160	31	15	6.1	625	50	4.7	0.0	0.0	609	527	14	6.8	0.3	959	7.1	0
2	100	11-8-66	12	19	5.1	.00	41	12	5.0	2.2	115	15	5.0	.2	.0	143	150	35	10	.4	231	7.6	5
3	46	2-3-67	15	20	2.8	.7	172	38	11	5.3	662	55	2.4	.2	.0	641	586	42	3.9	.1	1,020	7.1	0
4	46	2-3-67	15	20	2.6	.26	172	38	11	5.3	662	55	2.4	.2	.0	641	586	42	3.9	.1	1,020	7.1	0
5	46	2-3-67	15	19	2.6	.12	172	38	11	5.3	662	55	2.4	.2	.0	641	586	42	3.9	.1	1,020	7.1	0
6	46	2-3-67	15	28	2.6	.52	120	25	4.6	5.0	495	32	1.0	.4	.0	452	403	0	3.4	.1	744	7.6	5
7	37	2-3-67	16	19	2.0	.00	172	46	26	6.1	656	.8	5.4	.2	.0	711	619	0	8.1	.4	1,150	7.2	5
8	31	11-8-66	12	23	.60	32	83	23	3.9	3.7	317	77	46	2	11	489	347	87	12	.3	770	7.9	5
9	37	2-3-67	16	20	1.2	.00	86	25	6.4	1.5	400	10	1.6	.3	.0	423	339	31	3.6	.1	639	7.3	5
10	31	2-3-67	16	20	2.7	.42	101	26	6.4	1.5	400	10	1.6	.3	.0	423	359	31	3.7	.1	650	7.1	5
11	46	2-1-67	15	16	.26	.57	89	32	7.2	3.3	332	58	2.5	.3	.0	386	313	40	3.6	.2	623	7.4	0
12	40	2-1-67	15	32	3.4	2.3	172	46	23	6.2	753	42	5.3	.3	.0	725	619	1	7.4	4	1,150	7.1	0
Maximum for area			19	32	5.2	4.4	172	46	38	8.3	856	117	46	.5	13	794	920	239	—	—	1,280	7.9	6
Median for area			16	20	3.4	.20	131	36	9.4	3.6	542	45	3.4	.2	.0	530	495	31	—	—	824	7.2	5
Minimum for area			14	16	.26	.00	41	12	3.9	1.5	317	.8	1.0	.0	.0	343	284	0	—	—	575	7.0	0
Recommended limits drinking water standards[1]			—	—	.30	.05	—	—	—	—	—	250	250	1.5[7]	45	500	—	—	—	—	—	—	20

[1] Public Health Service Drinking Water Standards, revised 1962.
[7] Varies with the annual average of maximum daily air temperatures and ranges downward from 1.7 mg/l at 32.5° C to 0.8 mg/l at 32.5° C. The optimum concentration is from 0.7 to 0.7 mg/l.

Base from U.S. Geological Survey, St. Louis, 1947 and Jefferson City, 1955; 1:250,000

RECONNAISSANCE OF THE GROUND-WATER RESOURCES OF THE MISSOURI RIVER ALLUVIUM BETWEEN ST. CHARLES AND JEFFERSON CITY, MISSOURI

By
L. F. Emmett and H. G. Jeffery
1968

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1968—G68230

For sale by U.S. Geological Survey, price 50 cents

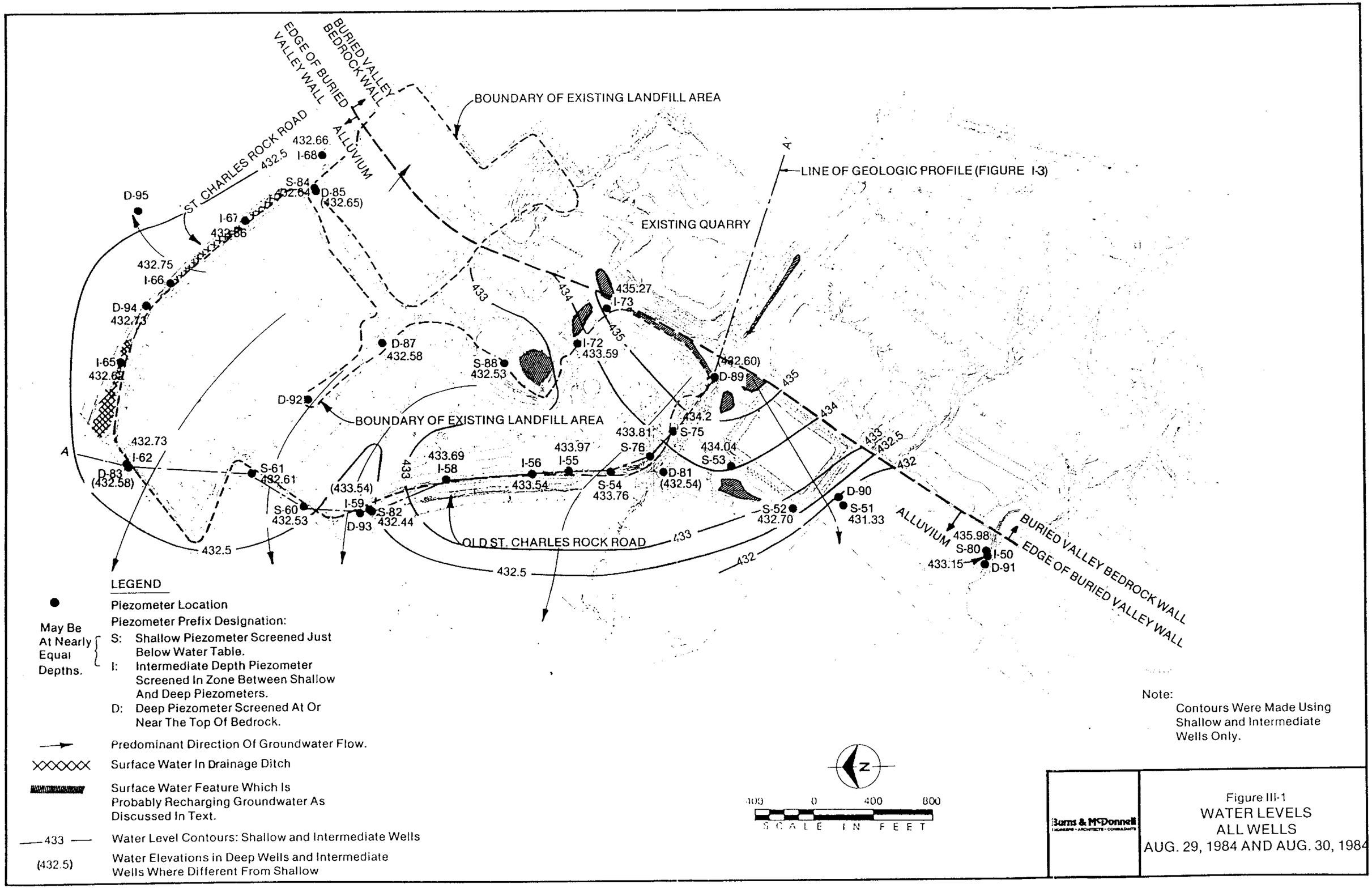


Figure III-1
WATER LEVELS
ALL WELLS
AUG. 29, 1984 AND AUG. 30, 1984

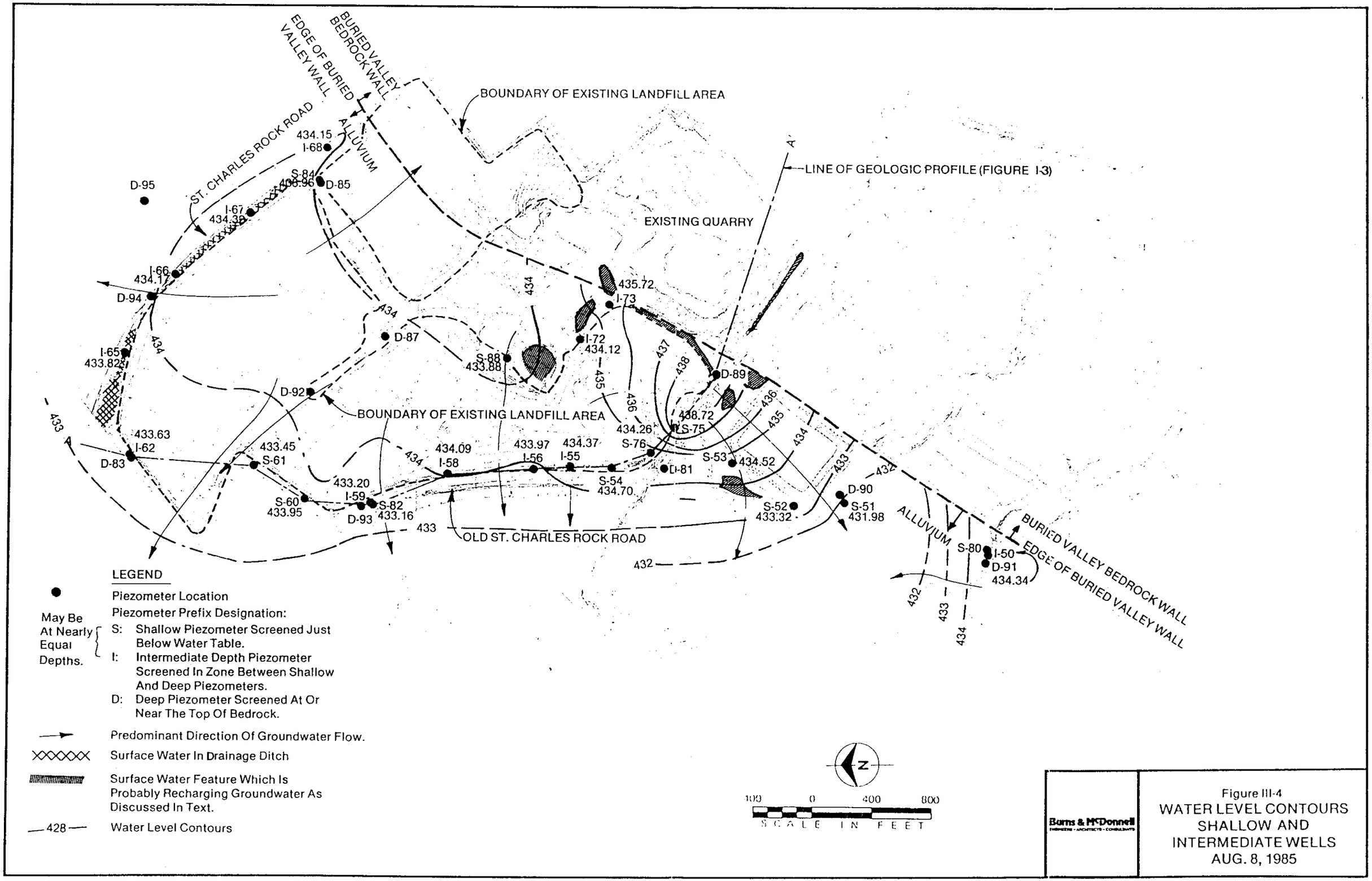


Figure III-4
WATER LEVEL CONTOURS
SHALLOW AND
INTERMEDIATE WELLS
AUG. 8, 1985

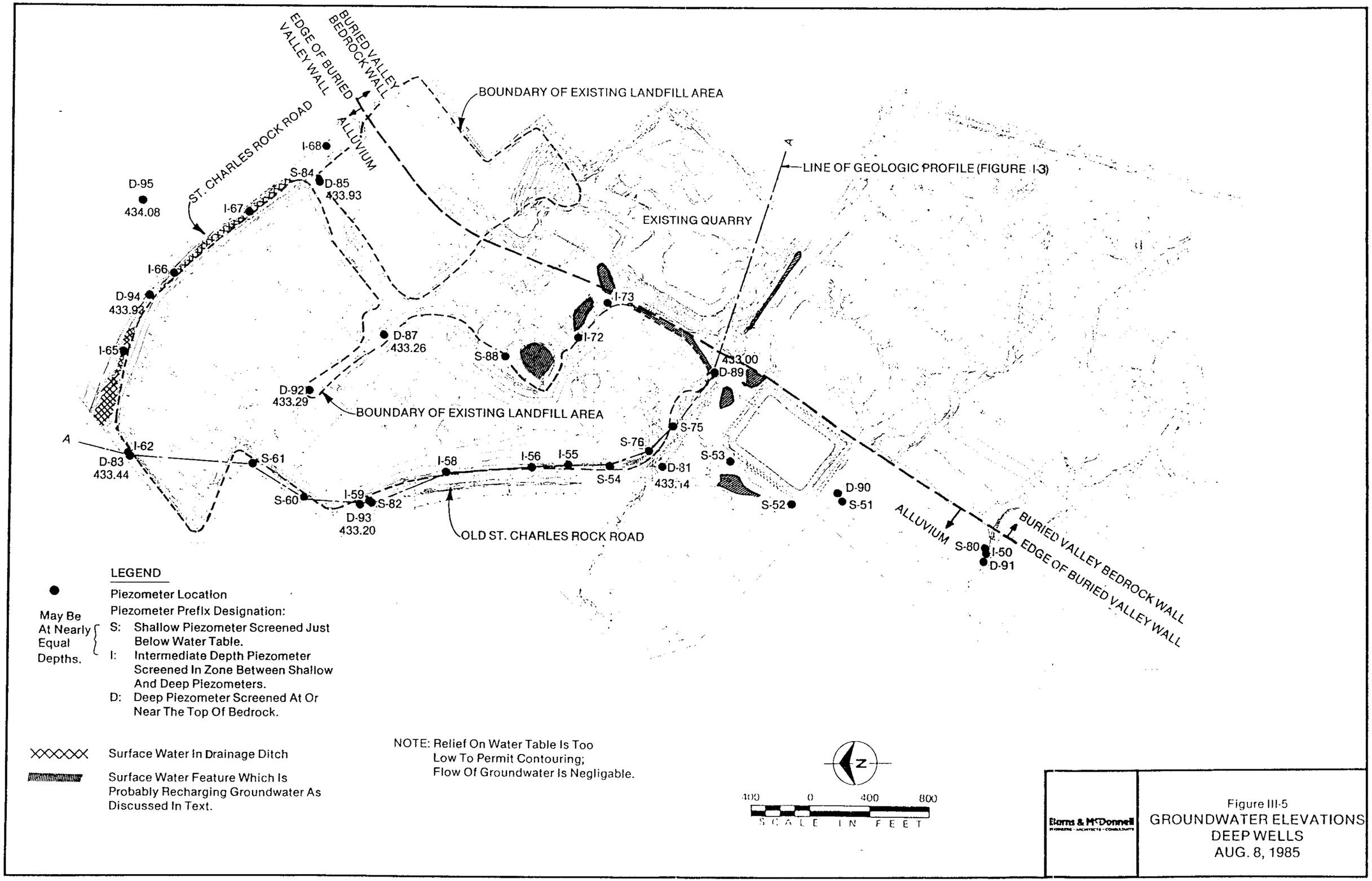


Figure III-5
GROUNDWATER ELEVATIONS
DEEP WELLS
AUG. 8, 1985

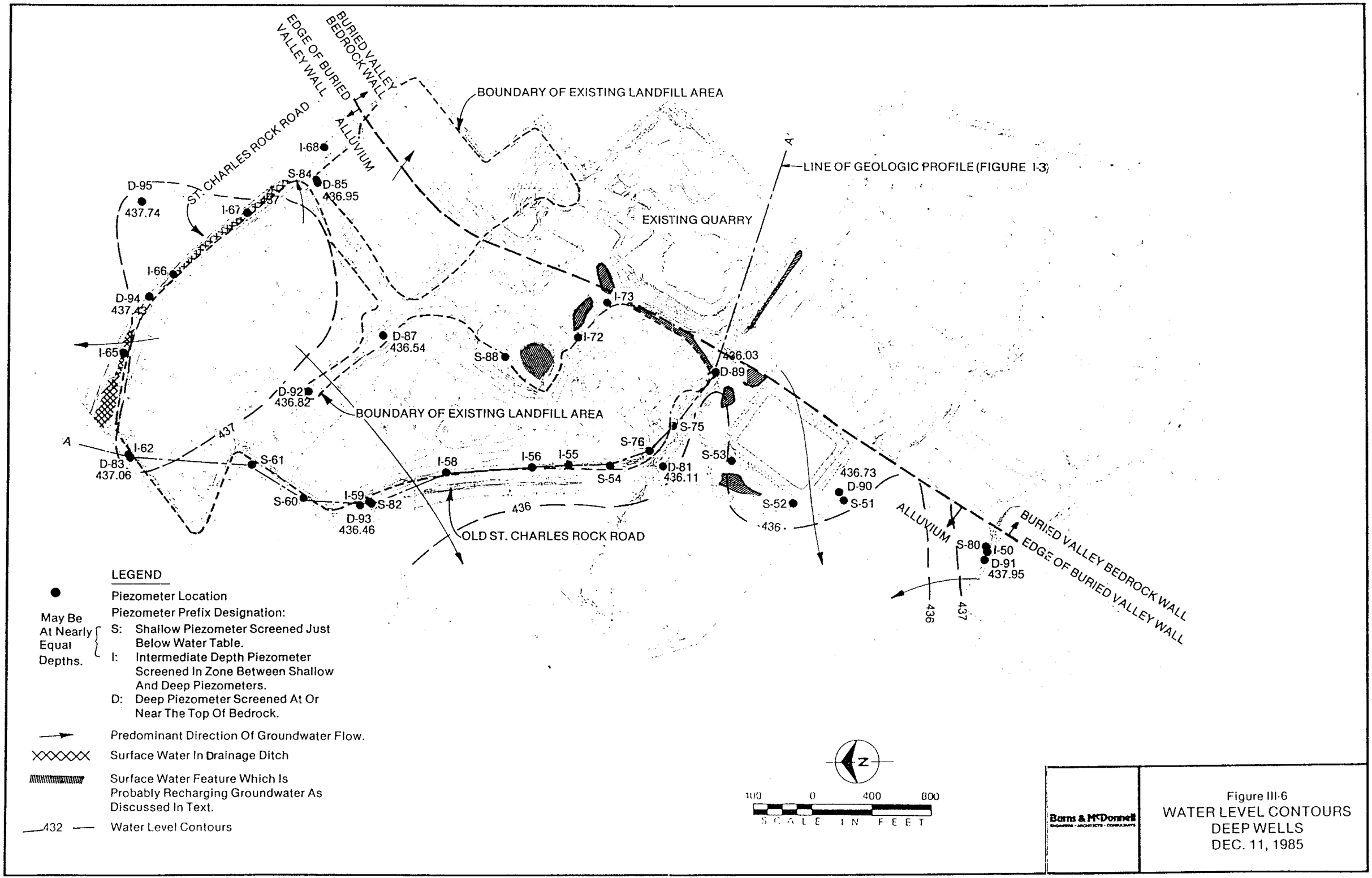


Figure III-6
WATER LEVEL CONTOURS
DEEP WELLS
DEC. 11, 1985

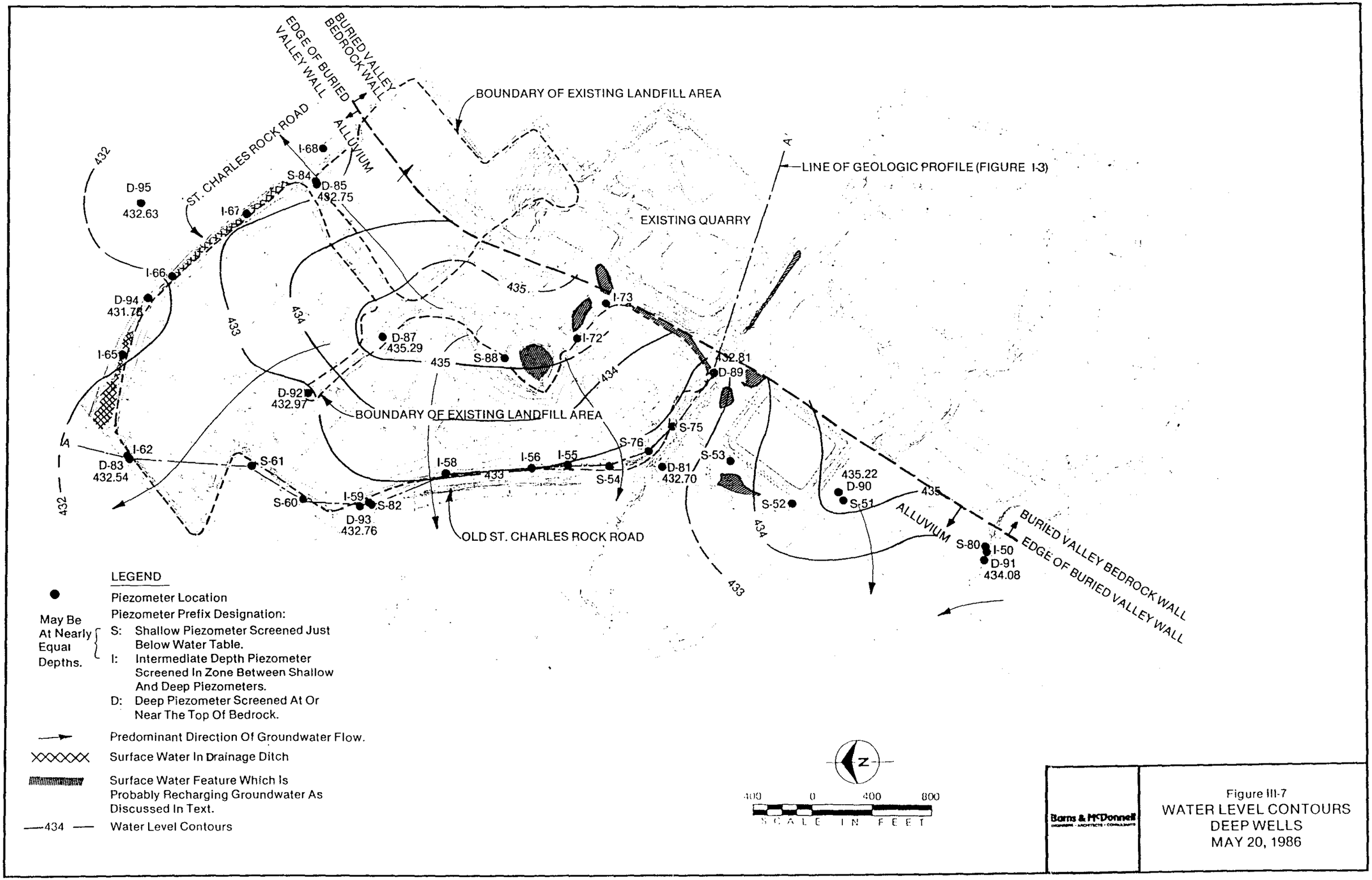
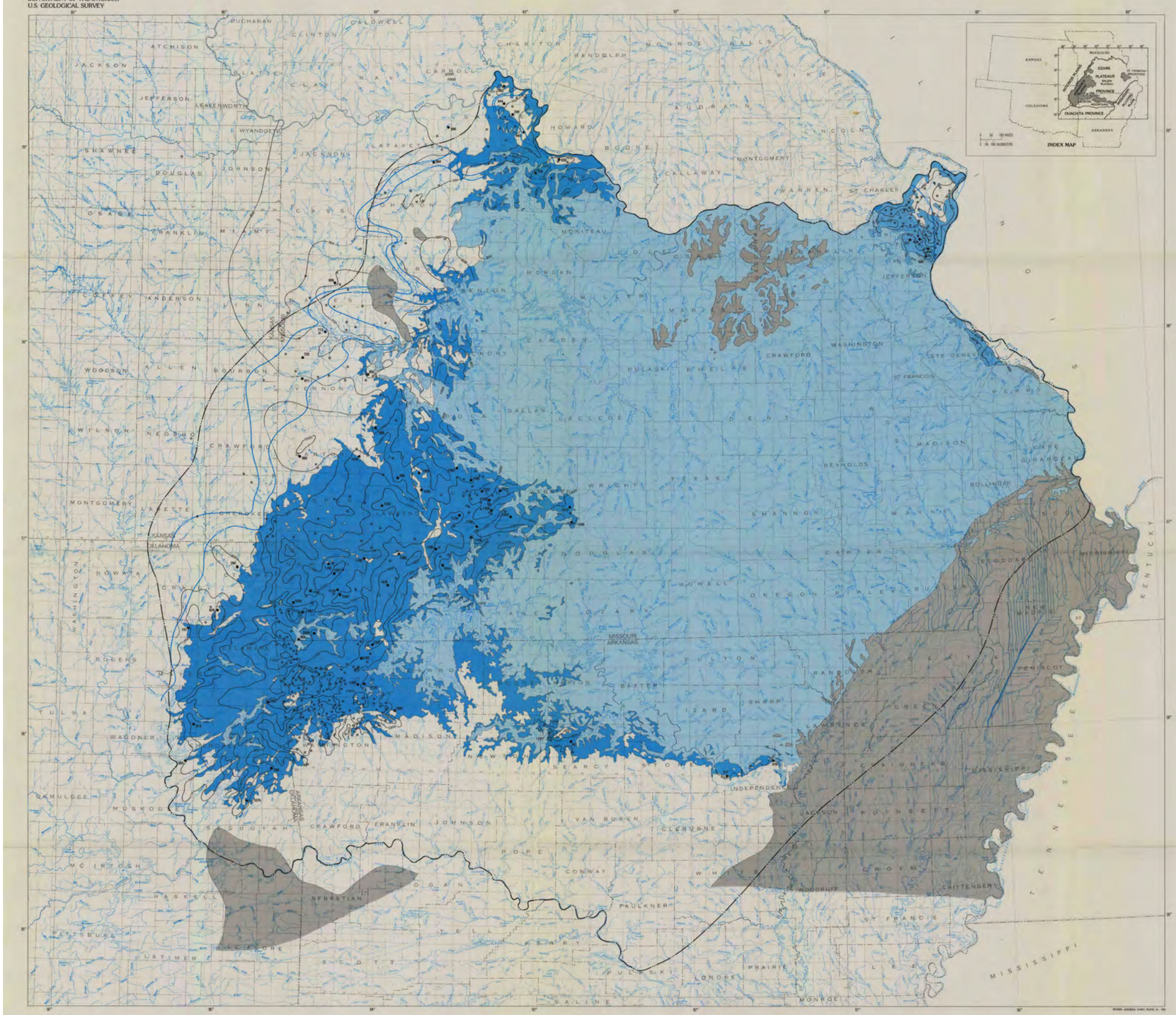


Figure III-7
WATER LEVEL CONTOURS
DEEP WELLS
MAY 20, 1986

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

HYDROLOGIC INVESTIGATIONS
ATLAS HA-711-G (SHEET 3 OF 3)



Base from U.S. Geological Survey
State base maps, 1:500,000: Arkansas, 1967; Kansas, 1962; Missouri, 1973; Oklahoma, 1972

Predevelopment potentiometric surface of Springfield Plateau aquifer

EXPLANATION

- Outcrop area of Springfield Plateau aquifer
- Outcrop area of unnamed geohydrologic units that are stratigraphically equivalent to the Springfield Plateau aquifer (see text)
- Outcrop area of rocks comprising geohydrologic units older than Springfield Plateau aquifer
- Area where Springfield Plateau aquifer and stratigraphically equivalent units are missing in subsurface
- Contact
- Approximate boundary of Ozark Plateaus aquifer system
- **Potentiometric contour**[1]—Shows altitude at which water levels would have stood in tightly cased wells open to Springfield Plateau aquifer and stratigraphically equivalent units. Contours line in outcrop area drawn consistent with surface topography. Contour interval, in feet, is variable. National Geodetic Vertical Datum of 1929
- **Line of equal dissolved-solids concentration**[1]—Data from which lines of equal dissolved-solids concentration are derived are not shown. Interval 1,000 milligrams per liter
- **Control data point**[1]—Part of Central Midwest Regional Aquifer-System Analysis data base. Number is altitude, in feet, of water level. National Geodetic Vertical Datum of 1929
- **Auxiliary control data point**[1]

[1]Contours, lines, and control points beyond the boundary of the Ozark Plateaus aquifer system are for units stratigraphically equivalent to those of the Ozark Plateaus aquifer system

GROUND-WATER MOVEMENT

The potentiometric surface of an aquifer is defined as the altitude to which water would rise in fully penetrating wells cased to the top of the aquifer. The predevelopment potentiometric surface represents that which existed before large-scale withdrawals of water from the aquifer. Assuming isotropic conditions, lateral movement of water within the aquifer is perpendicular to the lines of equal hydraulic head and the rate of flow is proportional to the hydraulic gradient (change in hydraulic head with distance).

Where the Springfield Plateau aquifer crops out and is unconfined, contours generally are drawn such that where a potentiometric contour crosses the trace of a perennial stream, the altitude of the ground-water potentiometric surface is approximately equal to the altitude of the stream.

Along the perimeter of the Ozark Plateaus province, the potentiometric surface of geologic units that comprise the Springfield Plateau aquifer is greatly affected by topography. In west-central Missouri and eastern Kansas, where the Springfield Plateau aquifer crops out in about one-third of the Ozark Plateaus province, the aquifer's freshwater flow system is controlled by a complex interaction with the regional saline-water flow system to the west of the province and by topographic relief. The approximate limit of fresh water to the west of the Ozark Plateaus province is depicted by 1,000 and 2,000 milligrams-per-liter dissolved-solids concentration lines. In common with the underlying Ozark aquifer (Chapter E) the transition zone between fresh water and saline water nearly coincides with the eastern limit of the overlying Western Interior Plains confining system (Chapter H). However, the effect of topography is more noticeable on the transition zone in the shallower Springfield Plateau aquifer as shown by the "finger" pattern of the potentiometric contours and lines of equal dissolved-solids concentration. Generally, three river valleys in this area (Blackwater, Marias des Cygnes, and South Grand) are discharge areas for the saline water. Fresh water in the Springfield Plateau aquifer moves westward between the river valleys then spreads radially to meet and mix with the saline water before discharging along the river valleys.

The Springfield Plateau aquifer is widely used for domestic- and stock-water supply in southwestern Missouri, northwestern Oklahoma, and northwestern Arkansas where the aquifer crops out and is unconfined. In this area water enters the aquifer from precipitation and moves laterally to discharge into streams or flow radially away from the Ozarks. In the eastern part of this area, ground water also leaks downward into the Ozark aquifer; however, in the western part the situation reverses and ground water moves vertically upward into the Springfield Plateau aquifer where it subsequently discharges into the Spring and Neosho River valleys. Because of the occurrence of large deposits of lead in Mississippian rocks of the tri-State (Missouri, Kansas, and Oklahoma) area, and the attendant water-quality problems associated with mining, the Springfield Plateau aquifer has been studied in some detail in the mining district (Spevall, 1984; and Feder and others, 1969, and references therein). Although the Springfield Plateau aquifer is used throughout the southwestern part of the Ozark Plateaus province, wells designed for large yields usually are open to both the Springfield Plateau aquifer and the underlying Ozark aquifer.

Little hydrologic data are available for the Springfield Plateau aquifer in northern Arkansas. Because the outcrop area occupies only a narrow band that parallels the outcrop area of the Ozark aquifer and because, like the Ozark aquifer, the Springfield Plateau aquifer dips beneath thick deposits of relatively impermeable Pennsylvanian rocks, the general ground-water flow patterns of the Springfield Plateau aquifer in northern Arkansas probably is similar to that of the Ozark aquifer (Chapter E). However, it must be emphasized that no data are available to support this hypothesis.

In Ste. Genevieve County, Missouri, the hydraulic gradient in geohydrologic units stratigraphically equivalent to the Springfield Plateau aquifer is northeast toward the Mississippi River where ground water discharges from the rocks. The rocks also receive water from the underlying Ozark aquifer in this area. In St. Louis and Jefferson Counties, Missouri, ground water moves from a northeast-trending ridge to the Missouri, Mississippi, and Meramec River valleys. A saline-water and fresh-water transition zone extending southeast through St. Louis County (note 1,000 milligrams-per-liter dissolved-solids concentration line) indicates the mixing zone between the freshwater flow system in the Ozark Plateaus province and a saline-water flow system to the northeast (Gleason, 1935).

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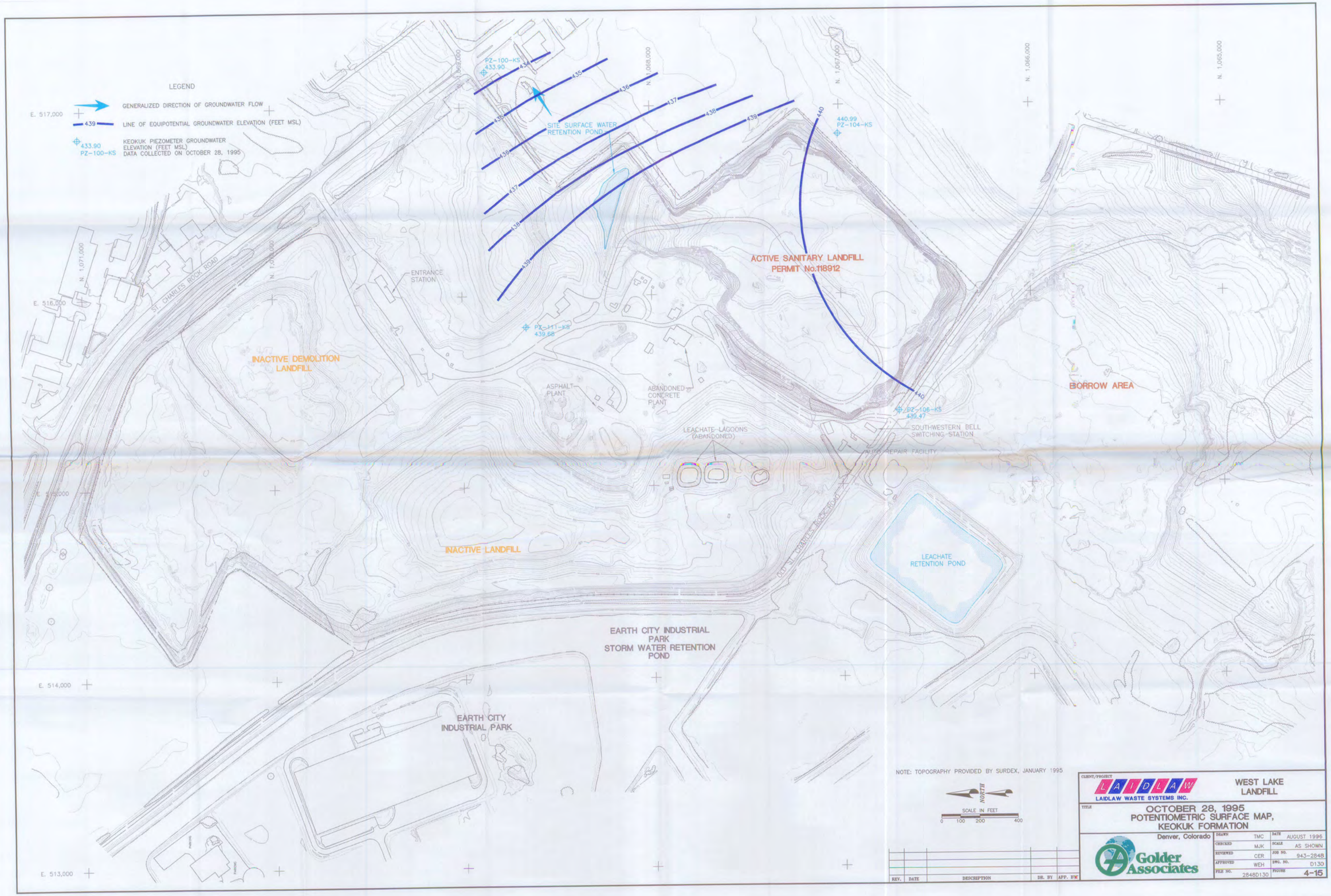
MAJOR GEOHYDROLOGIC UNITS IN AND ADJACENT TO THE OZARK PLATEAUS PROVINCE, MISSOURI, ARKANSAS, KANSAS, AND OKLAHOMA—SPRINGFIELD PLATEAU AQUIFER

By
Jeffrey L. Imes

1990



NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995

NORTH

SCALE IN FEET
0 100 200 400

REV.	DATE	DESCRIPTION	DR. BY	APP. BY

CLIENT/PROJECT
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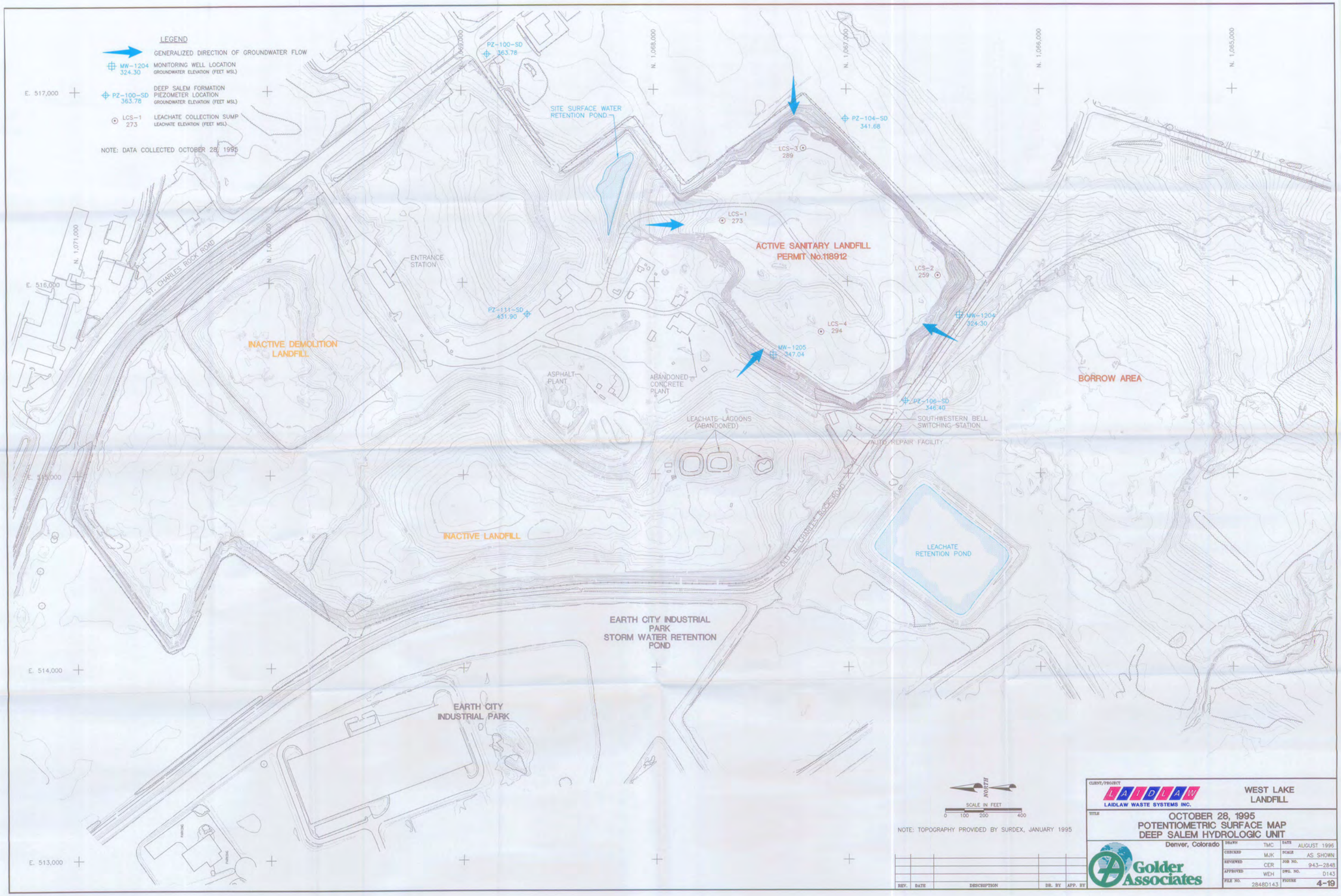
LAIDLAW WASTE SYSTEMS INC.

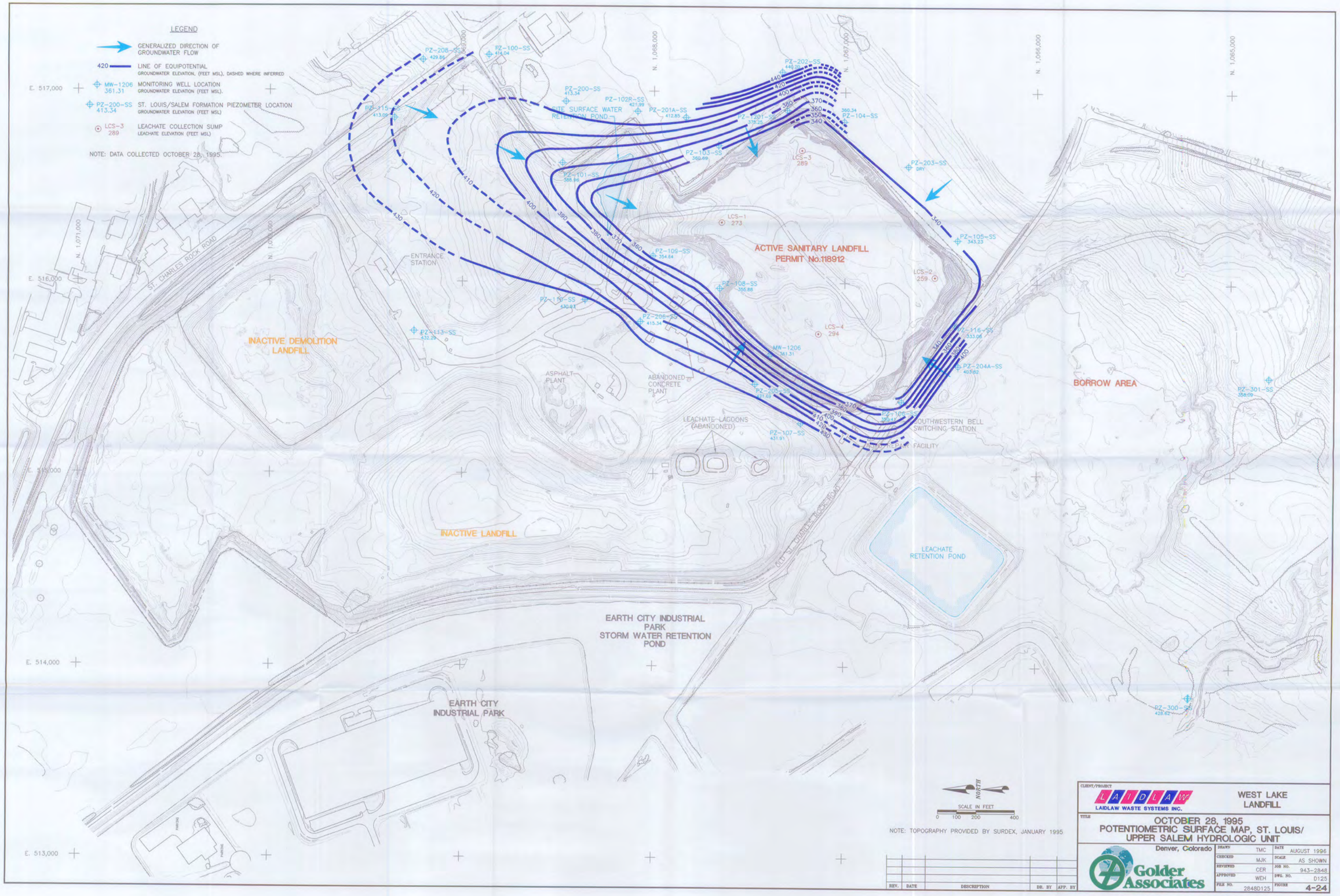
WEST LAKE LANDFILL

TITLE
OCTOBER 28, 1995
POTENTIOMETRIC SURFACE MAP,
KEOKUK FORMATION

Denver, Colorado
Golder Associates

DRAWN	TMC	DATE	AUGUST 1996
CHECKED	MJK	SCALE	AS SHOWN
REVIEWED	CER	JOB NO.	943-2848
APPROVED	WEH	DWG. NO.	D130
FILE NO.	2848D130	FIGURE	4-15


LEGEND
GENERALIZED DIRECTION OF GROUNDWATER FLOW
MW-1204 324.30 MONITORING WELL LOCATION GROUNDWATER ELEVATION (FEET MSL)
PZ-100-SD 363.78 DEEP SALEM FORMATION PIEZOMETER LOCATION GROUNDWATER ELEVATION (FEET MSL)
LCS-1 273 LEACHATE COLLECTION SUMP LEACHATE ELEVATION (FEET MSL)
NOTE: DATA COLLECTED OCTOBER 28, 1995
E. 517,000
E. 516,000
E. 515,000
E. 514,000
E. 513,000
N. 1,071,000
N. 1,070,000
N. 1,069,000
N. 1,068,000
N. 1,067,000
N. 1,066,000
N. 1,065,000
PZ-100-SD 363.78
SITE SURFACE WATER RETENTION POND
PZ-104-SD 341.68
LCS-3 289
LCS-1 273
ACTIVE SANITARY LANDFILL PERMIT No.118912
LCS-2 259
ENTRANCE STATION
ST. CHARLES ROCK ROAD
PZ-111-SD 431.90
LCS-4 294
MW-1204 324.30
MW-1205 347.04
INACTIVE DEMOLITION LANDFILL
ASPHALT PLANT
ABANDONED CONCRETE PLANT
BORROW AREA
PZ-106-SD 346.40
SOUTHWESTERN BELL SWITCHING STATION
LEACHATE LAGOONS (ABANDONED)
AUTO REPAIR FACILITY
OLD ST. CHARLES ROCK ROAD
INACTIVE LANDFILL
LEACHATE RETENTION POND
EARTH CITY INDUSTRIAL PARK STORM WATER RETENTION POND
EARTH CITY INDUSTRIAL PARK
NORTH
SCALE IN FEET
0 100 200 400
NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995
REV. DATE DESCRIPTION DR. BY APP. BY
CLIENT/PROJECT
LAIDLAW
LAIDLAW WASTE SYSTEMS INC.
WEST LAKE LANDFILL
TITLE
OCTOBER 28, 1995
POTENTIOMETRIC SURFACE MAP
DEEP SALEM HYDROLOGIC UNIT
Denver, Colorado
Golder Associates
DRAWN TMC
DATE AUGUST 1996
CHECKED MJK
SCALE AS SHOWN
REVIEWED CER
JOB NO. 943-2848
APPROVED WEH
DWG. NO. D143
FILE NO. 2848D143
FIGURE 4-19



REV.	DATE	DESCRIPTION	DR. BY	APP. BY

CLIENT/PROJECT: LAIDLAW — LAIDLAW WASTE SYSTEMS INC.

WEST LAKE LANDFILL

TITLE: OCTOBER 28, 1995
POTENTIOMETRIC SURFACE MAP, ST. LOUIS/ UPPER SALEM HYDROLOGIC UNIT

Golder Associates — Denver, Colorado

DRAWN	TMC	DATE	AUGUST 1996
CHECKED	MJK	SCALE	AS SHOWN
REVIEWED	CER	JOB NO.	943-2848
APPROVED	WEH	DWG. NO.	D125
FILE NO.	2848D125	FIGURE	4-24

LEGEND

GENERALIZED DIRECTION OF GROUNDWATER FLOW

PZ-205-AS 431.90 — ALLUVIAL PIEZOMETER (INSTALLED BY GOLDER) GROUNDWATER ELEVATION (FEET MSL)
AS = SHALLOW ALLUVIAL
AI = INTERMEDIATE ALLUVIAL
AD = DEEP ALLUVIAL

LR-104 432.04 — LEACHATE RISER LOCATION (INSTALLED BY GOLDER) GROUNDWATER ELEVATION (FEET MSL)

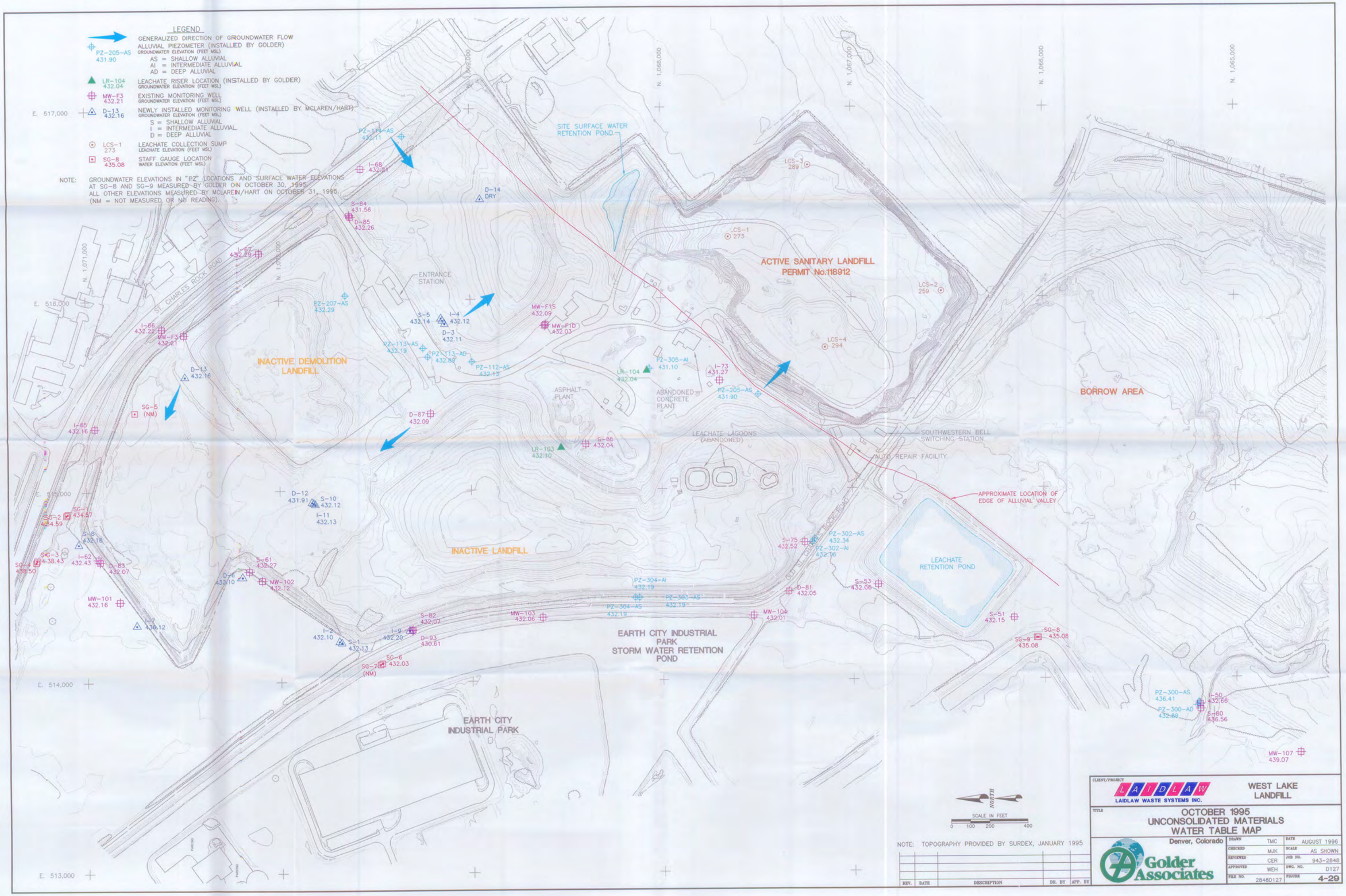
MW-F3 432.21 — EXISTING MONITORING WELL GROUNDWATER ELEVATION (FEET MSL)

D-13 432.16 — NEWLY INSTALLED MONITORING WELL (INSTALLED BY MCLAREN/HART) GROUNDWATER ELEVATION (FEET MSL)
S = SHALLOW ALLUVIAL
I = INTERMEDIATE ALLUVIAL
D = DEEP ALLUVIAL

LCS-1 273 — LEACHATE COLLECTION SUMP LEACHATE ELEVATION (FEET MSL)

SG-8 435.08 — STAFF GAUGE LOCATION WATER ELEVATION (FEET MSL)

NOTE: GROUNDWATER ELEVATIONS IN "PZ" LOCATIONS AND SURFACE WATER ELEVATIONS AT SG-8 AND SG-9 MEASURED BY GOLDER ON OCTOBER 30, 1995. ALL OTHER ELEVATIONS MEASURED BY MCLAREN/HART ON OCTOBER 31, 1995. (NM = NOT MEASURED, OR NO READING).



NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995

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WEST LAKE LANDFILL

TITLE: OCTOBER 1995 UNCONSOLIDATED MATERIALS WATER TABLE MAP

Denver, Colorado

Golder Associates

DRAWN	TMC	DATE	AUGUST 1996
CHECKED	MJK	SCALE	AS SHOWN
REVIEWED	CER	JOB NO.	943-2848
APPROVED	WEH	DWG. NO.	D127
FILE NO.	28480127	FIGURE	4-29

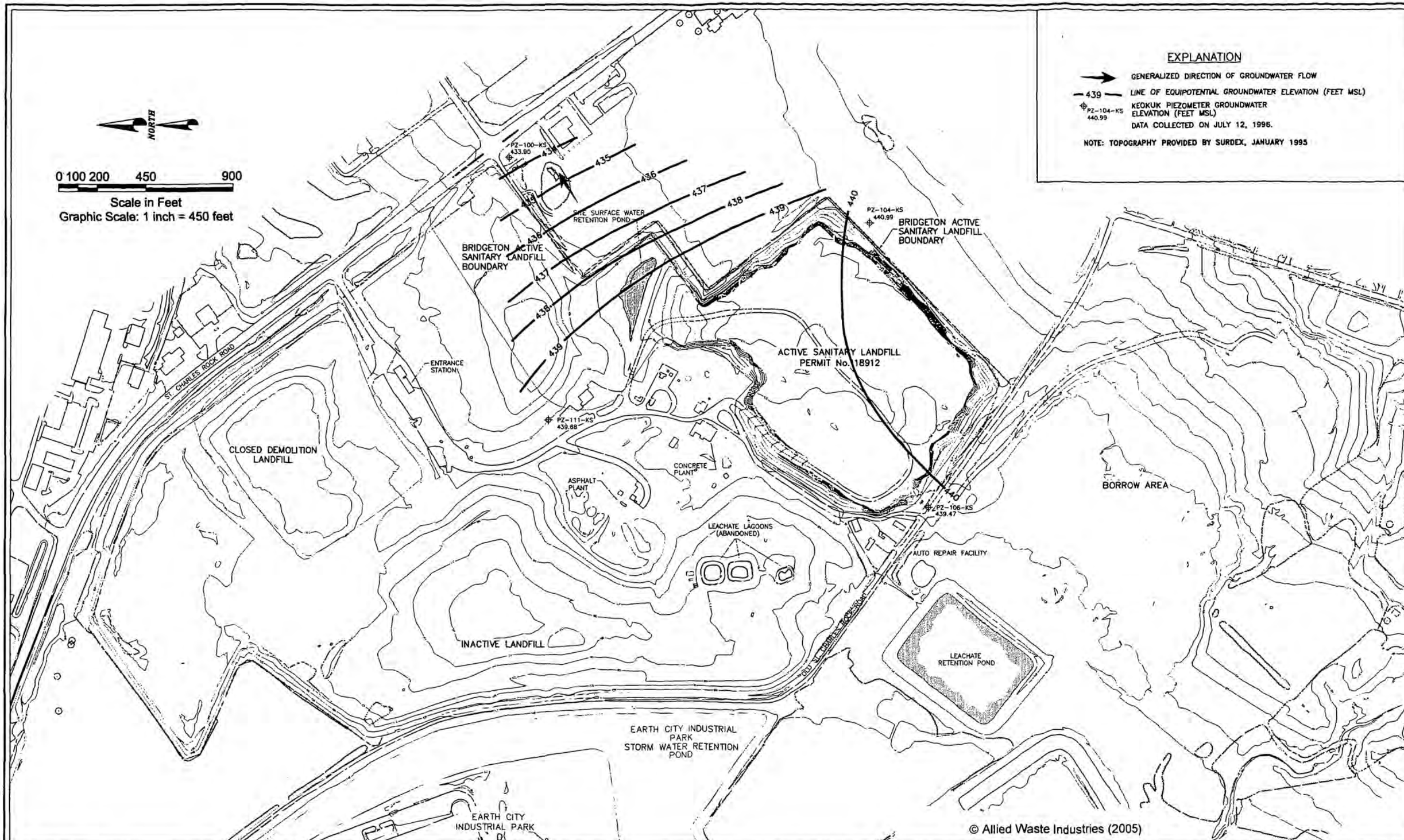

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Figure 3-13
Keokuk Hydrologic Unit
October 28, 1995
Potentiometric Surface Map

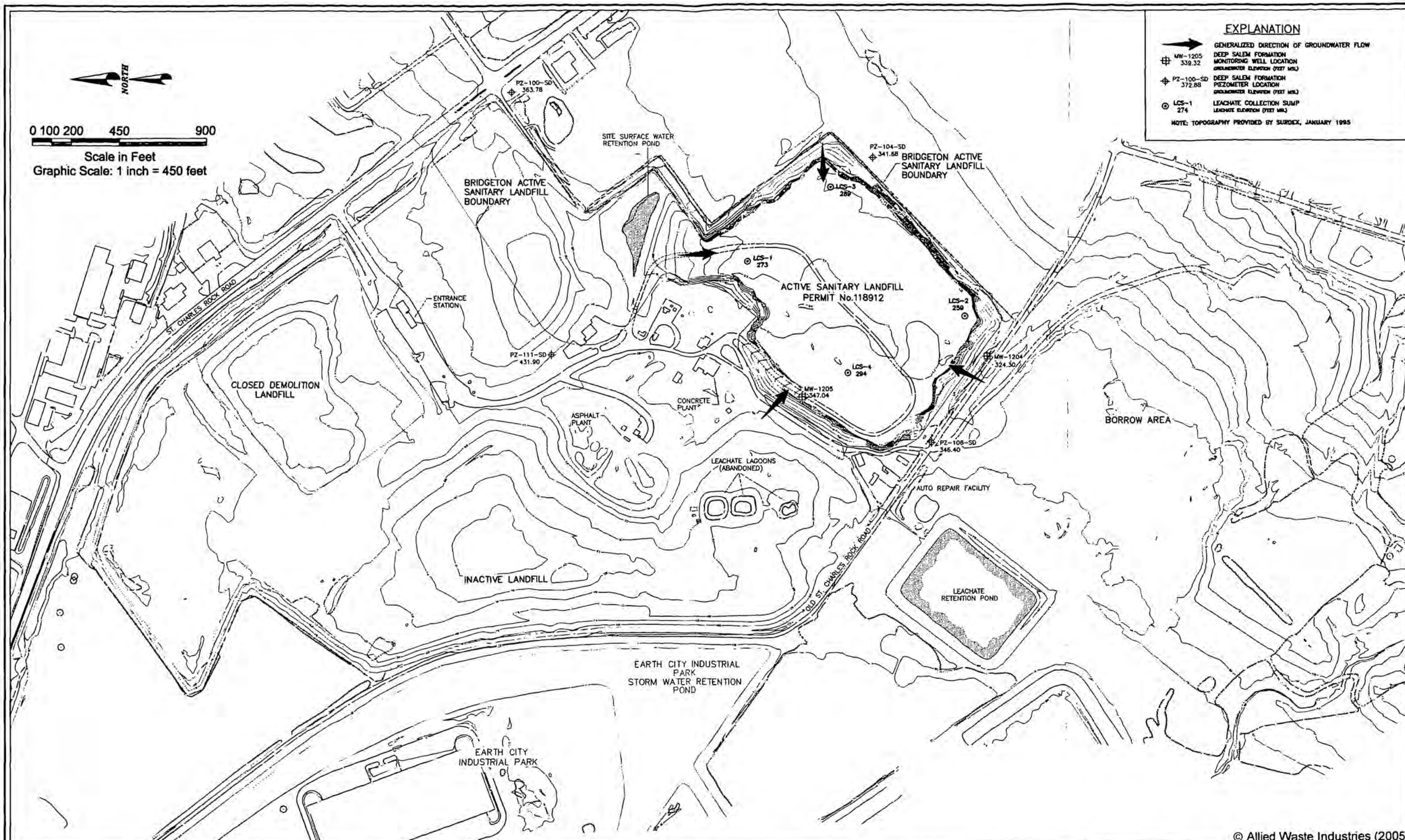

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Figure 3-21
Deep Salem Hydrologic Unit
October 28, 1995
Potentiometric Surface Map

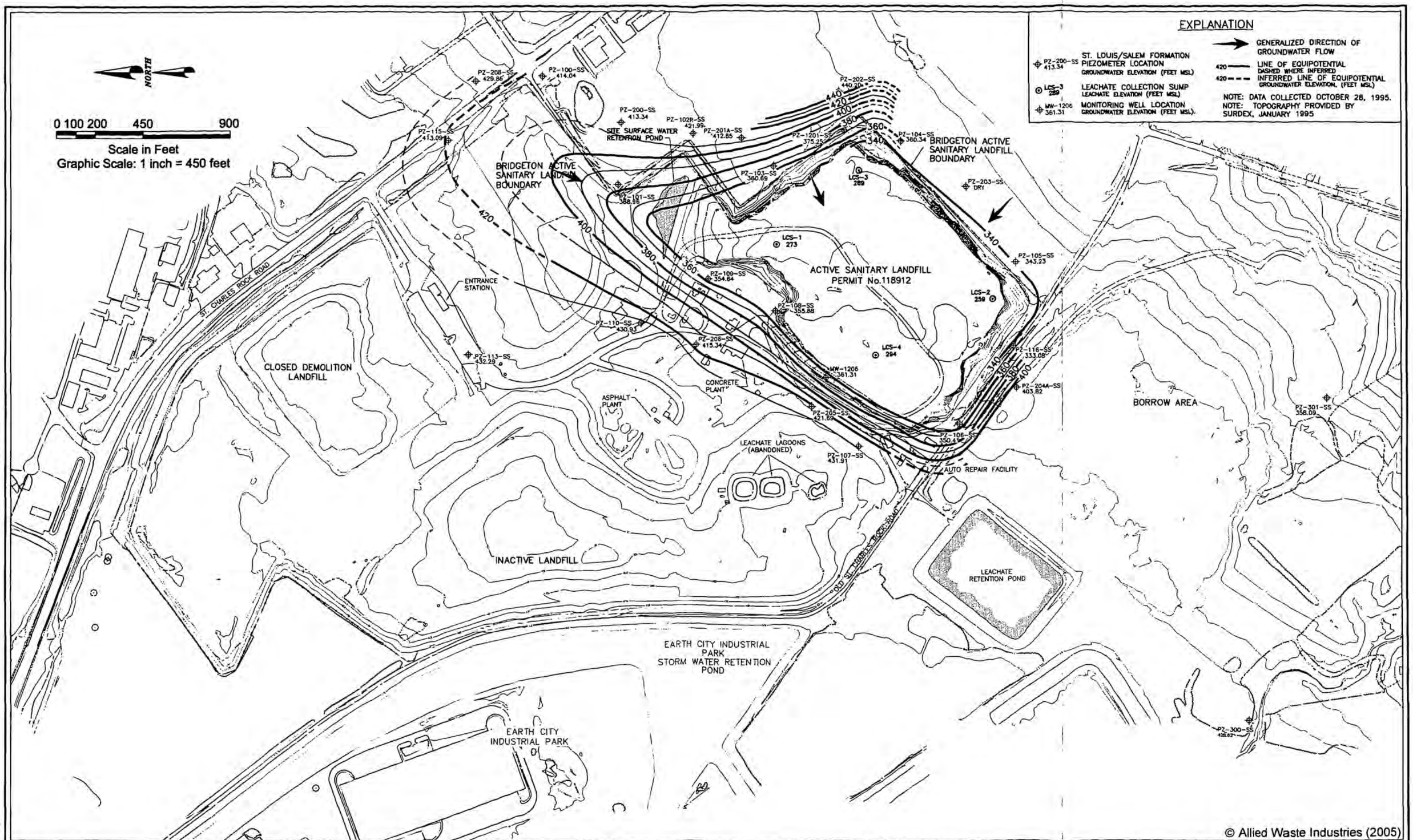

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Figure 3-29
St. Louis/Upper Salem Hydrologic Unit
October 28, 1995
Potentiometric Surface Map

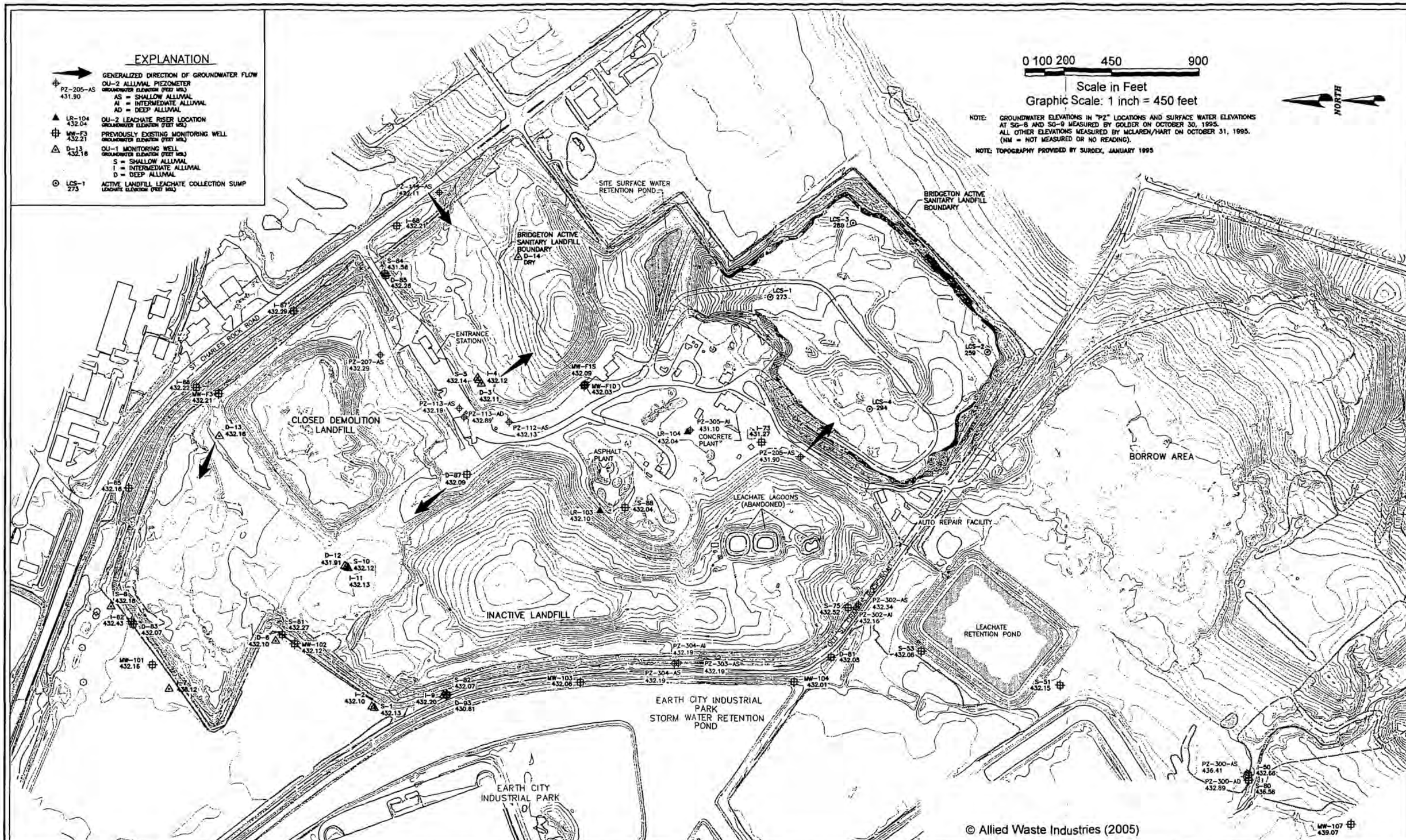

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Figure 3-37
Unconsolidated Material
October 28, 1995
Water Table Map

M:\clients\EMSI\westlake\2017\RI-Addendum-edits\Appendix-K\Fig-K1.1-Alluvial AWT-10-95.dwg 1/22/18

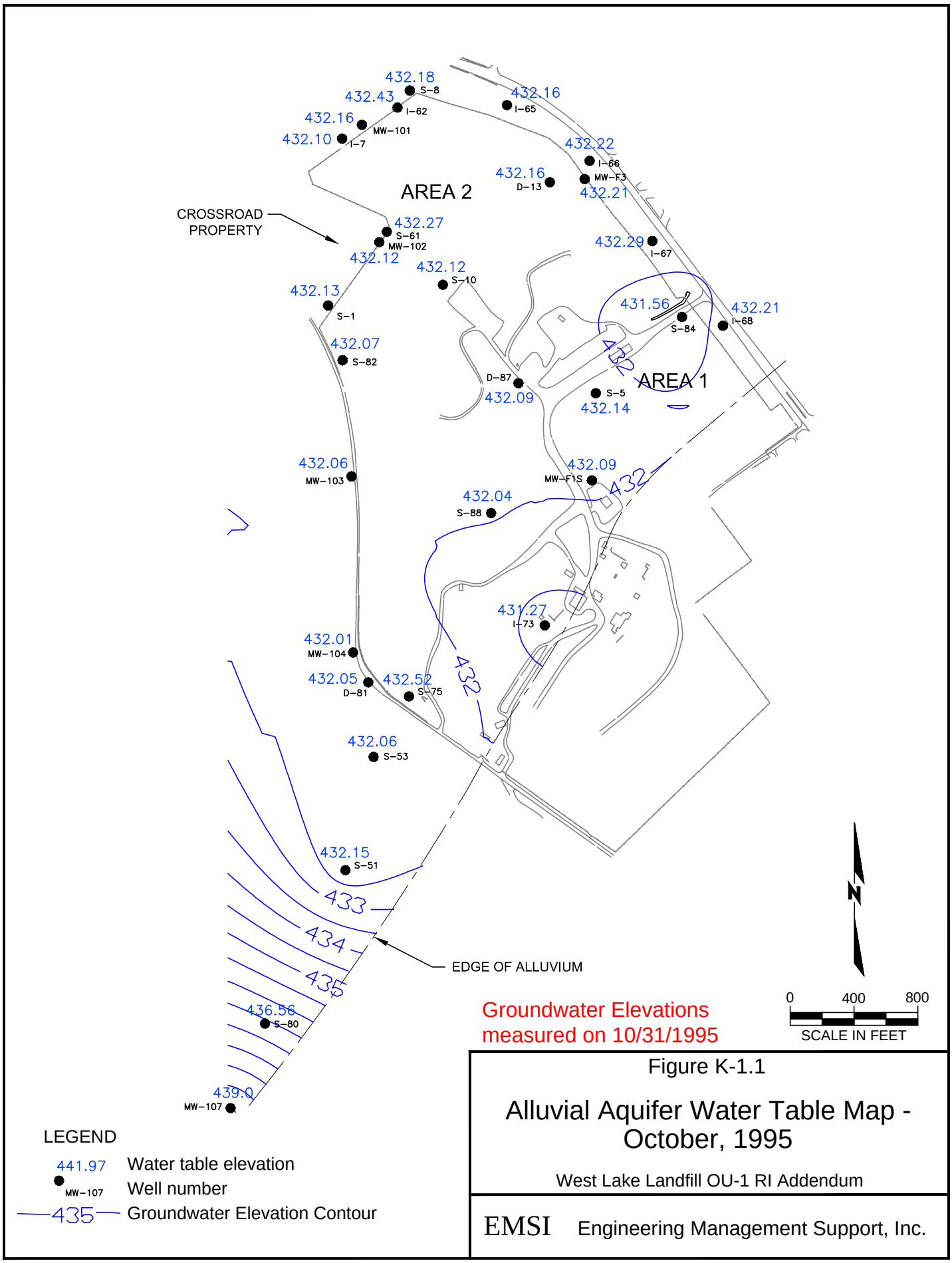

Figure K-1.1

Alluvial Aquifer Water Table Map - October, 1995

West Lake Landfill OU-1 RI Addendum

EMSI Engineering Management Support, Inc.

NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995

NORTH

SCALE IN FEET

0 100 200 400

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CLIENT/PROJECT

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LAIDLAW WASTE SYSTEMS INC.

WEST LAKE LANDFILL

TITLE

JANUARY 4, 1996
POTENTIOMETRIC SURFACE MAP,
KEOKUK FORMATION

Denver, Colorado

Golder Associates

DRAWN	TMC	DATE	AUGUST 1996
CHECKED	MJK	SCALE	AS SHOWN
REVIEWED	CER	JOB NO.	943-2848
APPROVED	WEH	DWG. NO.	D133
FILE NO.	2848D133	FIGURE	4-16

LEGEND

GENERALIZED DIRECTION OF GROUNDWATER FLOW

MW-1204 306.96 — MONITORING WELL LOCATION, GROUNDWATER ELEVATION (FEET MSL)

PZ-100-SD 355.04 — DEEP SALEM FORMATION PIEZOMETER LOCATION, GROUNDWATER ELEVATION (FEET MSL)

LCS-1 272 — LEACHATE COLLECTION SUMP, LEACHATE ELEVATION (FEET MSL)

NOTE: DATA COLLECTED JANUARY 4, 1996

E. 517,000
E. 516,000
E. 515,000
E. 514,000
E. 513,000
N. 1,071,000
N. 1,070,000
N. 1,069,000
N. 1,068,000
N. 1,067,000
N. 1,066,000
N. 1,065,000

PZ-100-SD 355.04
SITE SURFACE WATER RETENTION POND
PZ-104-SD 343.15
LCS-3 267
LCS-1 272
ACTIVE SANITARY LANDFILL PERMIT No.118912
LCS-2 264
LCS-4 280
MW-1204 306.96
MW-1205 339.32
PZ-106-SD 341.52
SOUTHWESTERN BELL SWITCHING STATION
AUTO REPAIR FACILITY
ST. CHARLES ROCK ROAD
ENTRANCE STATION
PZ-111-SD 430.63
INACTIVE DEMOLITION LANDFILL
ASPHALT PLANT
ABANDONED CONCRETE PLANT
LEACHATE LAGOONS (ABANDONED)
BORROW AREA
OLD ST. CHARLES ROCK ROAD
LEACHATE RETENTION POND
INACTIVE LANDFILL
EARTH CITY INDUSTRIAL PARK STORM WATER RETENTION POND
EARTH CITY INDUSTRIAL PARK
PARKING

NORTH

SCALE IN FEET
0 100 200 400

NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995

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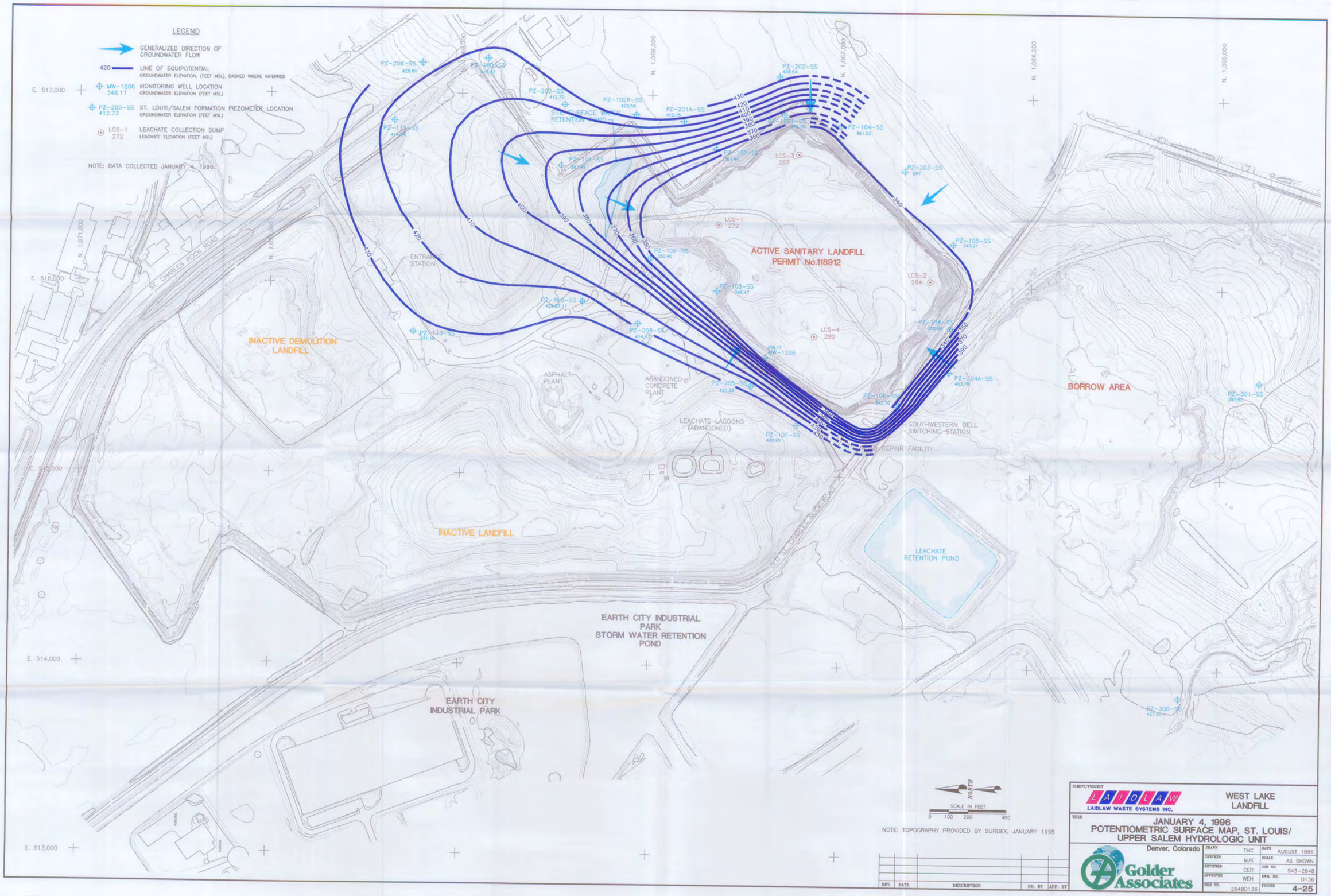
WEST LAKE LANDFILL

TITLE: JANUARY 4, 1996 POTENTIOMETRIC SURFACE MAP DEEP SALEM HYDROLOGIC UNIT

Denver, Colorado

Golder Associates

DRAWN	TMC	DATE	AUGUST 1996
CHECKED	MJK	SCALE	AS SHOWN
REVIEWED	CER	JOB NO.	943-2848
APPROVED	WEH	DWG. NO.	D146
FILE NO.	2848D146	FIGURE	4-20



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WEST LAKE LANDFILL

TITLE
JANUARY 4, 1996
POTENTIOMETRIC SURFACE MAP, ST. LOUIS/ UPPER SALEM HYDROLOGIC UNIT

Golder Associates
Denver, Colorado

DRAWN	TMC	DATE	AUGUST 1996
CHECKED	MJK	SCALE	AS SHOWN
REVIEWED	CER	JOB NO.	943-2848
APPROVED	WEH	DWG. NO.	D136
FILE NO.	2848D136	FIGURE	4-25

LEGEND

GENERALIZED DIRECTION OF GROUNDWATER FLOW

PZ-205-AS 430.98 — ALLUVIAL PIEZOMETER (INSTALLED BY GOLDER) GROUNDWATER ELEVATION (FEET MSL)
AS = SHALLOW ALLUVIAL
AI = INTERMEDIATE ALLUVIAL
AD = DEEP ALLUVIAL

LR-104 431.01 — LEACHATE RISER LOCATION (INSTALLED BY GOLDER) GROUNDWATER ELEVATION (FEET MSL)

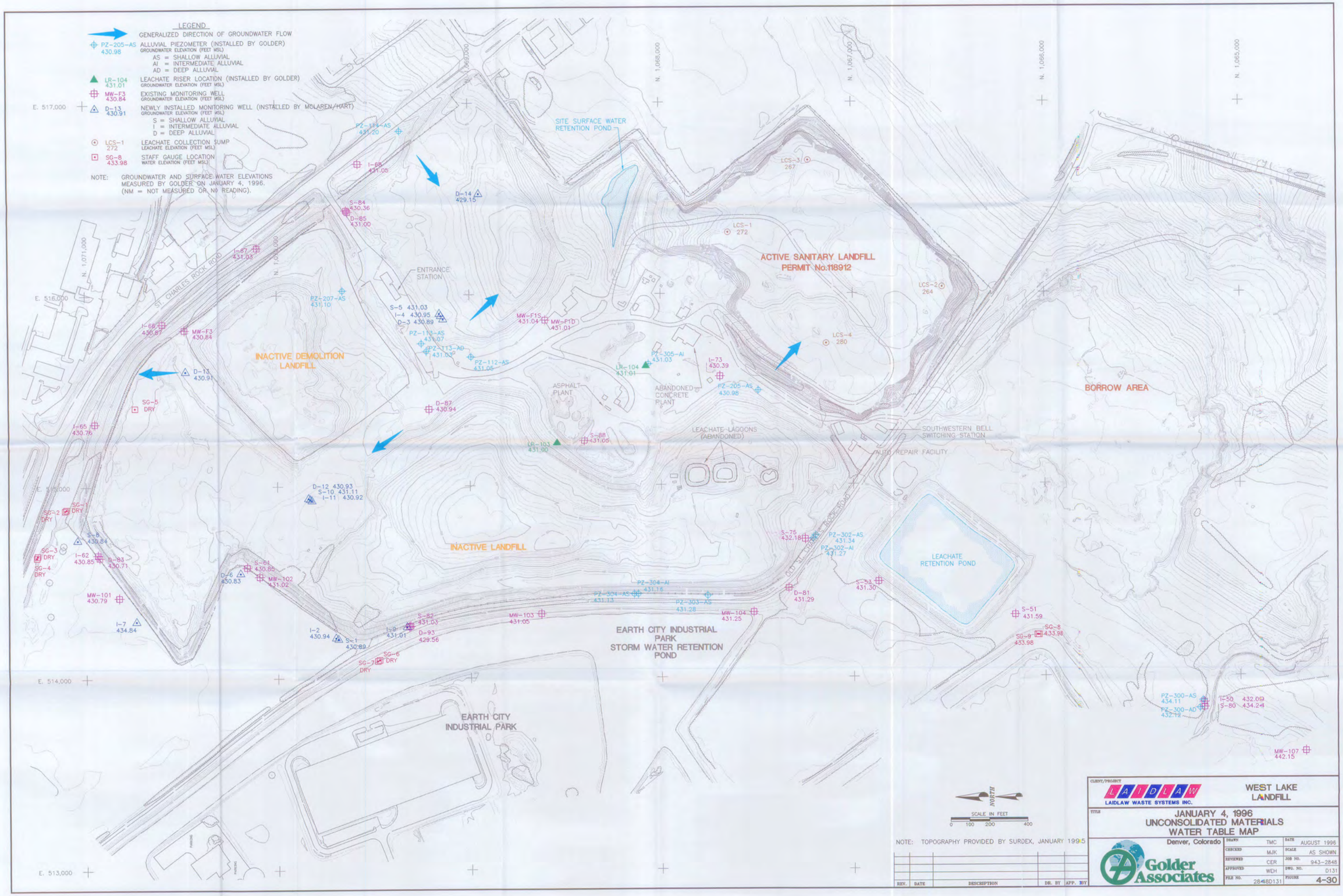
MW-F3 430.84 — EXISTING MONITORING WELL GROUNDWATER ELEVATION (FEET MSL)

D-13 430.91 — NEWLY INSTALLED MONITORING WELL (INSTALLED BY McLAREN/HART) GROUNDWATER ELEVATION (FEET MSL)
S = SHALLOW ALLUVIAL
I = INTERMEDIATE ALLUVIAL
D = DEEP ALLUVIAL

LCS-1 272 — LEACHATE COLLECTION SUMP LEACHATE ELEVATION (FEET MSL)

SG-8 433.98 — STAFF GAUGE LOCATION WATER ELEVATION (FEET MSL)

NOTE: GROUNDWATER AND SURFACE WATER ELEVATIONS MEASURED BY GOLDER ON JANUARY 4, 1996. (NM = NOT MEASURED OR NO READING).



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TITLE: JANUARY 4, 1996 UNCONSOLIDATED MATERIALS WATER TABLE MAP

Denver, Colorado

Golder Associates

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CHECKED	MJK	SCALE	AS SHOWN
REVIEWED	CER	JOB NO.	943-2848
APPROVED	WEH	DWG. NO.	0131
FILE NO.	2848D131	FIGURE	4-30

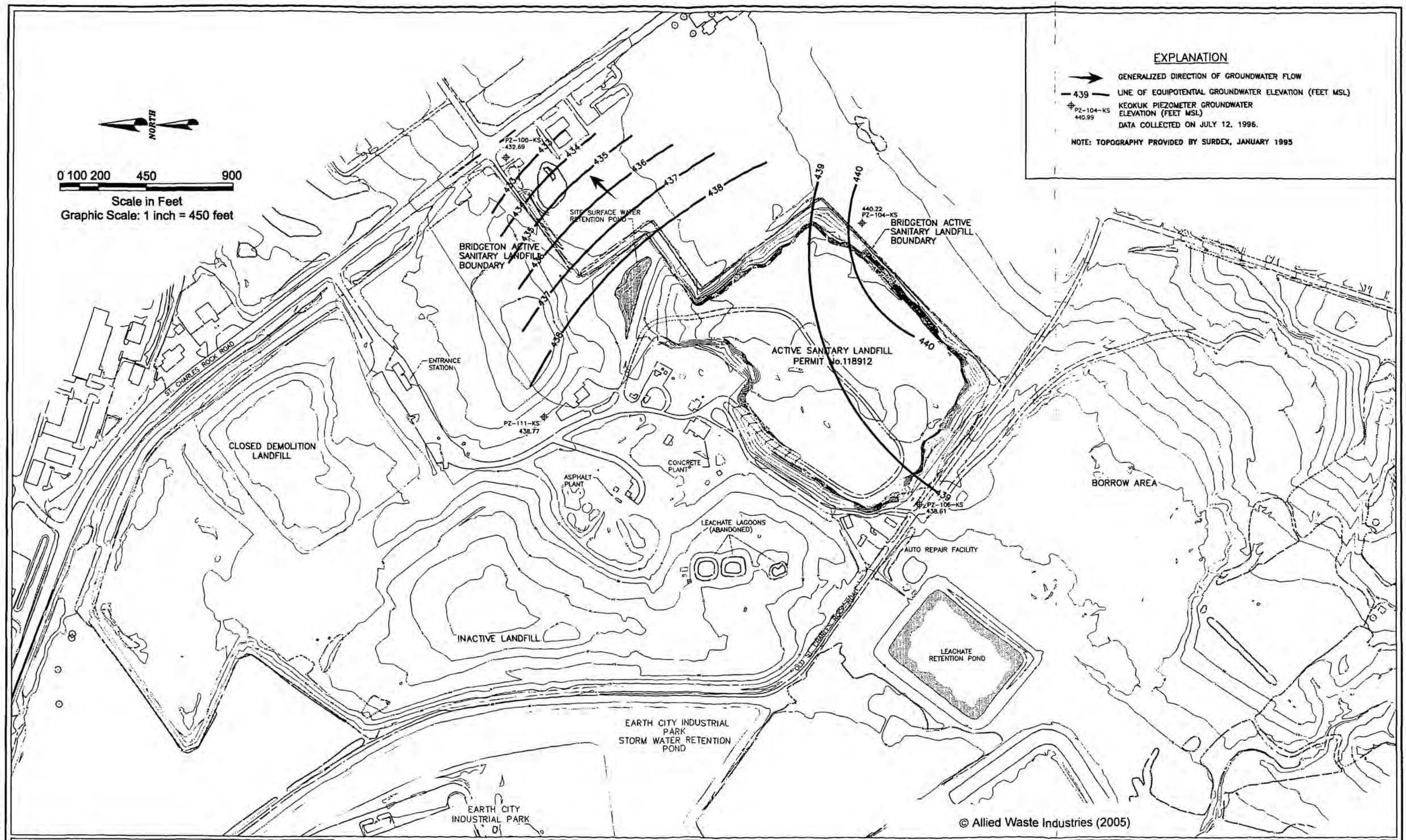

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Figure 3-14
Keokuk Hydrologic Unit
January 4, 1996
Potentiometric Surface Map

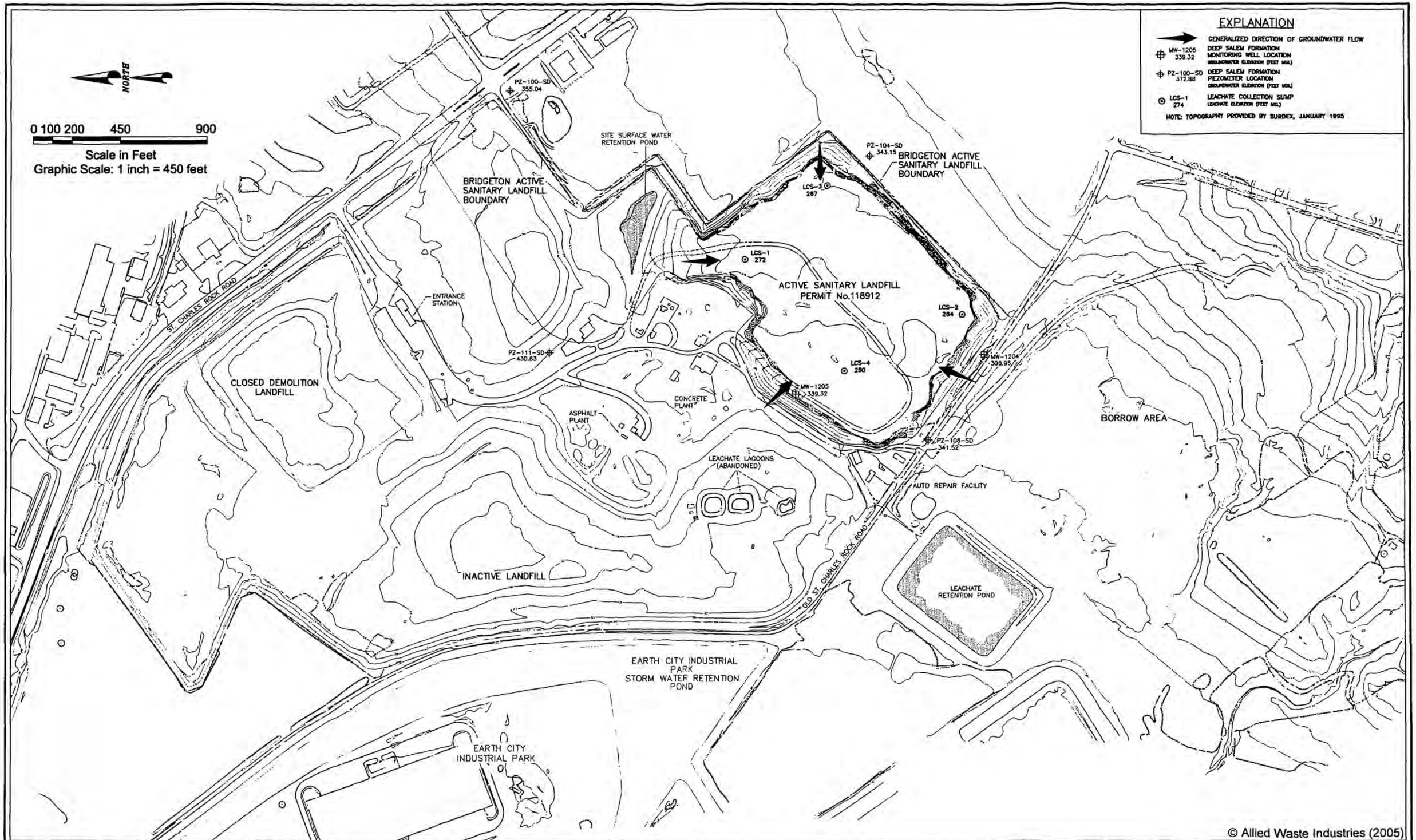

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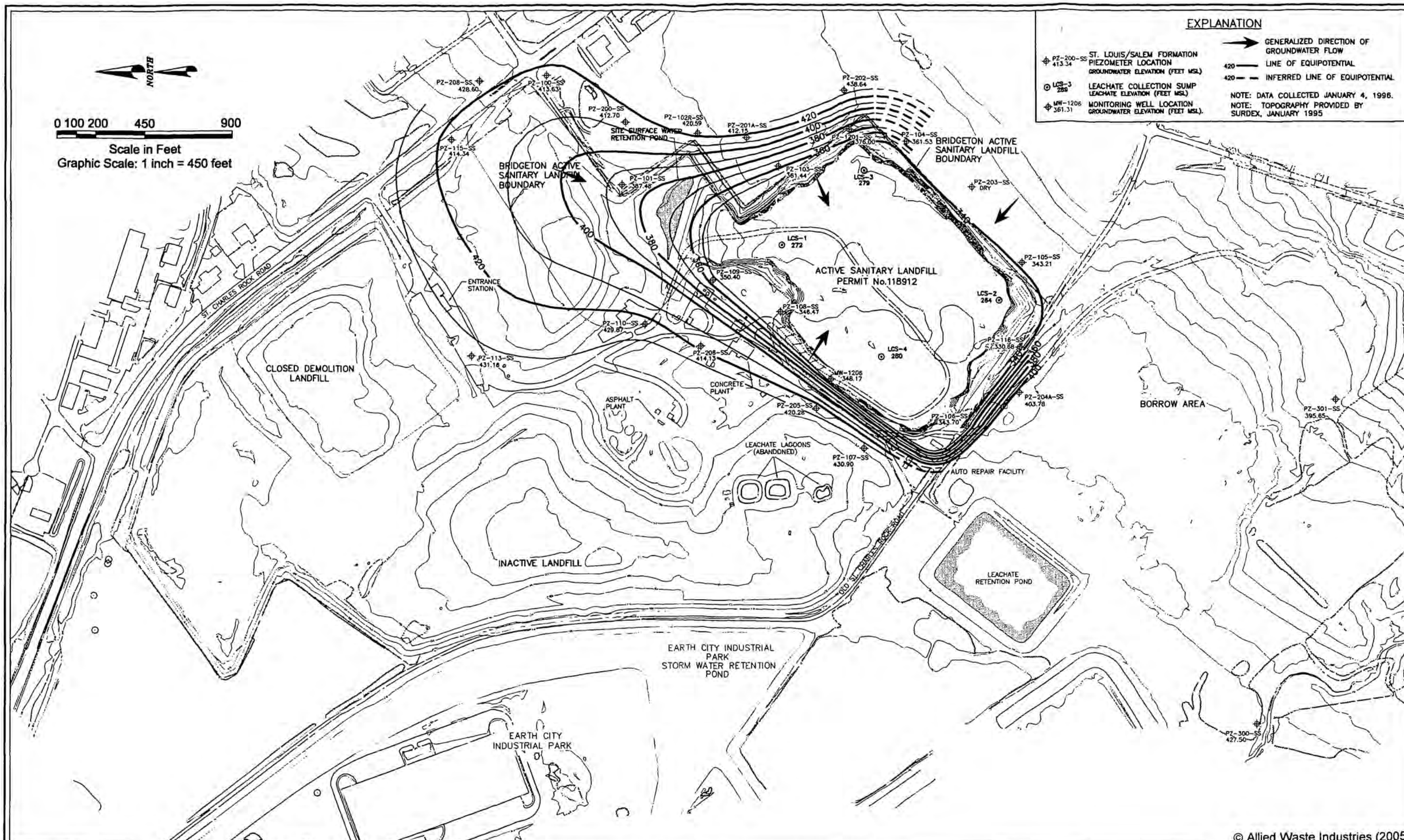
Figure 3-22
Deep Salem Hydrologic Unit
January 4, 1996
Potentiometric Surface Map



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West Lake Landfill OU-2
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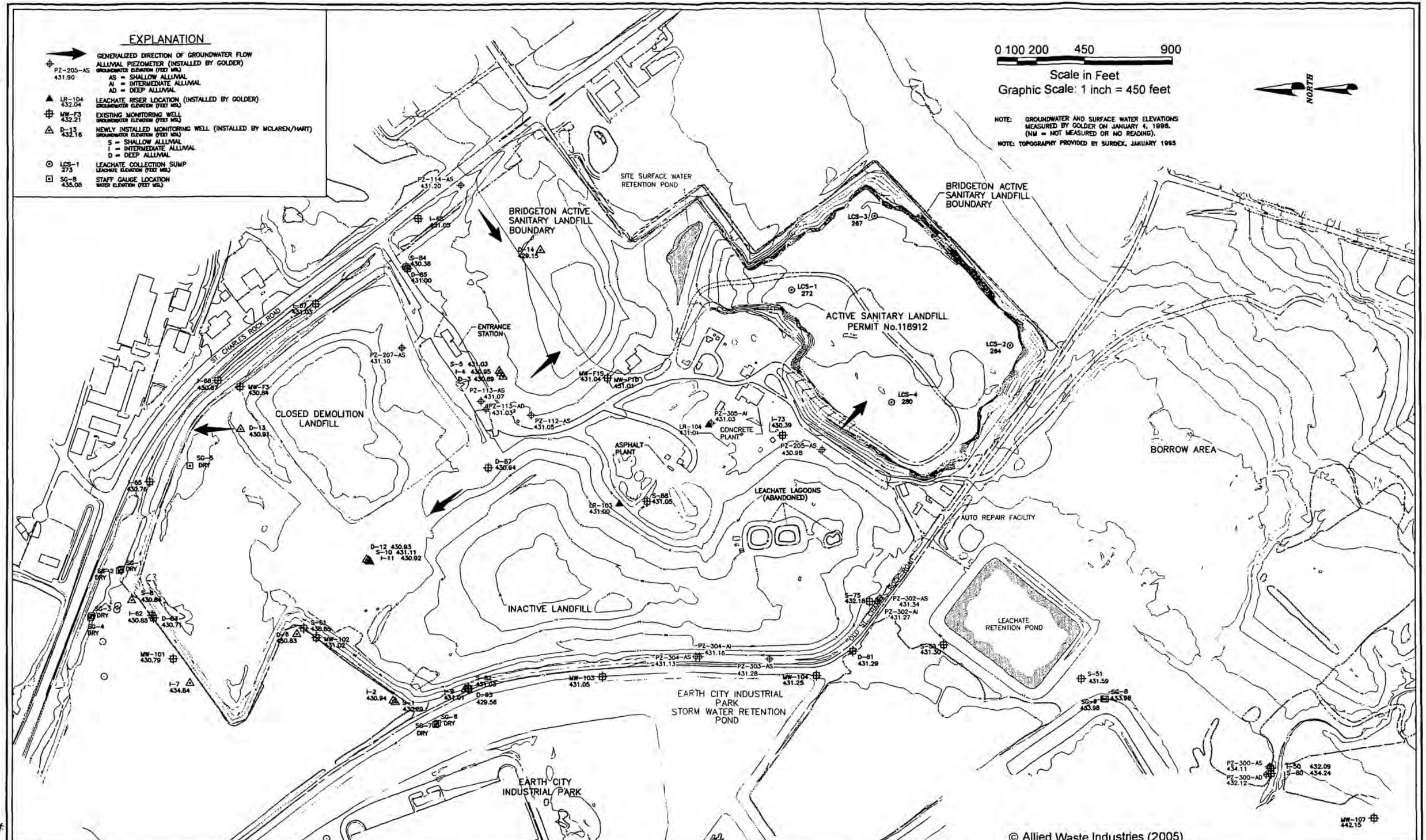
Figure 3-30
St. Louis/Upper Salem Hydrologic Unit
January 4, 1996
Potentiometric Surface Map



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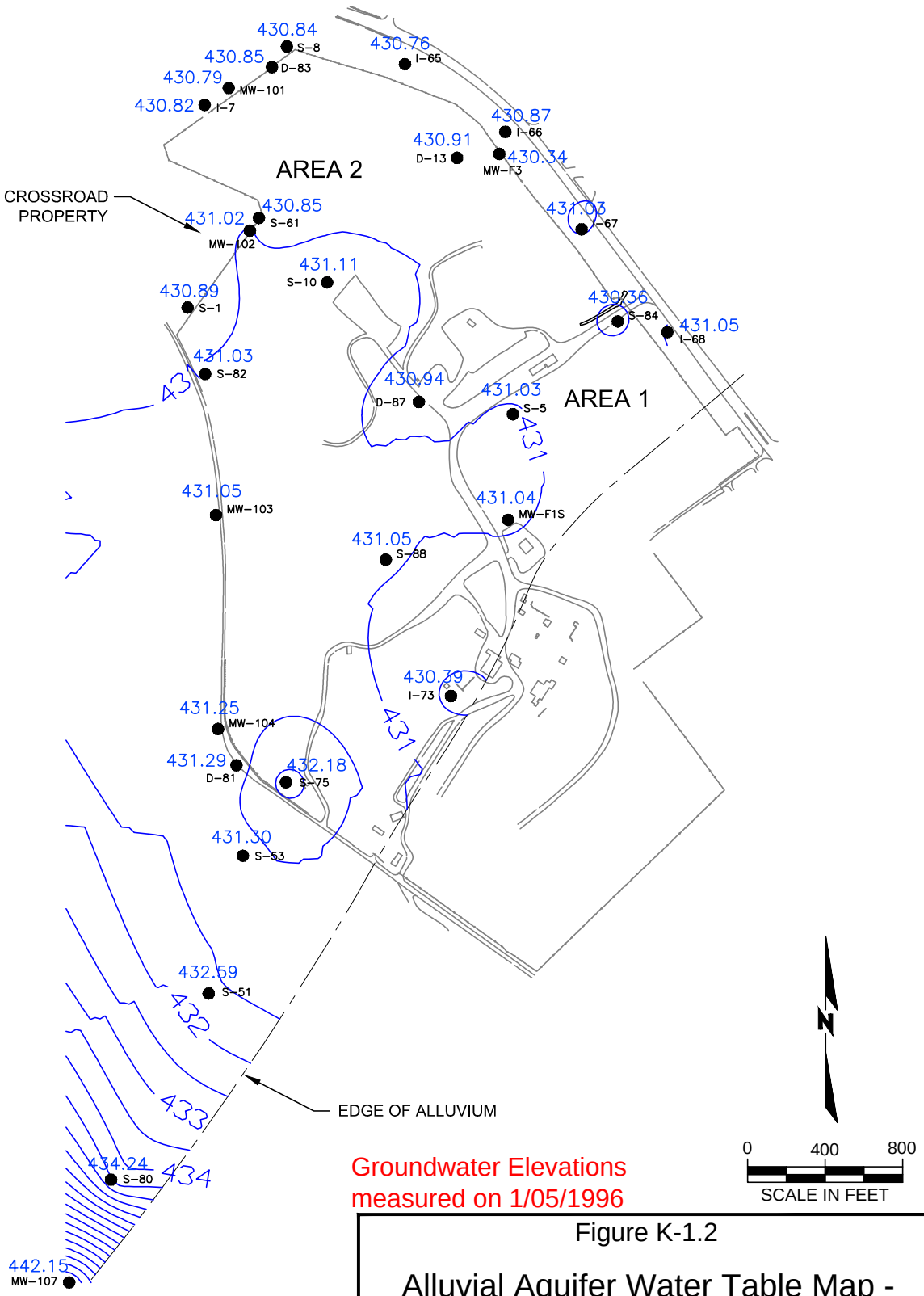
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-38
Unconsolidated Material
January 4, 1996
Water Table Map

M:\clients\EMSI\westlake\2017\RI-Addendum-edits\Appendix-K\Fig-K1.2-Alluvial AWT-01-96.dwg 1/22/18



Groundwater Elevations measured on 1/05/1996

LEGEND

441.97 Water table elevation

MW-107 Well number

435 Groundwater Elevation Contour

Figure K-1.2

Alluvial Aquifer Water Table Map - January, 1996

West Lake Landfill OU-1 RI Addendum

EMSI Engineering Management Support, Inc.

LEGEND
GENERALIZED DIRECTION OF GROUNDWATER FLOW
439 LINE OF EQUIPOTENTIAL GROUNDWATER ELEVATION (FEET MSL)
435.71 PZ-100-KS KEOKUK PIEZOMETER GROUNDWATER ELEVATION (FEET MSL) DATA COLLECTED ON APRIL 3, 1996.
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E. 514,000
E. 513,000
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N. 1,069,000
N. 1,067,000
N. 1,066,000
N. 1,065,000
ST. CHARLES ROCK ROAD
ENTRANCE STATION
PZ-109-KS 435.71
PZ-111-KS 440.13
PZ-104-KS 442.94
PZ-106-KS 440.50
SITE SURFACE WATER RETENTION POND
ACTIVE SANITARY LANDFILL PERMIT No.118912
INACTIVE DEMOLITION LANDFILL
INACTIVE LANDFILL
ASPHALT PLANT
ABANDONED CONCRETE PLANT
LEACHATE LAGOONS (ABANDONED)
SOUTHWESTERN BELL SWITCHING STATION
AUTO REPAIR FACILITY
BORROW AREA
LEACHATE RETENTION POND
EARTH CITY INDUSTRIAL PARK STORM WATER RETENTION POND
EARTH CITY INDUSTRIAL PARK
NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995
NORTH
SCALE IN FEET
0 100 200 400
REV. DATE DESCRIPTION DR. BY APP. BY
CLIENT/PROJECT
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LAIDLAW WASTE SYSTEMS INC.
WEST LAKE LANDFILL
TITLE
APRIL 3, 1996
POTENTIOMETRIC SURFACE MAP,
KEOKUK FORMATION
Denver, Colorado
Golder Associates
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CHECKED MJK
REVIEWED CER
APPROVED WEH
FILE NO. 2848D156
DATE AUGUST 1996
SCALE AS SHOWN
JOB NO. 943-2848
DWG. NO. D156
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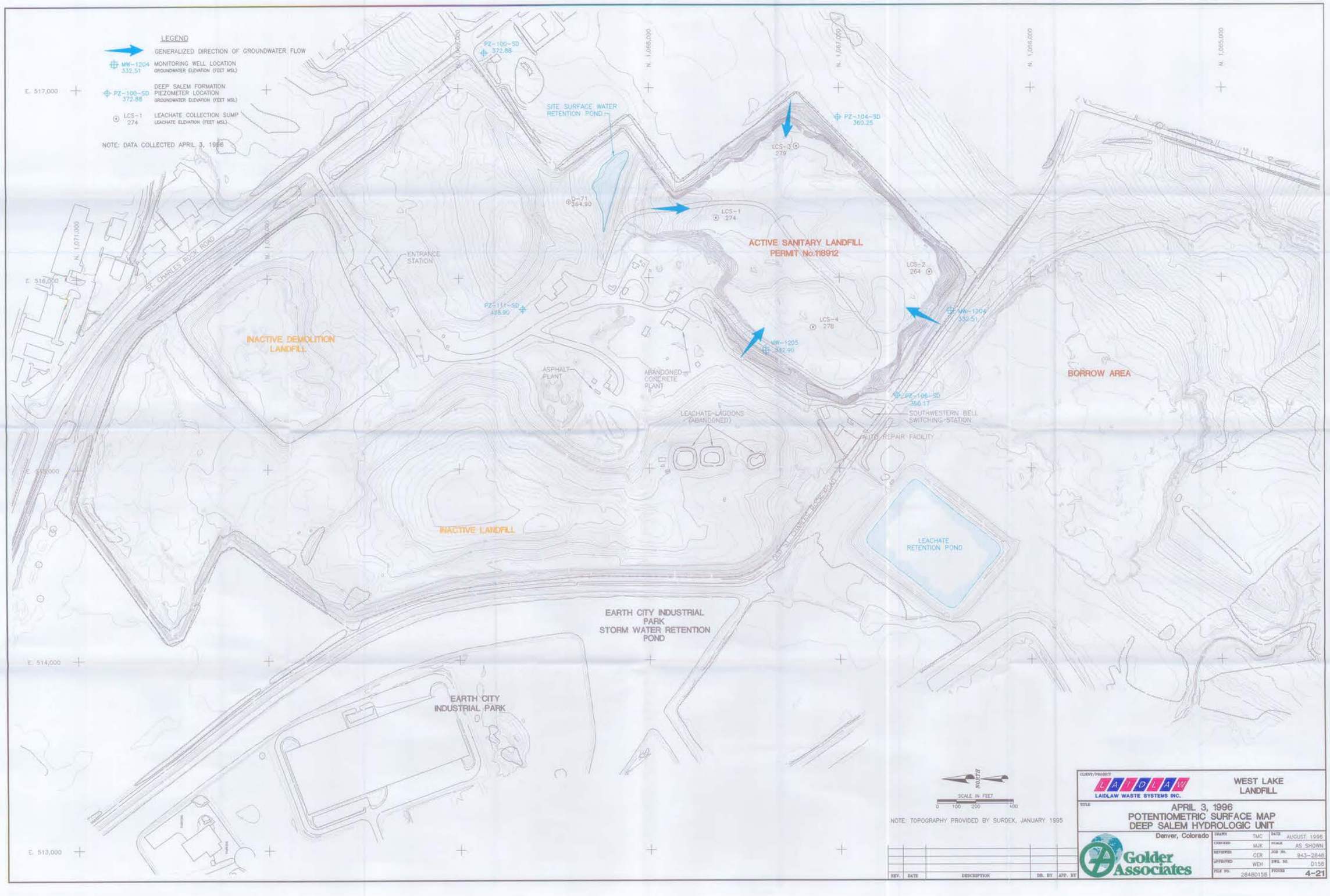
LEGEND
GENERALIZED DIRECTION OF GROUNDWATER FLOW
MW-1204 332.51 MONITORING WELL LOCATION GROUNDWATER ELEVATION (FEET MSL)
PZ-100-SD 372.88 DEEP SALEM FORMATION PIEZOMETER LOCATION GROUNDWATER ELEVATION (FEET MSL)
LCS-1 274 LEACHATE COLLECTION SUMP LEACHATE ELEVATION (FEET MSL)
NOTE: DATA COLLECTED APRIL 3, 1996
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N. 1,070,000
N. 1,069,000
N. 1,068,000
N. 1,067,000
N. 1,066,000
N. 1,065,000
ST. CHARLES ROCK ROAD
PZ-100-SD 372.88
SITE SURFACE WATER RETENTION POND
PZ-104-SD 360.25
LCS-3 279
Q-71 364.90
LCS-1 274
ACTIVE SANITARY LANDFILL PERMIT No.118912
ENTRANCE STATION
LCS-2 264
PZ-111-SD 428.90
LCS-4 278
MW-1204 332.51
MW-1205 332.90
INACTIVE DEMOLITION LANDFILL
ASPHALT PLANT
ABANDONED CONCRETE PLANT
BORROW AREA
PZ-106-SD 360.17
SOUTHWESTERN BELL SWITCHING STATION
LEACHATE LAGOONS (ABANDONED)
AUTO REPAIR FACILITY
INACTIVE LANDFILL
LEACHATE RETENTION POND
EARTH CITY INDUSTRIAL PARK STORM WATER RETENTION POND
EARTH CITY INDUSTRIAL PARK
NORTH
SCALE IN FEET
0 100 200 400
NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995
REV. DATE DESCRIPTION DR. BY APP. BY
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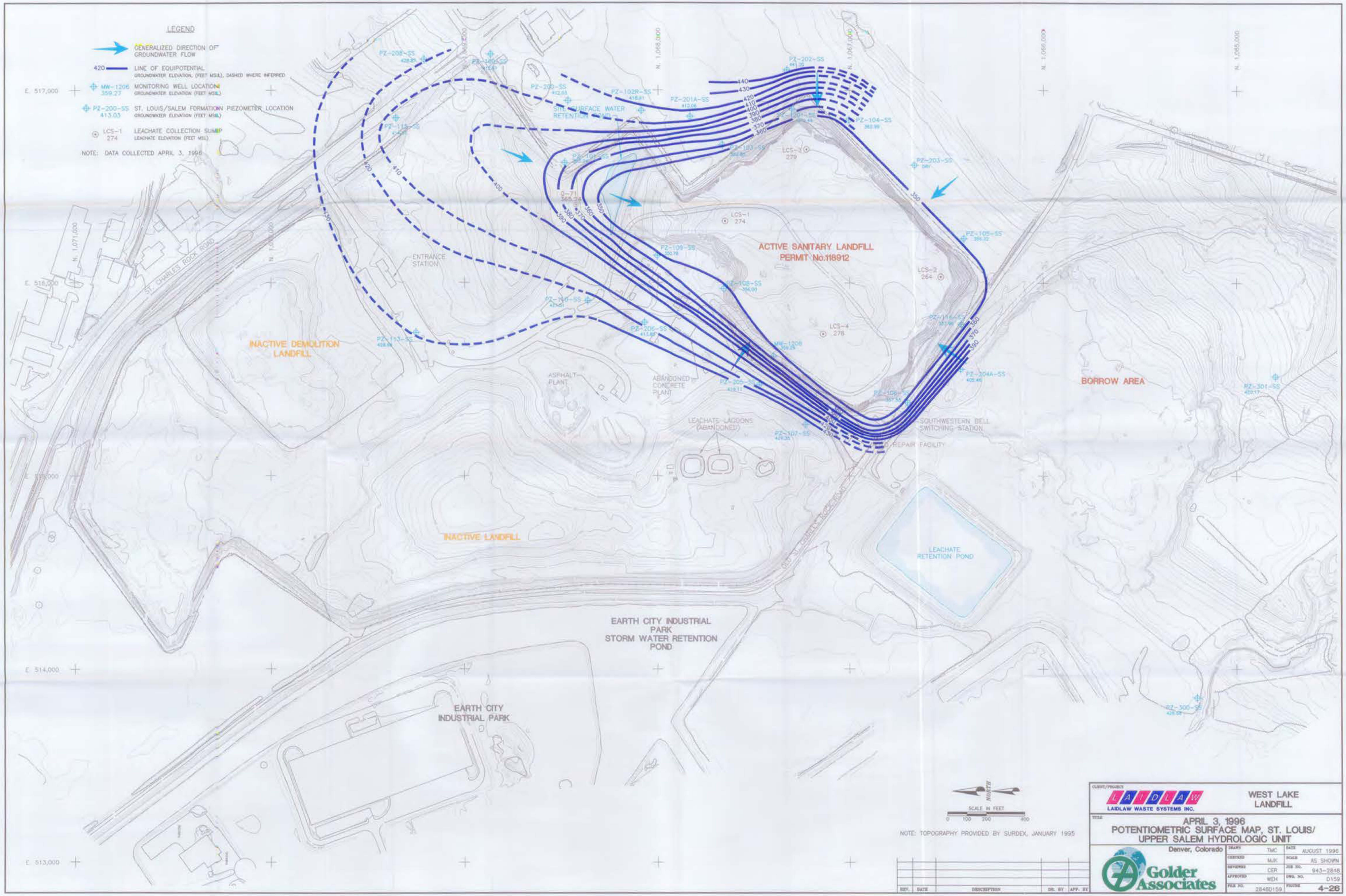
LAIDLAW
LAIDLAW WASTE SYSTEMS INC.
WEST LAKE LANDFILL
TITLE
APRIL 3, 1996
POTENTIOMETRIC SURFACE MAP
DEEP SALEM HYDROLOGIC UNIT
Denver, Colorado
Golder Associates
DRAWN TMC
DATE AUGUST 1996
CHECKED MJK
SCALE AS SHOWN
REVIEWED CER
JOB No. 943-2848
APPROVED WEH
DWG. No. D158
FILE No. 28480158
FIGURE 4-21


LEGEND
GENERALIZED DIRECTION OF GROUNDWATER FLOW
420 LINE OF EQUIPOTENTIAL
GROUNDWATER ELEVATION, (FEET MSL), DASHED WHERE INFERRED
MW-1206 359.27 MONITORING WELL LOCATION
GROUNDWATER ELEVATION (FEET MSL)
PZ-200-SS 413.03 ST. LOUIS/SALEM FORMATION PIEZOMETER LOCATION
GROUNDWATER ELEVATION (FEET MSL)
LCS-1 274 LEACHATE COLLECTION SUMP
LEACHATE ELEVATION (FEET MSL)
NOTE: DATA COLLECTED APRIL 3, 1996
ACTIVE SANITARY LANDFILL
PERMIT No.118912
INACTIVE DEMOLITION LANDFILL
INACTIVE LANDFILL
BORROW AREA
ENTRANCE STATION
ASPHALT PLANT
ABANDONED CONCRETE PLANT
LEACHATE LAGOONS (ABANDONED)
SOUTHWESTERN BELL SWITCHING STATION
REPAIR FACILITY
LEACHATE RETENTION POND
EARTH CITY INDUSTRIAL PARK STORM WATER RETENTION POND
EARTH CITY INDUSTRIAL PARK
ST. CHARLES ROCK ROAD
OLD ST. CHARLES ROCK ROAD
E. 517,000
E. 516,000
E. 514,000
E. 513,000
N. 1,071,000
N. 1,069,000
N. 1,068,000
N. 1,067,000
N. 1,066,000
N. 1,065,000
SCALE IN FEET
0 100 200 400
NORTH
NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995
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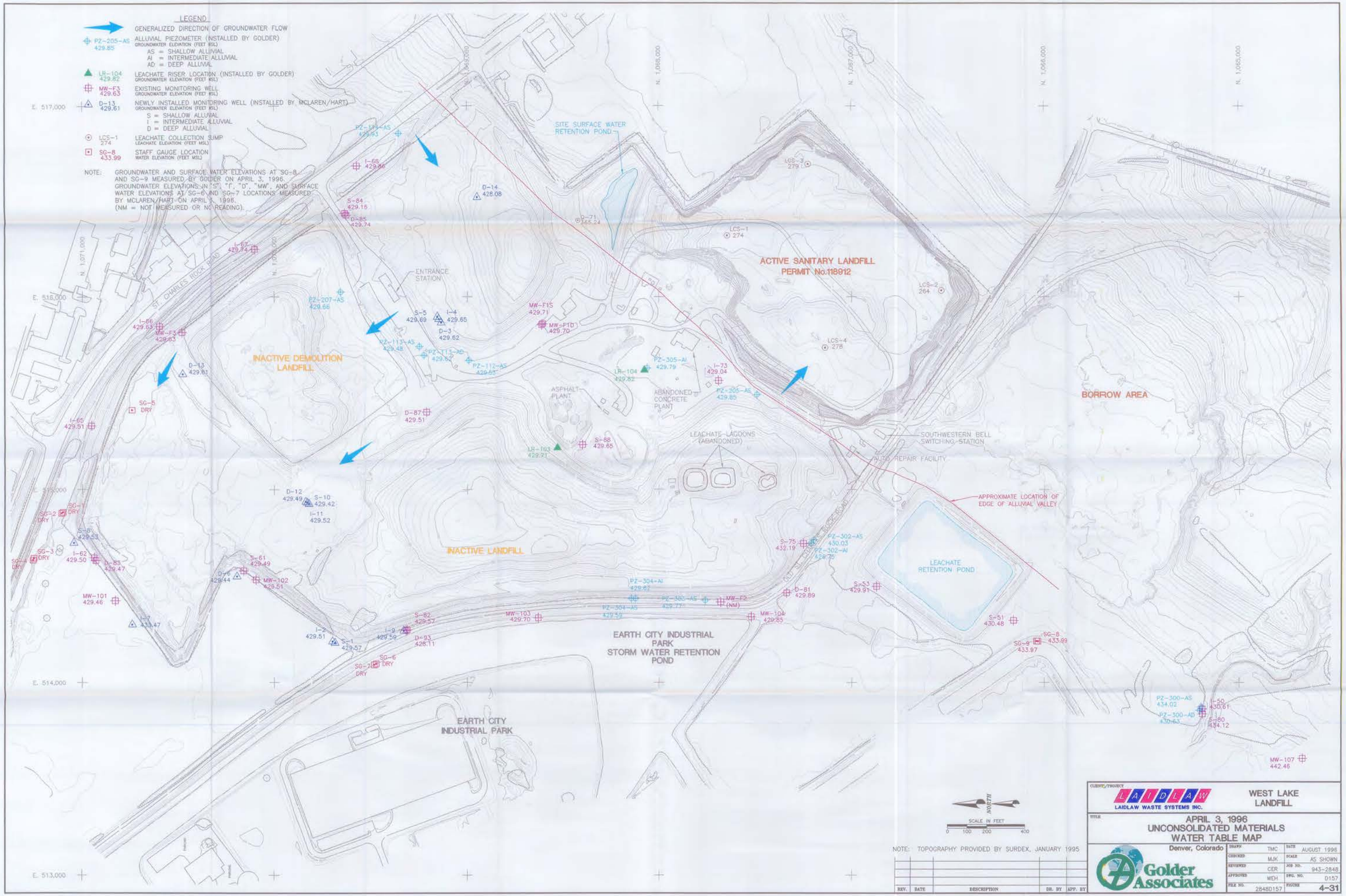
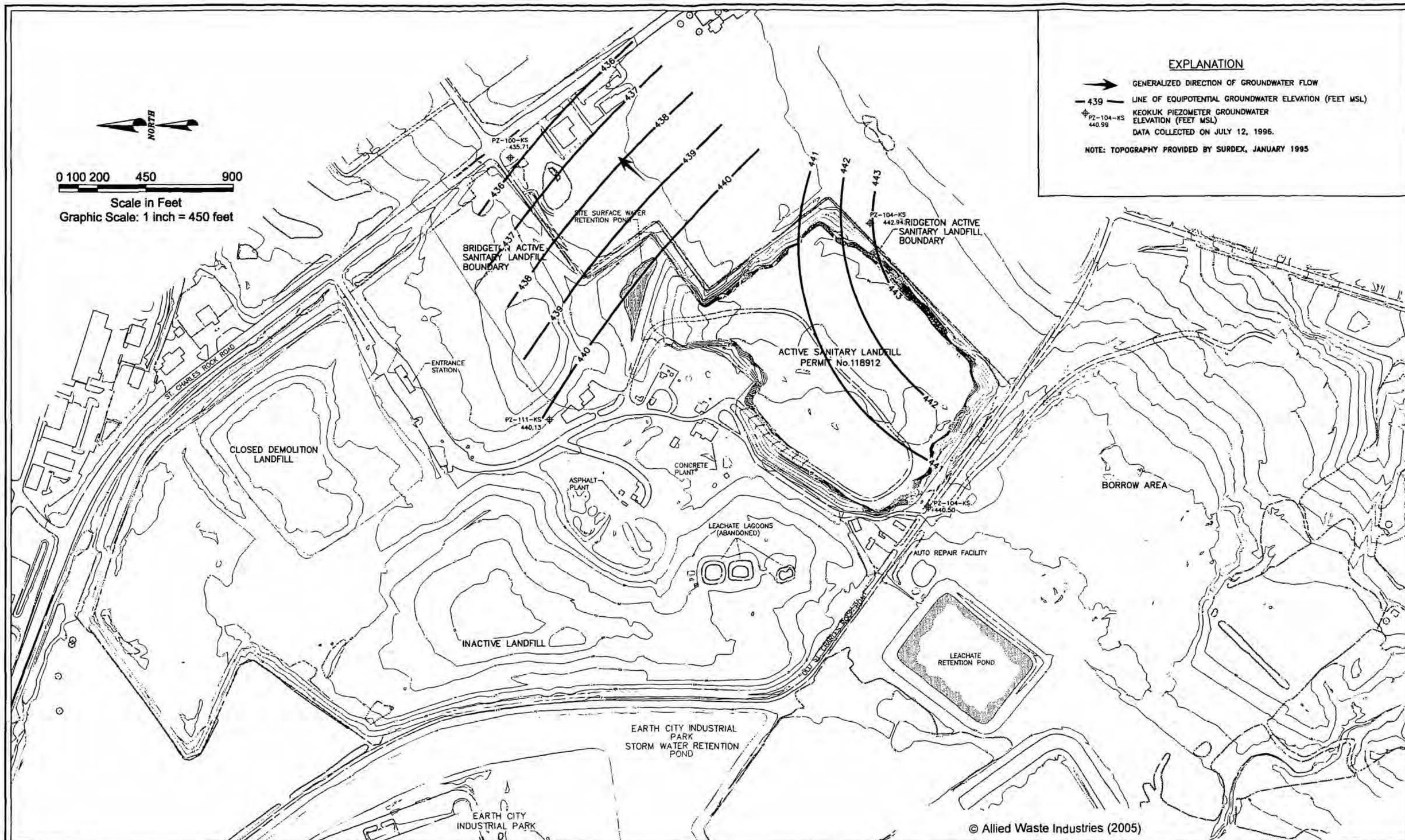
WEST LAKE LANDFILL
TITLE
APRIL 3, 1996
POTENTIOMETRIC SURFACE MAP, ST. LOUIS/ UPPER SALEM HYDROLOGIC UNIT
Denver, Colorado
Golder Associates
DRAWN TMC
CHECKED MJK
REVIEWED CER
APPROVED WDH
DATE AUGUST 1996
SCALE AS SHOWN
JOB NO. 943-2848
DWG. NO. D159
FILE NO. 2848D159
FIGURE 4-26


LEGEND
GENERALIZED DIRECTION OF GROUNDWATER FLOW
PZ-205-AS 429.85 ALLUVIAL PIEZOMETER (INSTALLED BY GOLDER) GROUNDWATER ELEVATION (FEET MSL)
AS = SHALLOW ALLUVIAL
AI = INTERMEDIATE ALLUVIAL
AD = DEEP ALLUVIAL
LR-104 429.82 LEACHATE RISER LOCATION (INSTALLED BY GOLDER) GROUNDWATER ELEVATION (FEET MSL)
MW-F3 429.63 EXISTING MONITORING WELL GROUNDWATER ELEVATION (FEET MSL)
D-13 429.61 NEWLY INSTALLED MONITORING WELL (INSTALLED BY MCLAREN/HART) GROUNDWATER ELEVATION (FEET MSL)
S = SHALLOW ALLUVIAL
I = INTERMEDIATE ALLUVIAL
D = DEEP ALLUVIAL
LCS-1 274 LEACHATE COLLECTION SUMP LEACHATE ELEVATION (FEET MSL)
SG-8 433.99 STAFF GAUGE LOCATION WATER ELEVATION (FEET MSL)
NOTE: GROUNDWATER AND SURFACE WATER ELEVATIONS AT SG-8 AND SG-9 MEASURED BY GOLDER ON APRIL 3, 1996. GROUNDWATER ELEVATIONS IN "S", "I", "D", "MW", AND SURFACE WATER ELEVATIONS AT SG-6 AND SG-7 LOCATIONS MEASURED BY MCLAREN/HART ON APRIL 3, 1996. (NM = NOT MEASURED OR NO READING).
E. 517,000
E. 516,000
E. 515,000
E. 514,000
E. 513,000
N. 1,071,000
N. 1,070,000
N. 1,069,000
N. 1,068,000
N. 1,067,000
N. 1,066,000
N. 1,065,000
ST. CHARLES ROCK ROAD
SITE SURFACE WATER RETENTION POND
ENTRANCE STATION
ACTIVE SANITARY LANDFILL PERMIT No.118912
INACTIVE DEMOLITION LANDFILL
INACTIVE LANDFILL
BORROW AREA
ASPHALT PLANT
ABANDONED CONCRETE PLANT
LEACHATE LAGOONS (ABANDONED)
SOUTHWESTERN BELL SWITCHING STATION
AUTO REPAIR FACILITY
APPROXIMATE LOCATION OF EDGE OF ALLUVIAL VALLEY
LEACHATE RETENTION POND
EARTH CITY INDUSTRIAL PARK STORM WATER RETENTION POND
EARTH CITY INDUSTRIAL PARK
PZ-144-AS 429.93
I-68 429.86
D-14 428.08
S-84 429.15
D-85 429.74
I-67 429.74
PZ-207-AS 429.66
I-66 429.63
MW-F3 428.63
D-13 429.61
SG-5 DRY
I-65 429.51
S-5 429.69
I-4 429.65
D-3 429.62
PZ-113-AS 429.48
PZ-113-AD 429.62
PZ-112-AS 429.63
MW-F1S 429.71
MW-F1D 429.70
LR-104 429.82
PZ-305-AI 429.79
I-73 429.04
PZ-205-AS 429.85
D-87 429.51
LR-103 429.71
S-88 429.65
D-12 429.49
S-10 429.42
I-11 429.52
SG-1 DRY
SG-2 DRY
S-6 429.53
SG-3 DRY
I-62 429.50
D-83 429.47
SG-4 DRY
S-61 429.49
D-6 429.44
MW-102 429.51
MW-101 429.46
I-7 433.47
I-2 429.51
S-1 429.57
I-9 429.59
S-82 429.57
D-93 428.11
SG-6 DRY
SG-7 DRY
PZ-304-AI 429.87
PZ-304-AS 429.59
PZ-303-AS 429.77
MW-F2 (NM)
MW-103 429.70
MW-104 429.85
D-81 429.89
S-75 432.19
PZ-302-AS 430.03
PZ-302-AI 428.75
S-53 429.91
S-51 430.48
SG-9 433.97
SG-8 433.99
PZ-300-AS 434.02
PZ-300-AD 430.63
I-50 430.61
S-80 434.12
MW-107 442.46
LCS-1 274
LCS-2 264
LCS-3 279
LCS-4 278
D-71 365.24
NORTH
SCALE IN FEET
0 100 200 400
NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995
REV. DATE DESCRIPTION DR. BY APP. BY
CLIENT/PROJECT
LAIDLAW
LAIDLAW WASTE SYSTEMS INC.
WEST LAKE LANDFILL
TITLE
APRIL 3, 1996
UNCONSOLIDATED MATERIALS
WATER TABLE MAP
Denver, Colorado
Golder Associates
DRAWN TMC
CHECKED MJK
REVIEWED CER
APPROVED WDH
FILE NO. 2848D157
DATE AUGUST 1996
SCALE AS SHOWN
JOB NO. 943-2848
DWG. NO. D157
FIGURE 4-31



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West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-15
Keokuk Hydrologic Unit
Potentiometric Surface Map
April 3, 1996

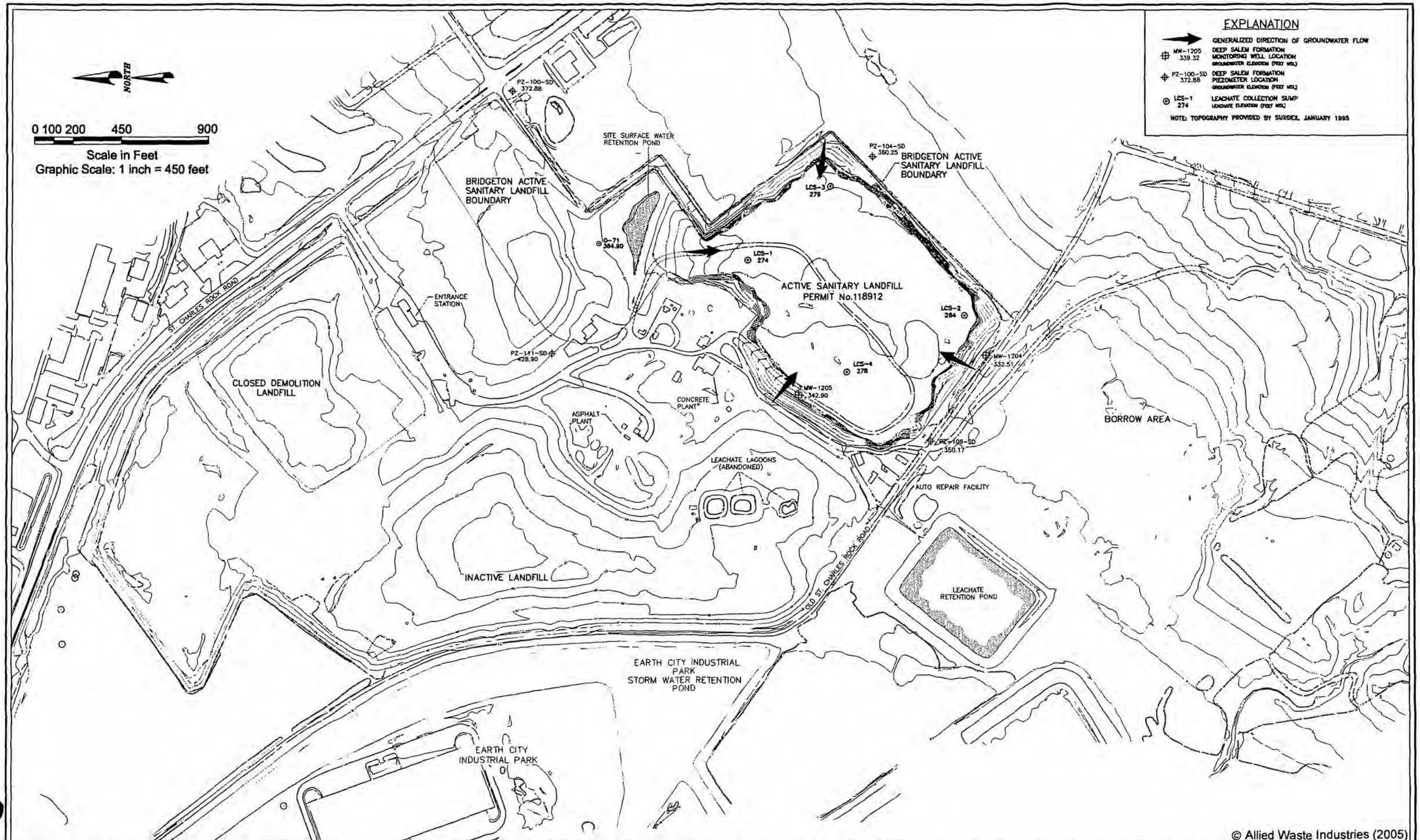

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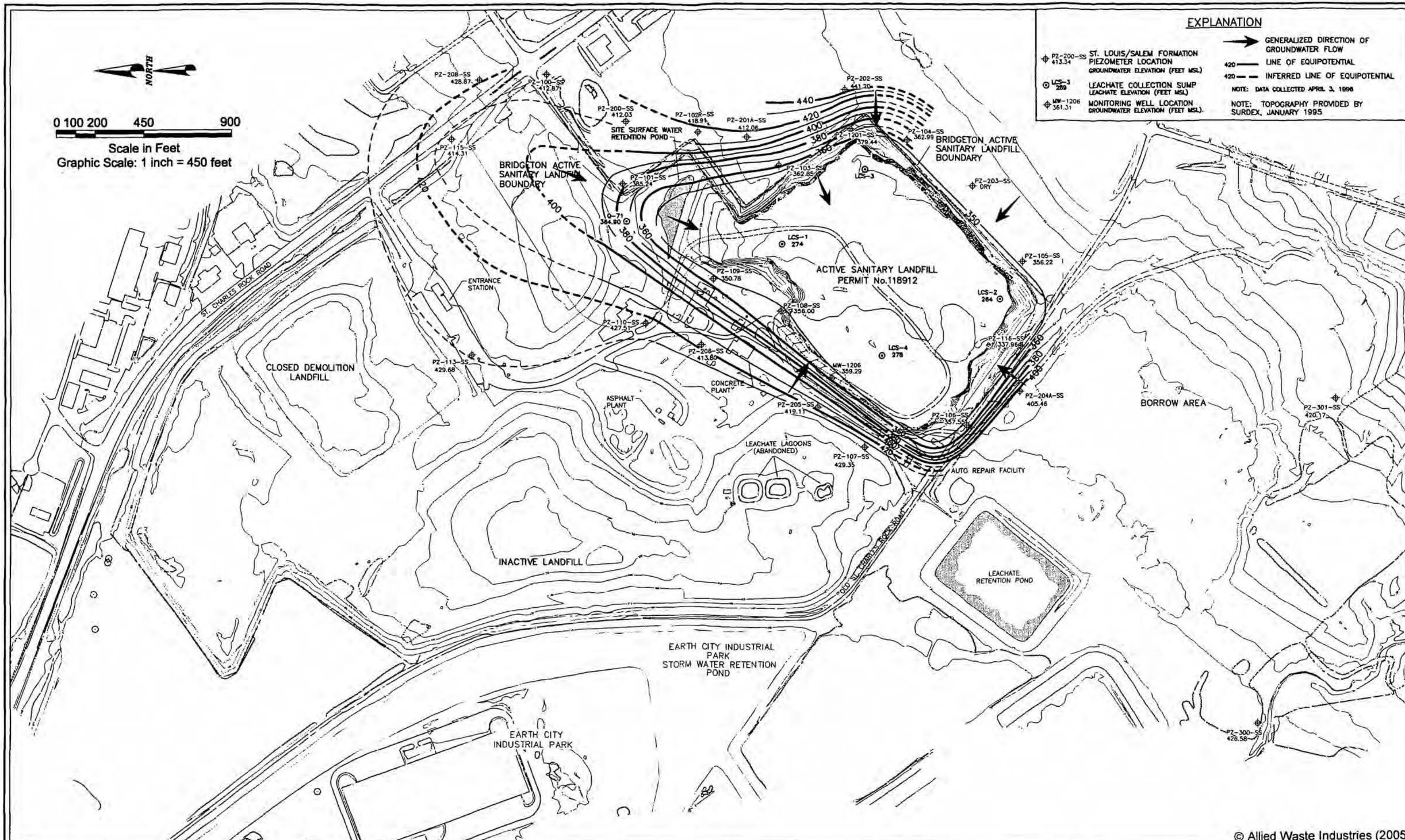
Figure 3-23
Deep Salem Hydrologic Unit
April 3, 1996



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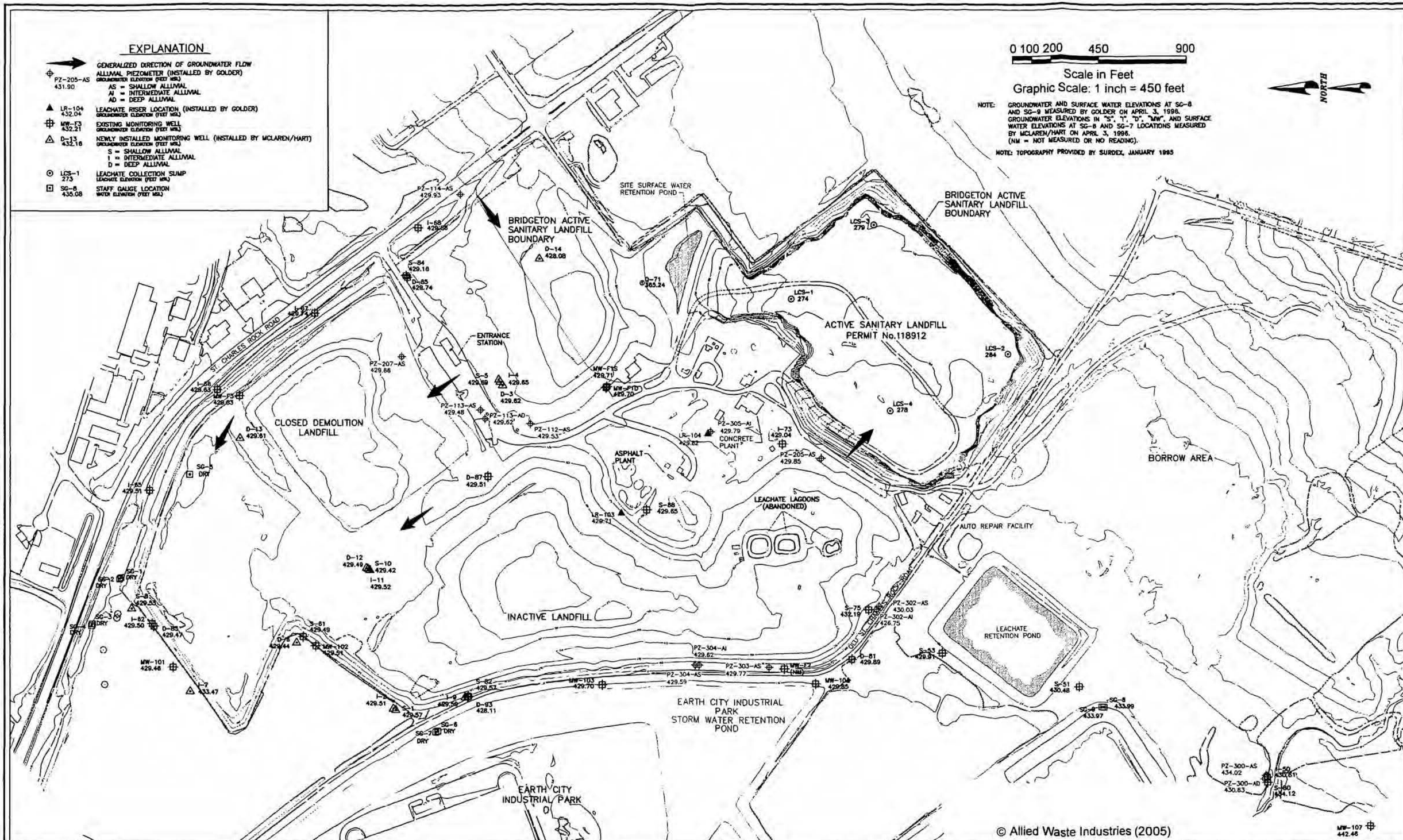
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-31
St. Louis/Upper Salem Hydrologic Unit
April 27, 1996
Potentiometric Surface Map



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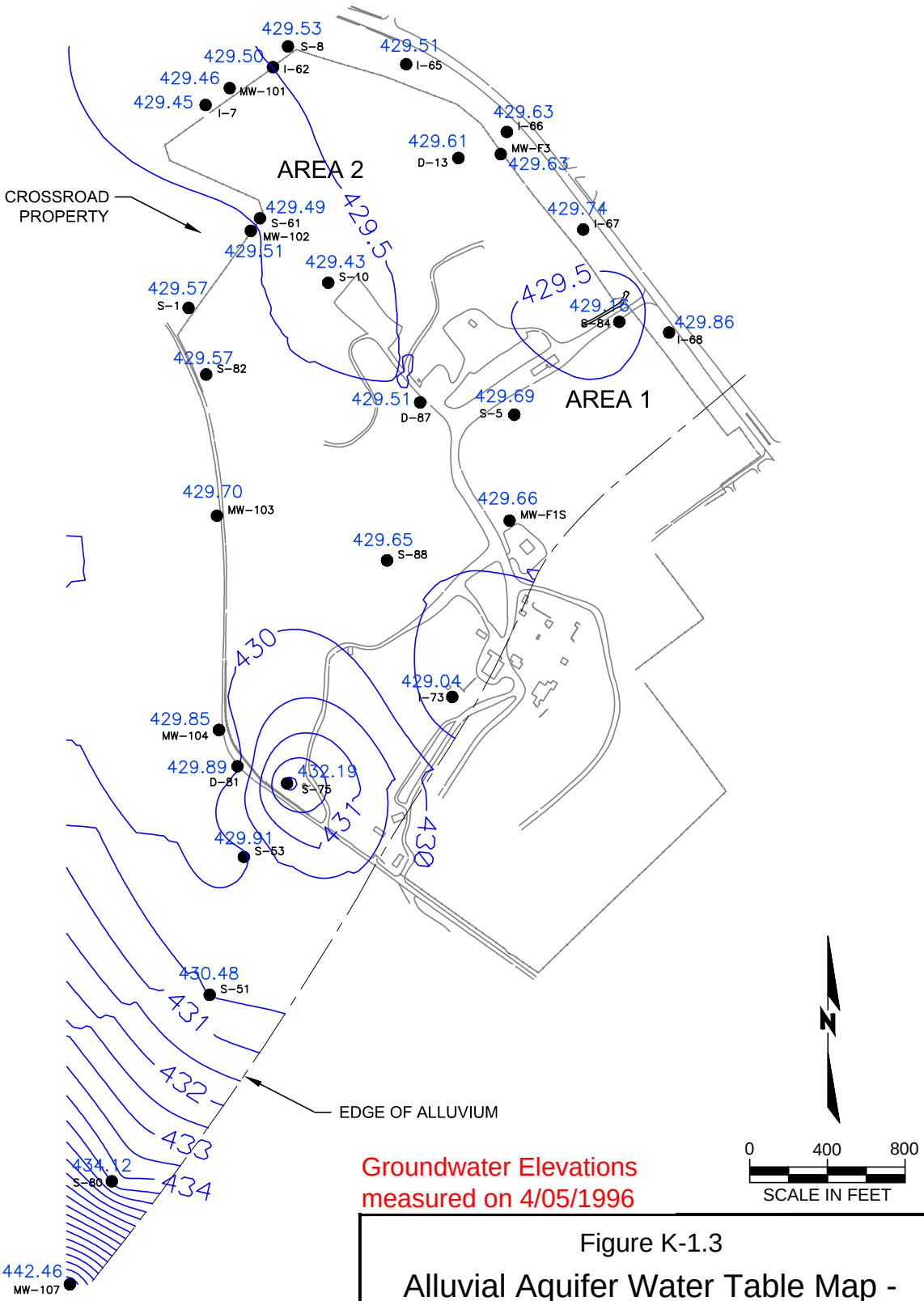
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-39
Unconsolidated Material
April 3, 1996
Water Table Map

M:\clients\EMSI\westlake\2017\RI-Addendum-edits\Appendix-K\Fig-K1.3-Alluvial AWT-4-96.dwg 1/22/18



Groundwater Elevations measured on 4/05/1996

LEGEND

441.97 Water table elevation

MW-107 Well number

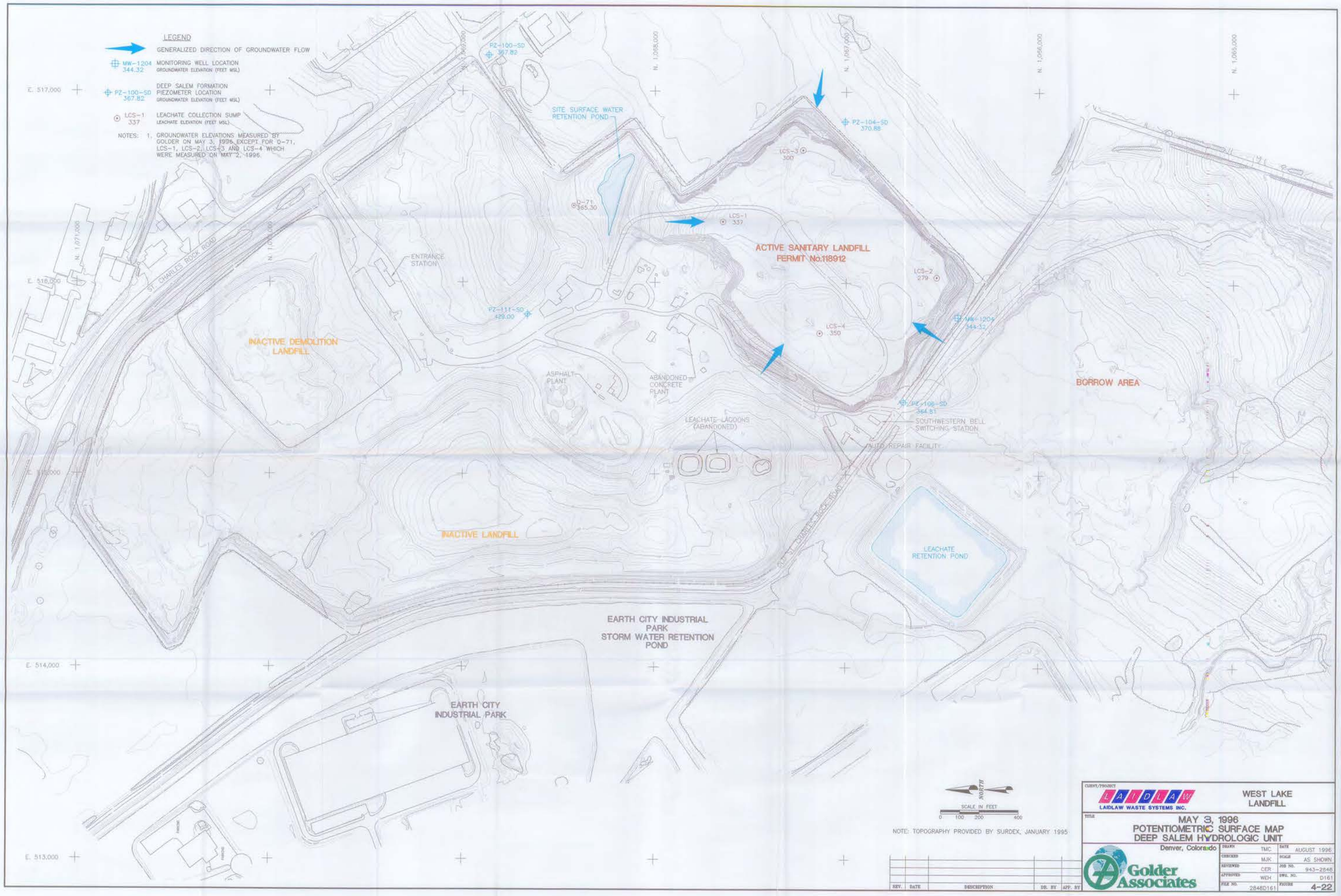
435 Groundwater Elevation Contour

Figure K-1.3

Alluvial Aquifer Water Table Map - April, 1996

West Lake Landfill OU-1 RI Addendum

EMSI Engineering Management Support, Inc.



REV.	DATE	DESCRIPTION	DR. BY	APP. BY

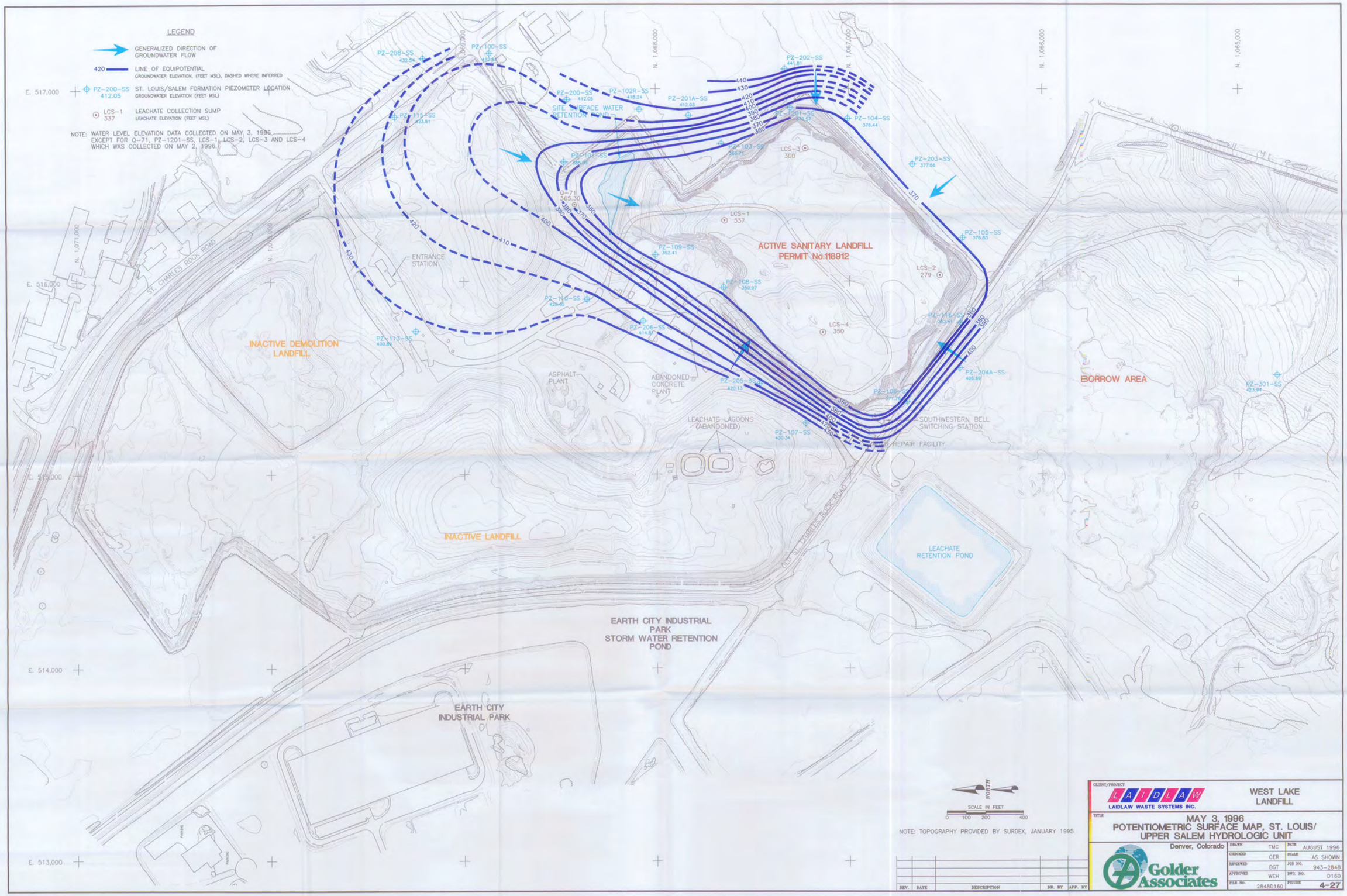
CLIENT/PROJECT: LAIDLAW WASTE SYSTEMS INC. — WEST LAKE LANDFILL

TITLE: MAY 3, 1996 POTENTIOMETRIC SURFACE MAP DEEP SALEM HYDROLOGIC UNIT

Denver, Colorado

Golder Associates

DRAWN	TMC	DATE	AUGUST 1996
CHECKED	MJK	SCALE	AS SHOWN
REVIEWED	CER	JOB NO.	943-2848
APPROVED	WDH	DWG. NO.	D161
FILE NO.	2848D161	FIGURE	4-22



NORTH

SCALE IN FEET
0 100 200 400

NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995

REV.	DATE	DESCRIPTION	DR. BY	APP. BY

CLIENT/PROJECT
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LAIDLAW WASTE SYSTEMS INC.

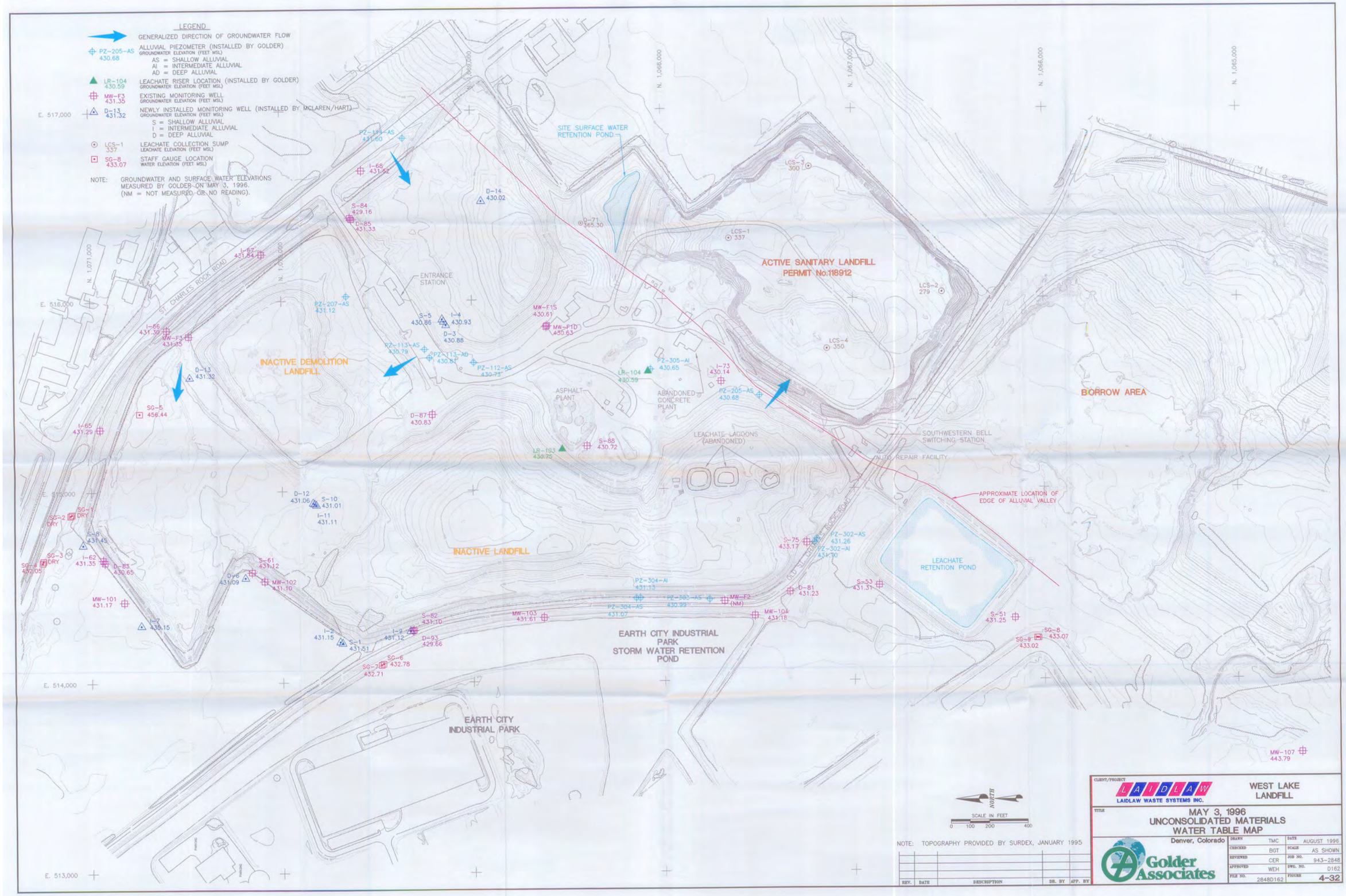
WEST LAKE LANDFILL

TITLE
MAY 3, 1996
POTENTIOMETRIC SURFACE MAP, ST. LOUIS/ UPPER SALEM HYDROLOGIC UNIT

Denver, Colorado

Golder Associates

DRAWN	TMC	DATE	AUGUST 1996
CHECKED	CER	SCALE	AS SHOWN
REVIEWED	BGT	JOB NO.	943-2848
APPROVED	WEH	DWG. NO.	D160
FILE NO.	2848D160	FIGURE	4-27


LEGEND
GENERALIZED DIRECTION OF GROUNDWATER FLOW
PZ-205-AS 430.68 ALLUVIAL PIEZOMETER (INSTALLED BY GOLDER) GROUNDWATER ELEVATION (FEET MSL)
AS = SHALLOW ALLUVIAL
AI = INTERMEDIATE ALLUVIAL
AD = DEEP ALLUVIAL
LR-104 430.59 LEACHATE RISER LOCATION (INSTALLED BY GOLDER) GROUNDWATER ELEVATION (FEET MSL)
MW-F3 431.35 EXISTING MONITORING WELL GROUNDWATER ELEVATION (FEET MSL)
D-13 431.32 NEWLY INSTALLED MONITORING WELL (INSTALLED BY McLAREN/HART) GROUNDWATER ELEVATION (FEET MSL)
S = SHALLOW ALLUVIAL
I = INTERMEDIATE ALLUVIAL
D = DEEP ALLUVIAL
LCS-1 337 LEACHATE COLLECTION SUMP LEACHATE ELEVATION (FEET MSL)
SG-8 433.07 STAFF GAUGE LOCATION WATER ELEVATION (FEET MSL)
NOTE: GROUNDWATER AND SURFACE WATER ELEVATIONS MEASURED BY GOLDER ON MAY 3, 1996. (NM = NOT MEASURED OR NO READING).
E. 517,000
E. 516,000
E. 515,000
E. 514,000
E. 513,000
N. 1,071,000
N. 1,069,000
N. 1,068,000
N. 1,067,000
N. 1,066,000
N. 1,065,000
ST. CHARLES ROCK ROAD
OLD ST. CHARLES ROCK ROAD
SITE SURFACE WATER RETENTION POND
ENTRANCE STATION
ACTIVE SANITARY LANDFILL PERMIT No.118912
INACTIVE DEMOLITION LANDFILL
INACTIVE LANDFILL
BORROW AREA
ASPHALT PLANT
ABANDONED CONCRETE PLANT
LEACHATE LAGOONS (ABANDONED)
SOUTHWESTERN BELL SWITCHING STATION
AUTO REPAIR FACILITY
APPROXIMATE LOCATION OF EDGE OF ALLUVIAL VALLEY
LEACHATE RETENTION POND
EARTH CITY INDUSTRIAL PARK STORM WATER RETENTION POND
EARTH CITY INDUSTRIAL PARK
PARKING
PZ-111-AS 431.60
I-68 431.62
S-84 429.16
D-85 431.33
D-14 430.02
D-71 365.30
LCS-3 300
LCS-1 337
LCS-2 279
LCS-4 350
I-67 431.84
PZ-207-AS 431.12
I-66 431.39
MW-F3 431.35
D-13 431.32
SG-5 456.44
I-65 431.29
S-5 430.86
I-4 430.93
D-3 430.88
MW-F1S 430.61
MW-F1D 430.63
PZ-113-AS 430.79
PZ-113-AD 430.87
PZ-112-AS 430.73
PZ-305-AI 430.65
LR-104 430.59
I-73 430.14
PZ-205-AS 430.68
D-87 430.83
LR-193 430.75
S-88 430.72
D-12 431.06
S-10 431.01
I-11 431.11
SG-2 DRY
SG-1 DRY
S-8 431.45
SG-3 DRY
I-62 431.35
D-83 430.65
SG-4 430.05
S-61 431.12
D-6 431.09
MW-102 431.10
MW-101 431.17
I-7 439.15
I-2 431.15
S-1 431.51
I-9 431.12
S-82 431.10
D-93 429.66
SG-7 432.71
SG-6 432.78
PZ-304-AI 431.13
PZ-303-AS 430.99
MW-F2 (NM)
PZ-304-AS 431.07
MW-103 431.61
MW-104 431.18
S-75 433.17
PZ-302-AS 431.26
PZ-302-AI 431.30
D-81 431.23
S-53 431.31
S-51 431.25
SG-8 433.07
SG-9 433.02
MW-107 443.79
NORTH
SCALE IN FEET
0 100 200 400
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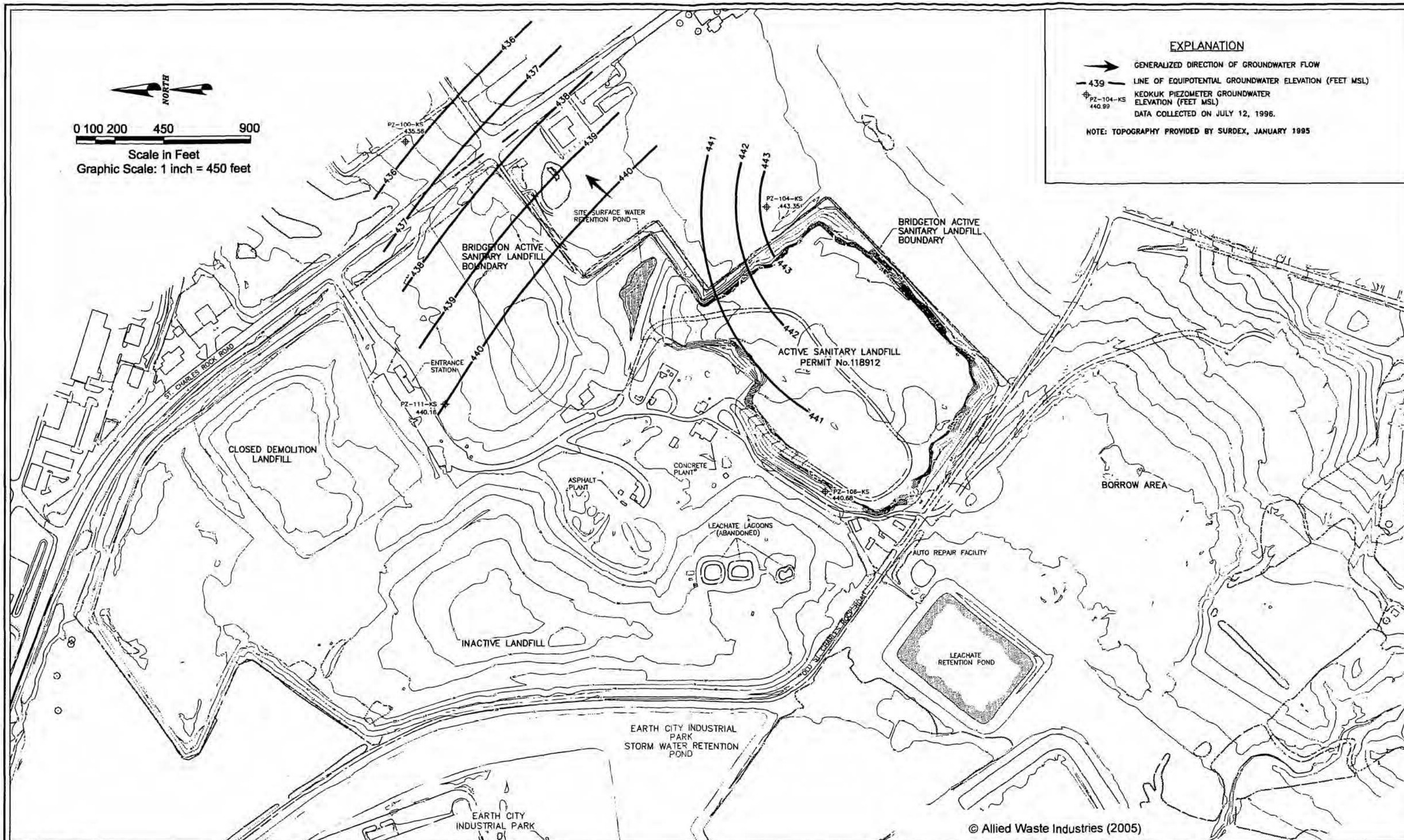
WEST LAKE LANDFILL
TITLE
MAY 3, 1996
UNCONSOLIDATED MATERIALS
WATER TABLE MAP
Denver, Colorado
Golder Associates
DRAWN TMC
DATE AUGUST 1996
CHECKED BGT
SCALE AS SHOWN
REVIEWED CER
JOB NO. 943-2848
APPROVED WEH
DWG. NO. D162
FILE NO. 2848D162
FIGURE 4-32



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Bridgeton, Missouri

Figure 3-16
Keokuk Hydrologic Unit
May 3, 1996
Potentiometric Surface Map

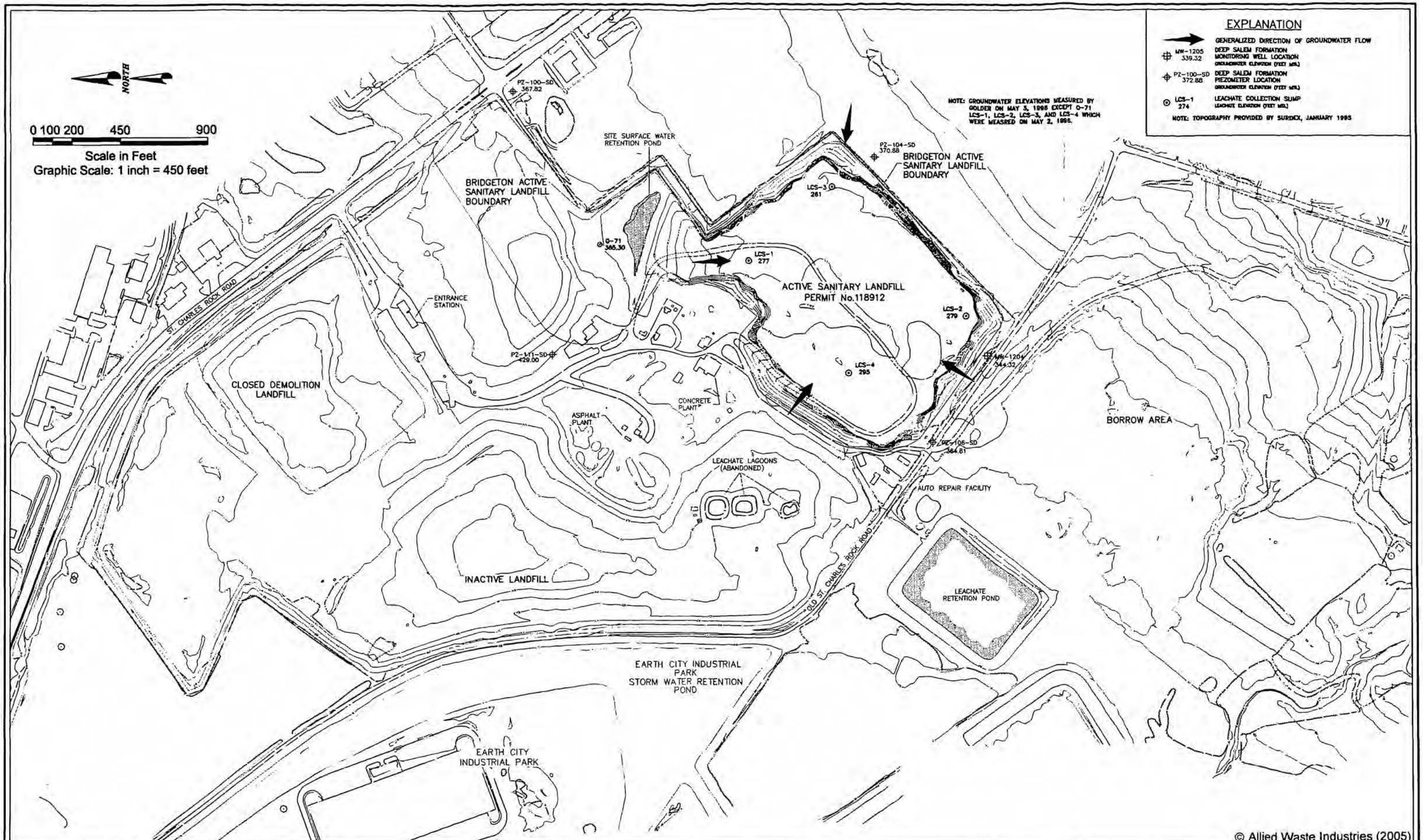

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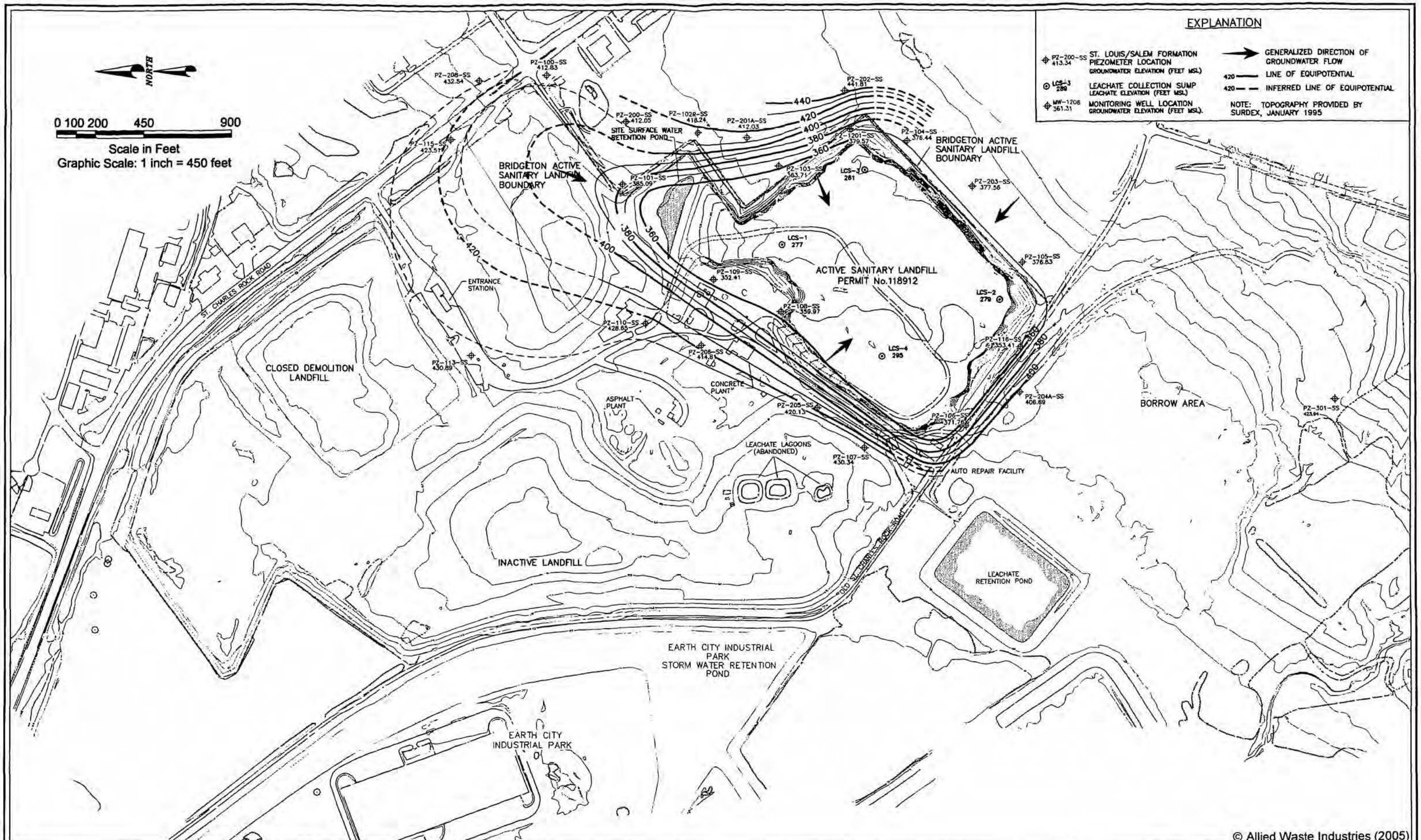
Figure 3-24
Deep Salem Hydrologic Unit
May 3, 1996
Potentiometric Surface Map



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West Lake Landfill OU-2
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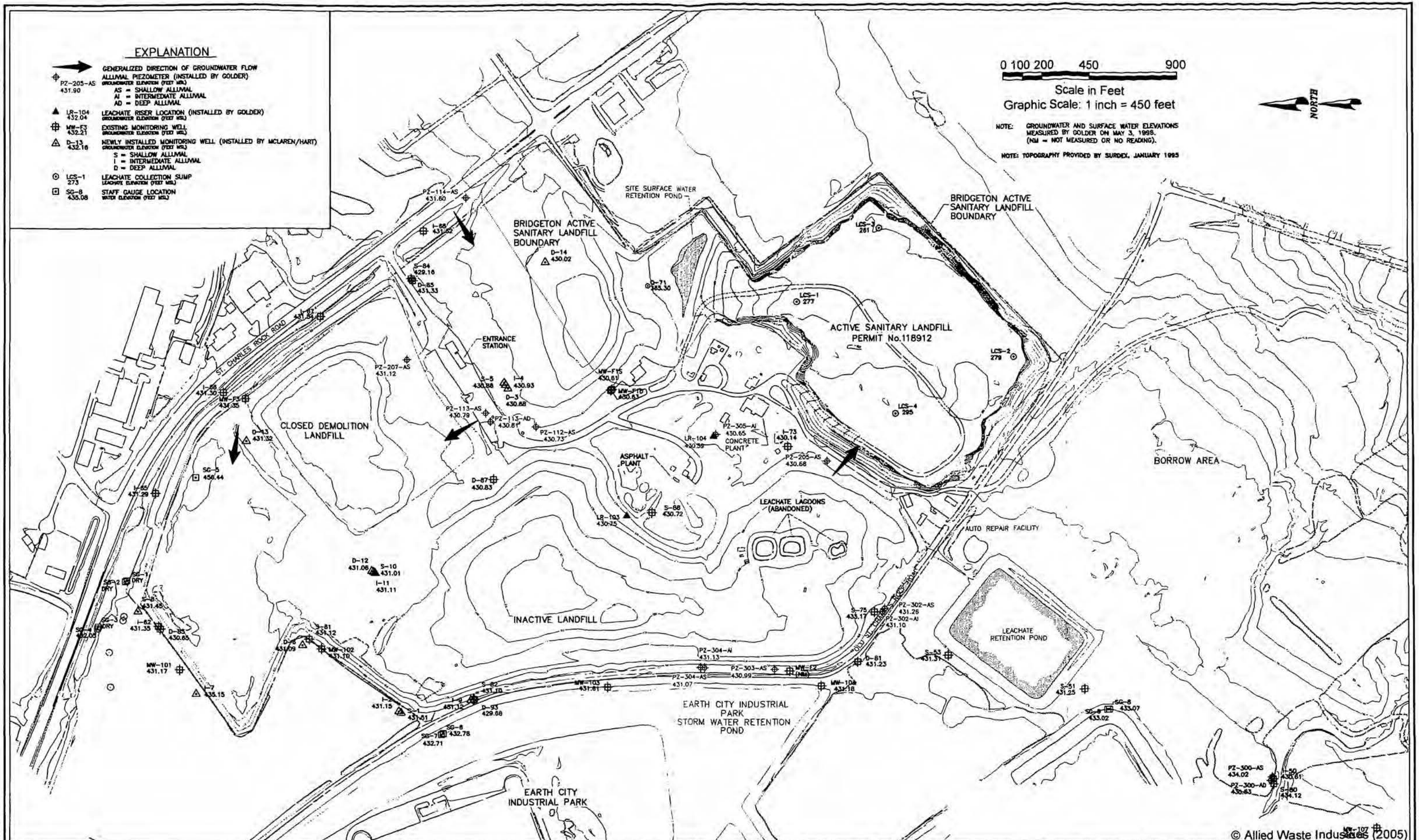
Figure 3-32
St. Louis/Upper Salem Hydrologic Unit
May 3, 1996
Potentiometric Surface Map



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West Lake Landfill OU-2
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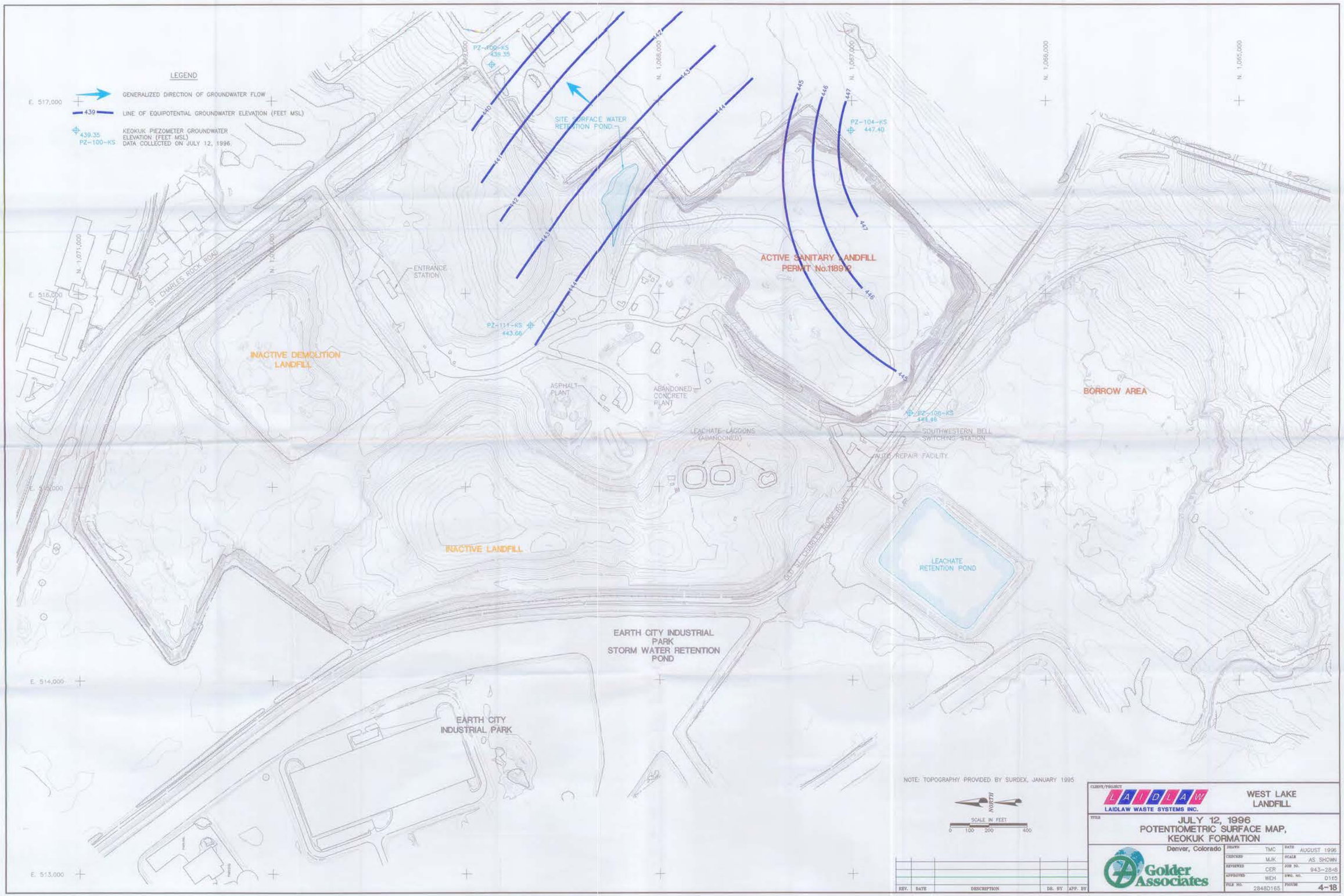
Figure 3-40
Unconsolidated Material
May 3, 1996
Water Table Map



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NORTH

SCALE IN FEET
0 100 200 400

REV.	DATE	DESCRIPTION	DR. BY	APP. BY

CLIENT/PROJECT: LAIDLAW — LAIDLAW WASTE SYSTEMS INC.

WEST LAKE LANDFILL

TITLE: JULY 12, 1996 POTENTIOMETRIC SURFACE MAP, KEOKUK FORMATION

Denver, Colorado

Golder Associates

DRAWN	TMC	DATE	AUGUST 1996
CHECKED	MJK	SCALE	AS SHOWN
REVIEWED	CER	JOB NO.	943-2848
APPROVED	WEH	DWG. NO.	D165
FILE NO.	2848D165	FIGURE	4-18

LEGEND

GENERALIZED DIRECTION OF GROUNDWATER FLOW

MW-1204 332.89 — MONITORING WELL LOCATION, GROUNDWATER ELEVATION (FEET MSL)

PZ-100-SD 367.04 — DEEP SALEM FORMATION PIEZOMETER LOCATION, GROUNDWATER ELEVATION (FEET MSL)

LCS-1 277 — LEACHATE COLLECTION SUMP, LEACHATE ELEVATION (FEET MSL)

NOTES: 1. GROUNDWATER ELEVATIONS MEASURED BY GOLDER ON JULY 12, 1996 EXCEPT FOR LCS-1, LCS-2, LCS-3 AND LCS-4 WHICH WERE MEASURED ON JULY 16, 1996.

NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995

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CLIENT/PROJECT: LAIDLAW — LAIDLAW WASTE SYSTEMS INC.

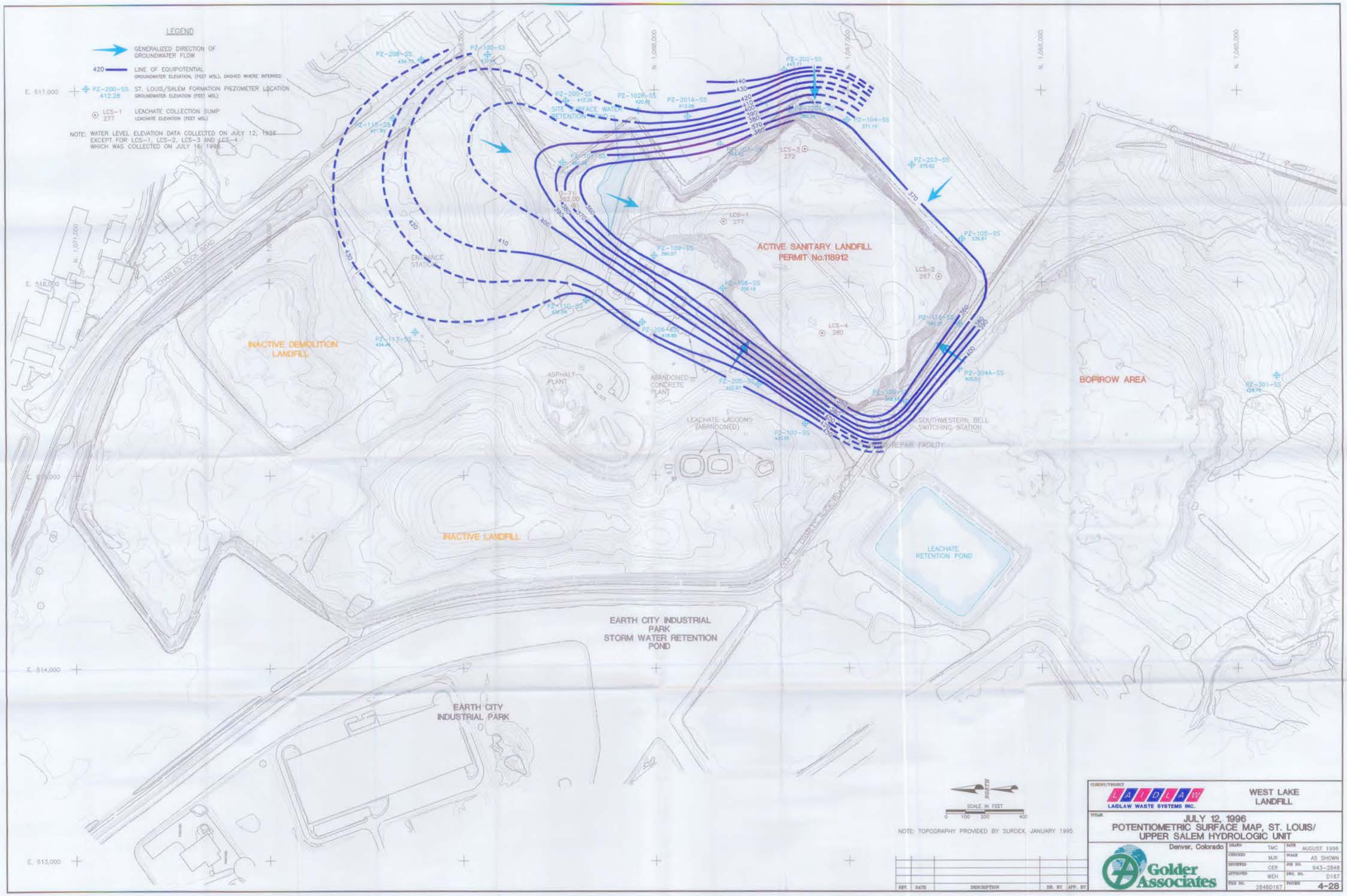
WEST LAKE LANDFILL

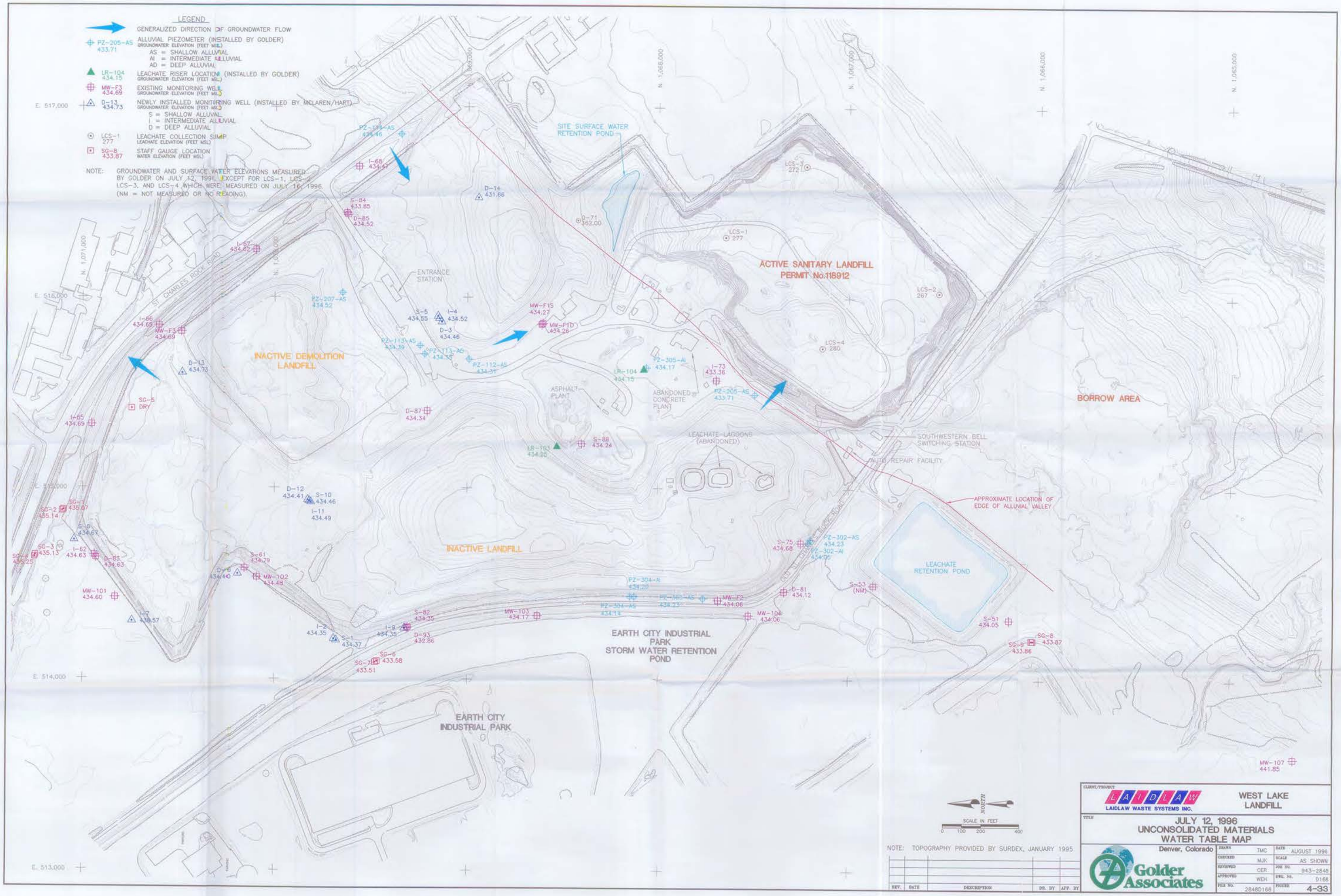
TITLE: JULY 12, 1996 POTENTIOMETRIC SURFACE MAP DEEP SALEM HYDROLOGIC UNIT

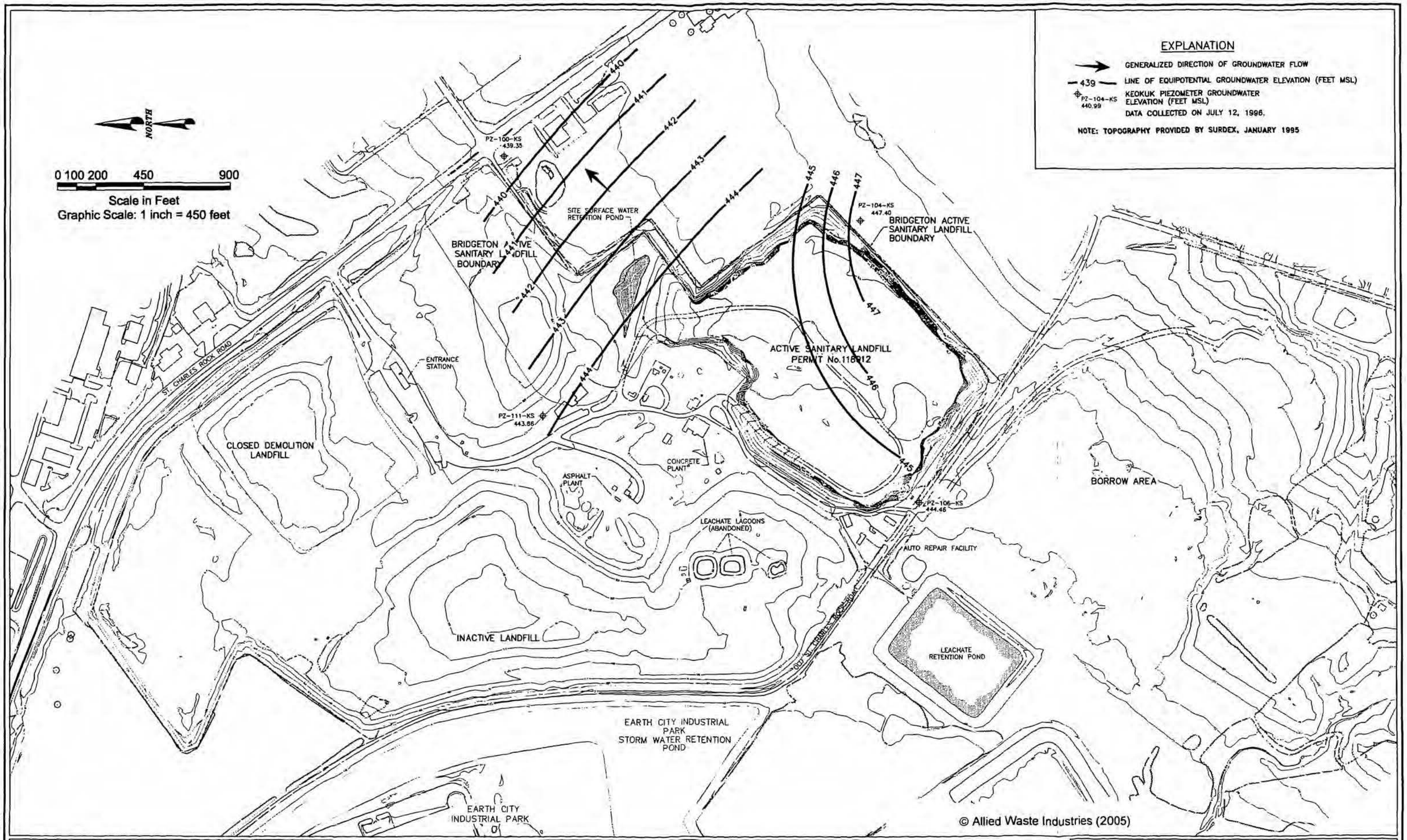
Denver, Colorado

Golder Associates

DRAWN	TMC	DATE	AUGUST 1996
CHECKED	MJK	SCALE	AS SHOWN
REVIEWED	CER	JOB NO.	943-2848
APPROVED	WEH	DWG. NO.	D166
FILE NO.	2848D166	FIGURE	4-23


LEGEND
GENERALIZED DIRECTION OF GROUNDWATER FLOW
420 LINE OF EQUIPOTENTIAL
GROUNDWATER ELEVATION, (FEET MSL), DASHED WHERE INFERRED
PZ-200-SS 412.28 ST. LOUIS/SALEM FORMATION PIEZOMETER LOCATION
GROUNDWATER ELEVATION (FEET MSL)
LCS-1 277 LEACHATE COLLECTION SUMP
LEACHATE ELEVATION (FEET MSL)
NOTE: WATER LEVEL ELEVATION DATA COLLECTED ON JULY 12, 1996 EXCEPT FOR LCS-1, LCS-2, LCS-3 AND LCS-4 WHICH WAS COLLECTED ON JULY 16, 1996.
ACTIVE SANITARY LANDFILL
PERMIT No.118912
INACTIVE DEMOLITION LANDFILL
INACTIVE LANDFILL
BORROW AREA
ASPHALT PLANT
ABANDONED CONCRETE PLANT
LEACHATE LAGOONS (ABANDONED)
SOUTHWESTERN BELL SWITCHING STATION
REPAIR FACILITY
LEACHATE RETENTION POND
EARTH CITY INDUSTRIAL PARK STORM WATER RETENTION POND
EARTH CITY INDUSTRIAL PARK
ST. CHARLES ROCK ROAD
E. 517,000
E. 516,000
E. 514,000
E. 513,000
N. 1,071,000
N. 1,066,000
NORTH
SCALE IN FEET
0 100 200 400
NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995
REV. DATE DESCRIPTION DR. BY APP. BY
LAIDLAW
LAIDLAW WASTE SYSTEMS INC.
WEST LAKE LANDFILL
JULY 12, 1996
POTENTIOMETRIC SURFACE MAP, ST. LOUIS/ UPPER SALEM HYDROLOGIC UNIT
Denver, Colorado
Golder Associates
DRAWN TMC
DATE AUGUST 1996
CHECKED MJK
SCALE AS SHOWN
REVIEWED CER
JOB NO. 943-2848
APPROVED WEH
DWG. NO. D187
FILE NO. 28480167
FIGURE 4-28


LEGEND
GENERALIZED DIRECTION OF GROUNDWATER FLOW
PZ-205-AS 433.71 ALLUVIAL PIEZOMETER (INSTALLED BY GOLDER) GROUNDWATER ELEVATION (FEET MSL)
AS = SHALLOW ALLUVIAL
AI = INTERMEDIATE ALLUVIAL
AD = DEEP ALLUVIAL
LR-104 434.15 LEACHATE RISER LOCATION (INSTALLED BY GOLDER) GROUNDWATER ELEVATION (FEET MSL)
MW-F3 434.69 EXISTING MONITORING WELL GROUNDWATER ELEVATION (FEET MSL)
D-13 434.73 NEWLY INSTALLED MONITORING WELL (INSTALLED BY MCLAREN/HART) GROUNDWATER ELEVATION (FEET MSL)
S = SHALLOW ALLUVIAL
I = INTERMEDIATE ALLUVIAL
D = DEEP ALLUVIAL
LCS-1 277 LEACHATE COLLECTION SUMP LEACHATE ELEVATION (FEET MSL)
SG-8 433.87 STAFF GAUGE LOCATION WATER ELEVATION (FEET MSL)
NOTE: GROUNDWATER AND SURFACE WATER ELEVATIONS MEASURED BY GOLDER ON JULY 12, 1996, EXCEPT FOR LCS-1, LCS-2, LCS-3, AND LCS-4 WHICH WERE MEASURED ON JULY 16, 1996. (NM = NOT MEASURED OR NO READING).
E. 517,000
E. 516,000
E. 515,000
E. 514,000
E. 513,000
N. 1,071,000
N. 1,070,000
N. 1,069,000
N. 1,068,000
N. 1,067,000
N. 1,066,000
N. 1,065,000
ST. CHARLES ROCK ROAD
SITE SURFACE WATER RETENTION POND
ENTRANCE STATION
ACTIVE SANITARY LANDFILL
PERMIT No.118912
INACTIVE DEMOLITION LANDFILL
INACTIVE LANDFILL
BORROW AREA
ASPHALT PLANT
ABANDONED CONCRETE PLANT
LEACHATE LAGOONS (ABANDONED)
SOUTHWESTERN BELL SWITCHING STATION
UNITED REPAIR FACILITY
APPROXIMATE LOCATION OF EDGE OF ALLUVIAL VALLEY
LEACHATE RETENTION POND
EARTH CITY INDUSTRIAL PARK STORM WATER RETENTION POND
EARTH CITY INDUSTRIAL PARK
PZ-111-AS 435.46
I-68 434.47
D-14 431.66
S-84 433.85
D-85 434.52
D-71 362.00
LCS-3 272
LCS-1 277
LCS-2 267
LCS-4 280
I-67 434.62
PZ-207-AS 434.52
S-5 434.55
I-4 434.52
D-3 434.46
MW-F1S 434.27
MW-F1D 434.26
PZ-113-AS 434.39
PZ-113-AD 434.35
PZ-112-AS 434.31
I-66 434.65
MW-F3 434.69
D-13 434.73
SG-5 DRY
I-65 434.69
D-87 434.34
LR-104 434.15
PZ-305-AI 434.17
I-73 433.36
PZ-205-AS 433.71
LR-103 434.25
S-88 434.24
D-12 434.41
S-10 434.46
I-11 434.49
SG-2 435.14
SG-1 435.07
S-6 434.67
SG-3 435.13
SG-4 435.25
I-62 434.63
D-85 434.63
D-6 434.40
S-61 434.79
MW-102 434.48
MW-101 434.60
I-7 438.57
S-75 434.68
PZ-302-AS 434.23
PZ-302-AI 434.05
PZ-304-AI 434.20
PZ-304-AS 434.13
PZ-103-AS 434.23
MW-F2 434.06
D-81 434.12
S-53 (NM)
MW-103 434.17
MW-104 434.06
S-82 434.35
I-9 434.35
D-93 432.86
I-2 434.35
S-1 434.37
SG-6 433.58
SG-7 433.51
S-51 434.05
SG-8 433.87
SG-9 433.86
MW-107 441.85
NORTH
SCALE IN FEET
0 100 200 400
NOTE: TOPOGRAPHY PROVIDED BY SURDEX, JANUARY 1995
REV. DATE DESCRIPTION DR. BY APP. BY
CLIENT/PROJECT
LAIDLAW
LAIDLAW WASTE SYSTEMS INC.
WEST LAKE LANDFILL
TITLE
JULY 12, 1996
UNCONSOLIDATED MATERIALS
WATER TABLE MAP
Denver, Colorado
Golder Associates
DRAWN TMC
CHECKED MJK
REVIEWED CER
APPROVED WEH
FILE NO. 28480168
DATE AUGUST 1996
SCALE AS SHOWN
JOB NO. 943-2848
DWG. NO. D168
FIGURE 4-33



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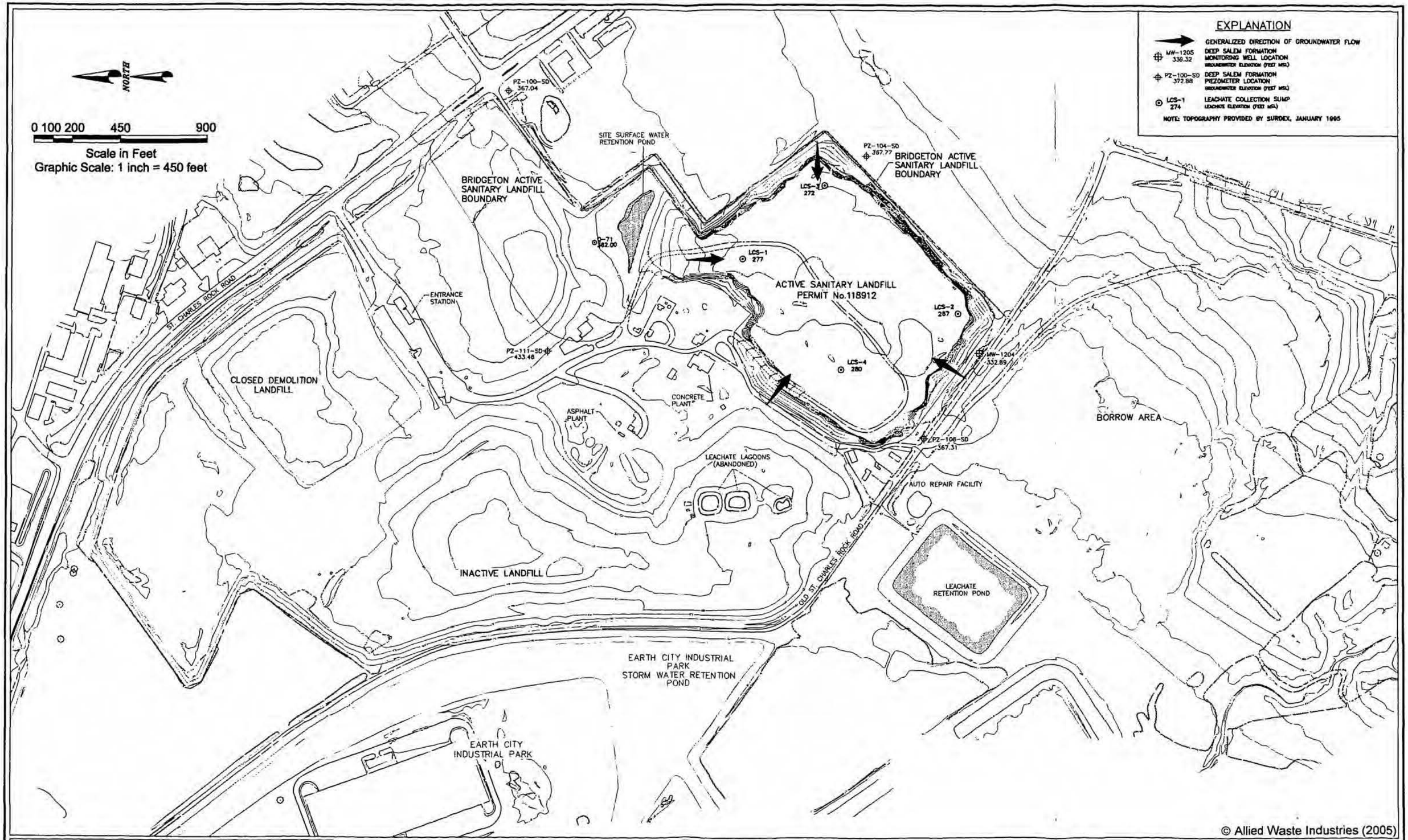
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-17
Keokuk Hydrologic Unit
July 12, 1996
Potentiometric Surface Map



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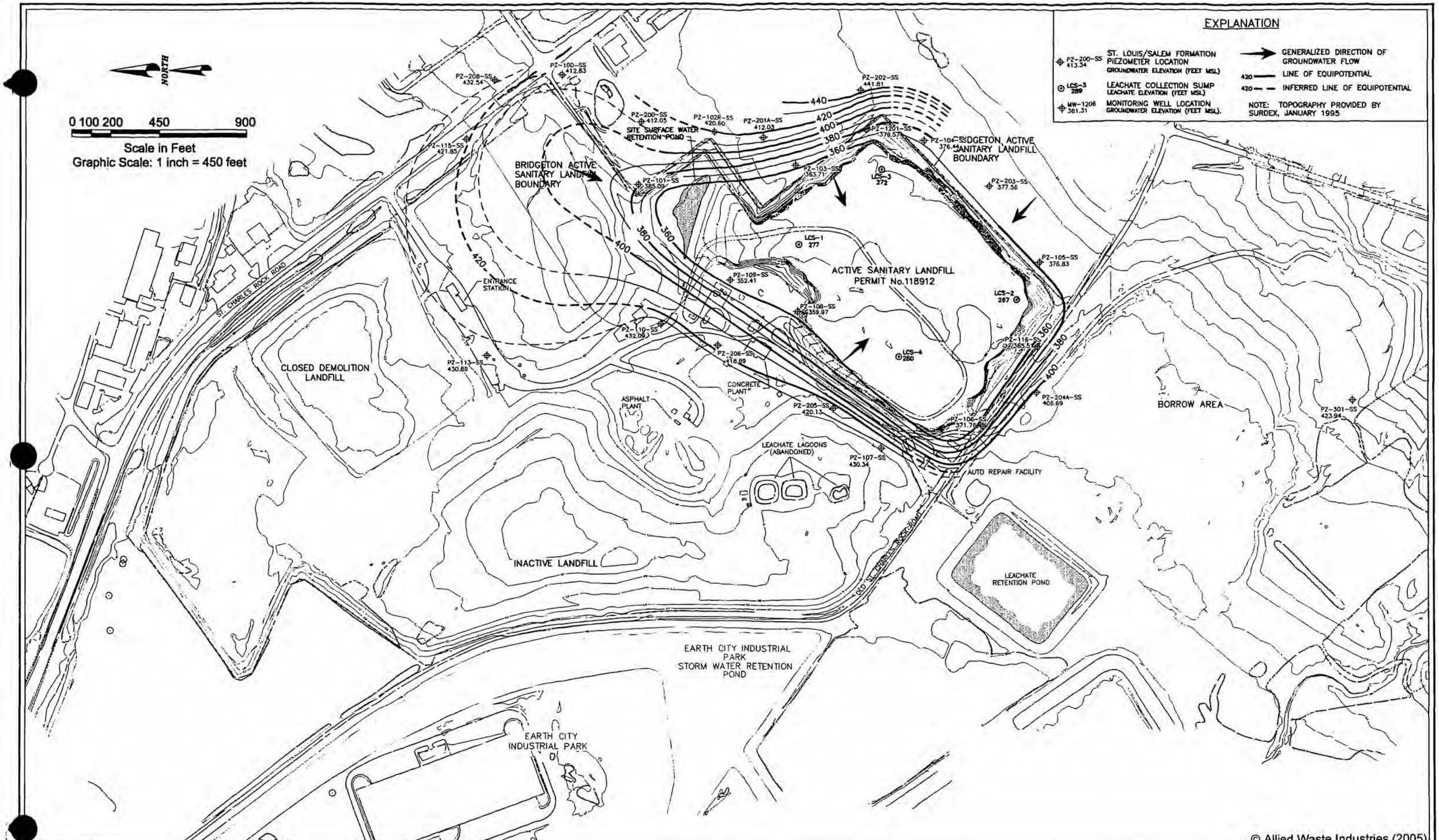
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-25
Deep Salem Hydrologic Unit
July 12, 1996
Potentiometric Surface Map



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West Lake Landfill OU-2
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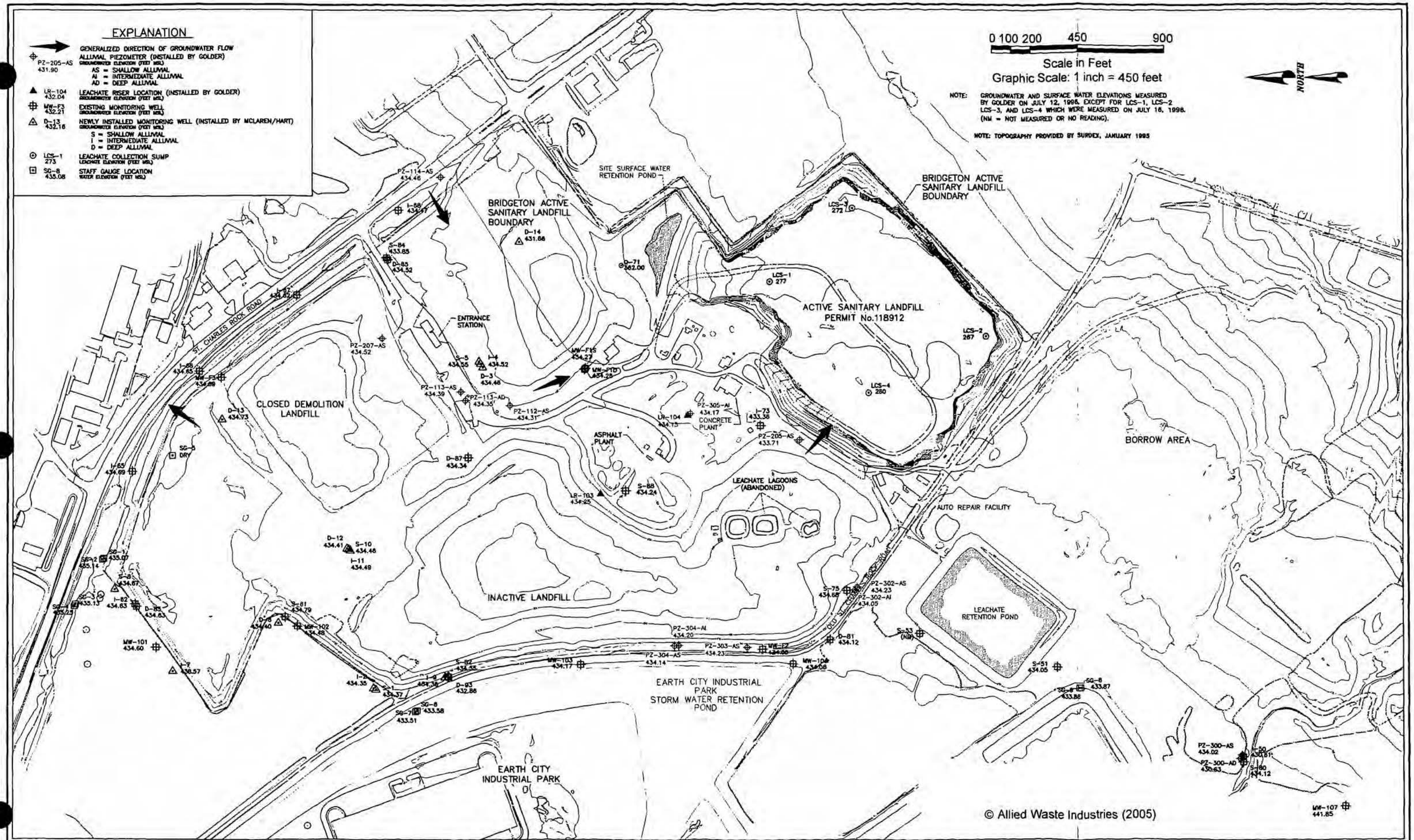
Figure 3-33
St. Louis/Upper Salem Hydrologic Unit
July 12, 1996
Potentiometric Surface Map



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West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-41
Unconsolidated Material
July 12, 1996
Water Table Map

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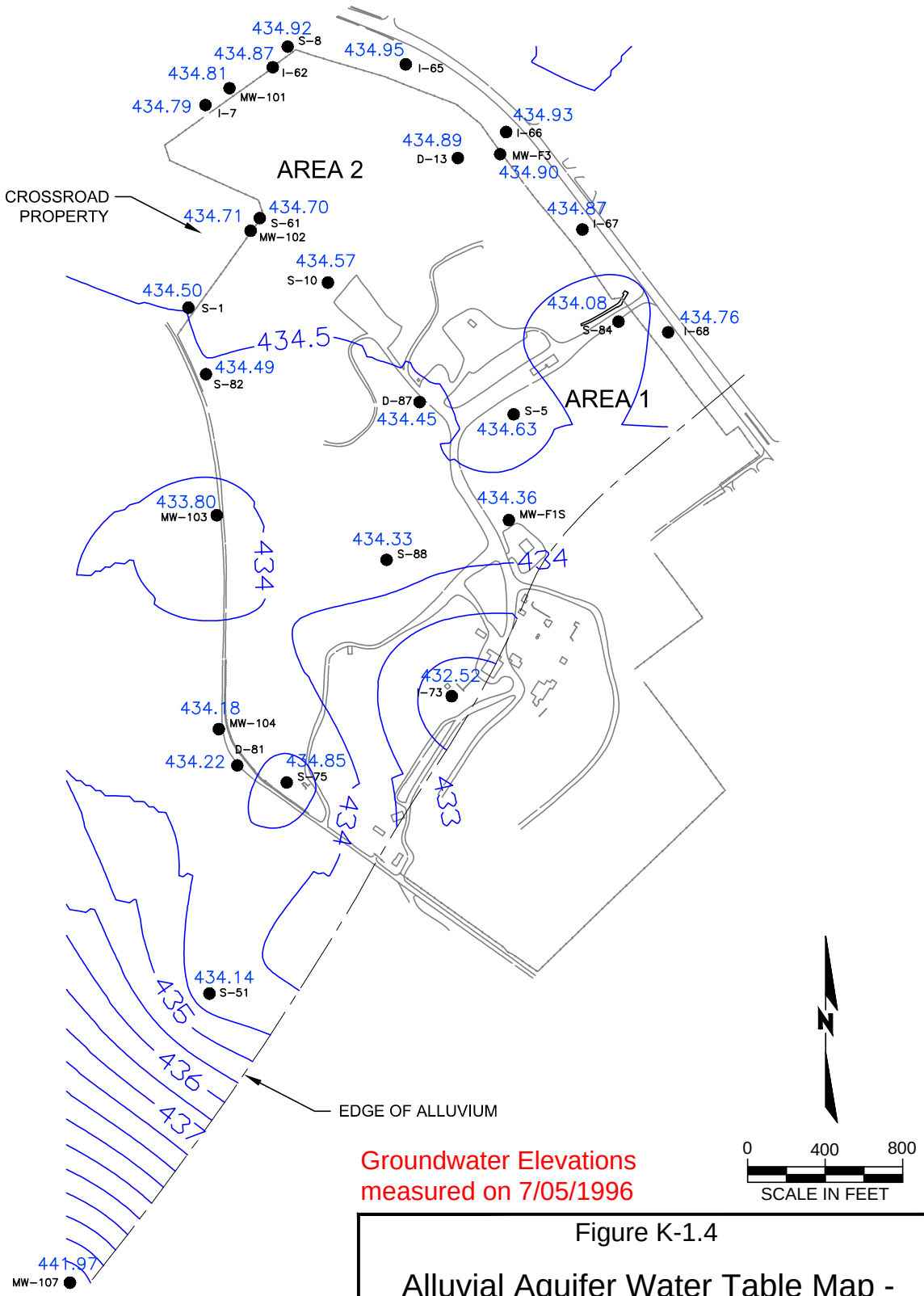


Groundwater Elevations measured on 7/05/1996

LEGEND

441.97 Water table elevation

MW-107 Well number

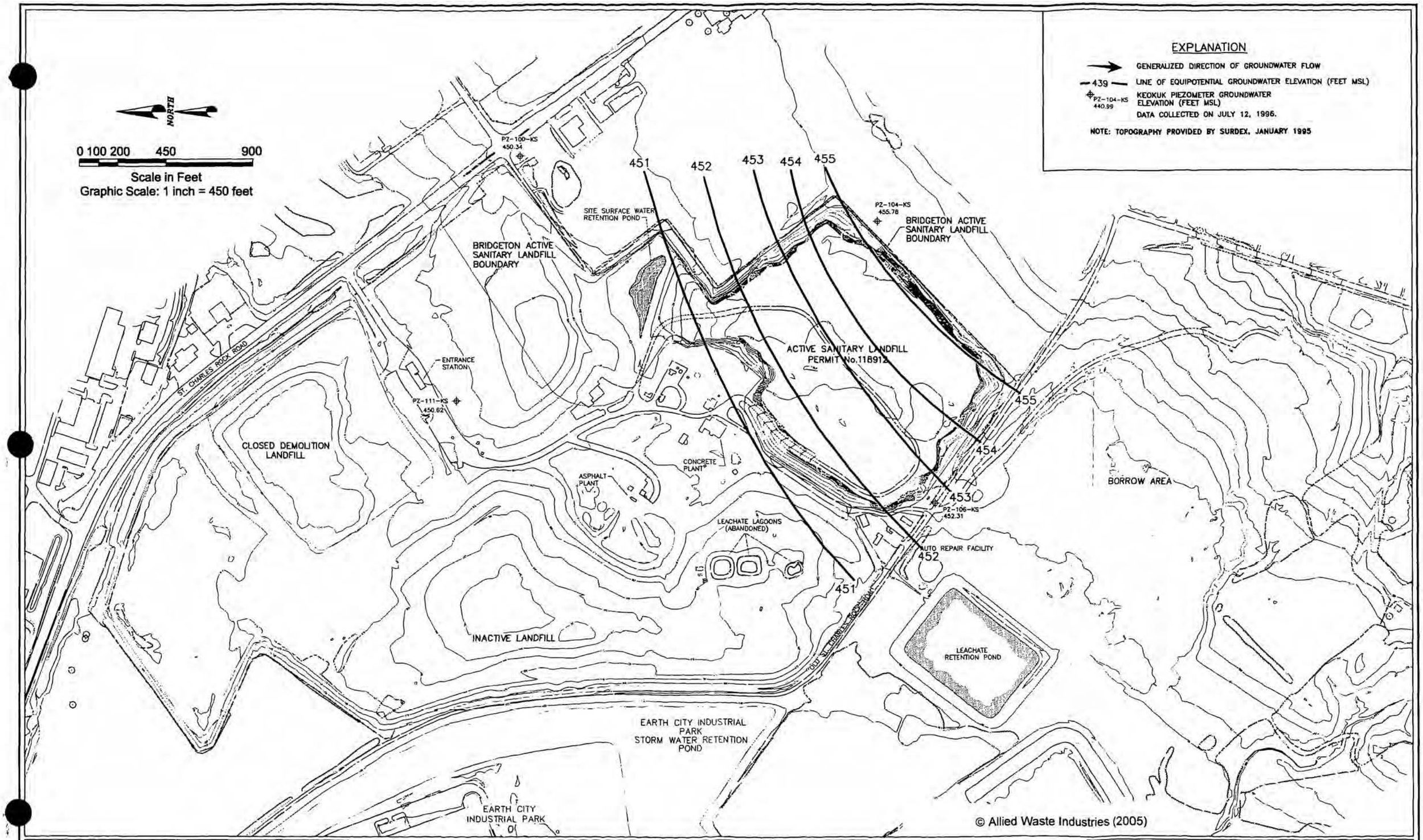
435 Groundwater Elevation Contour

Figure K-1.4

Alluvial Aquifer Water Table Map - July, 1996

West Lake Landfill OU-1 RI Addendum

EMSI Engineering Management Support, Inc.



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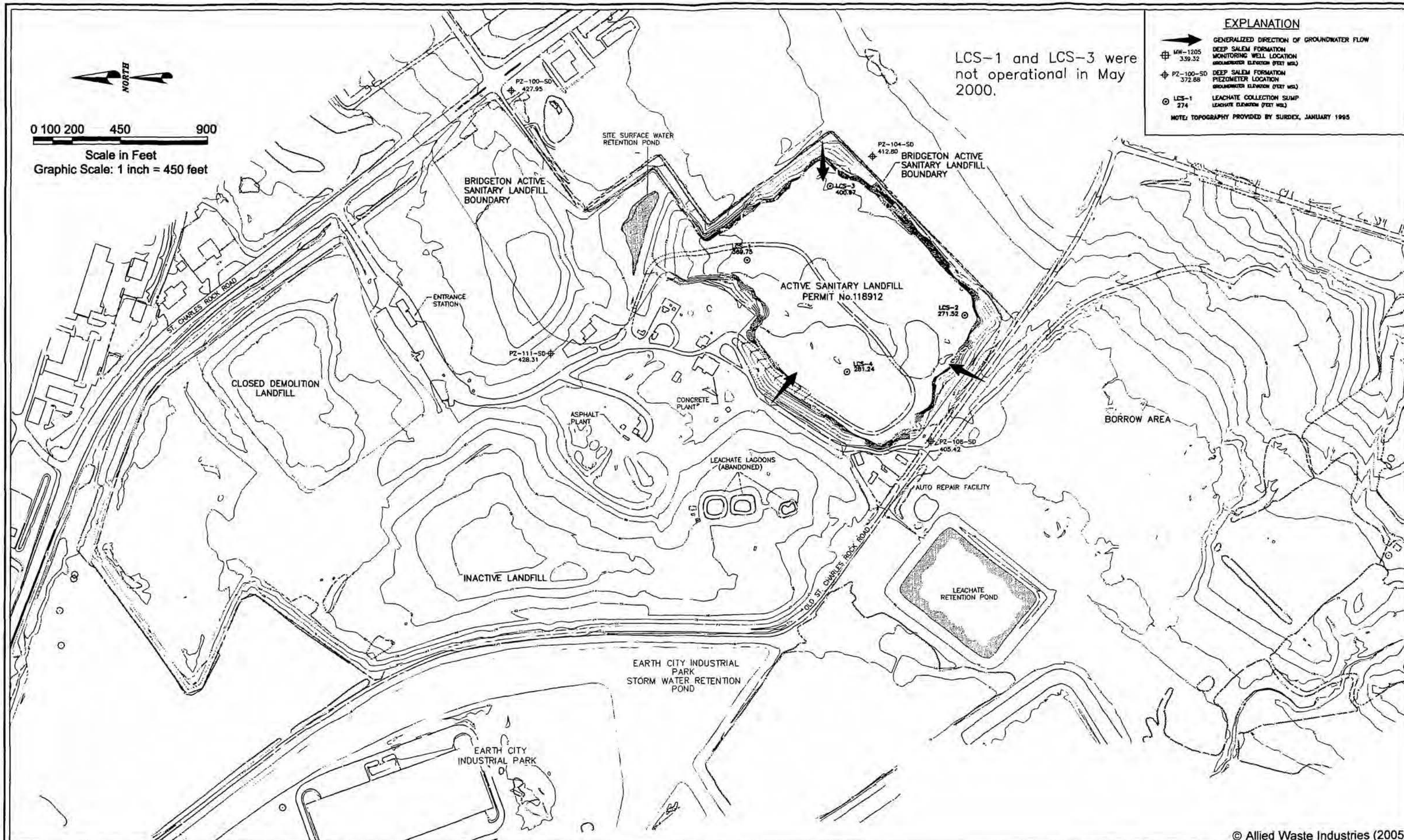
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-18
Keokuk Hydrologic Unit
May 22, 2000
Potentiometric Surface Map



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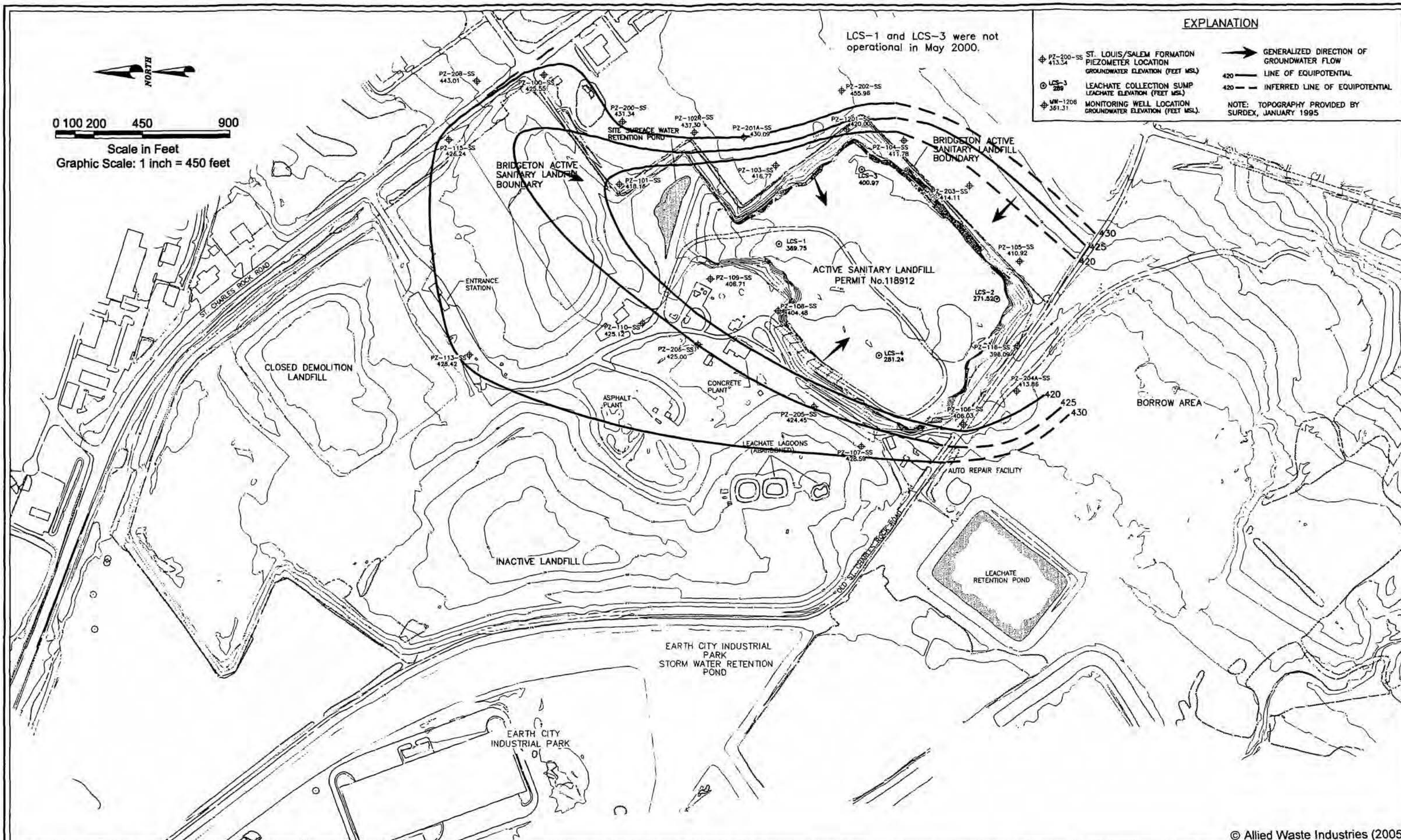
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-26
Deep Salem Hydrologic Unit
May 22, 2000
Potentiometric Surface Map



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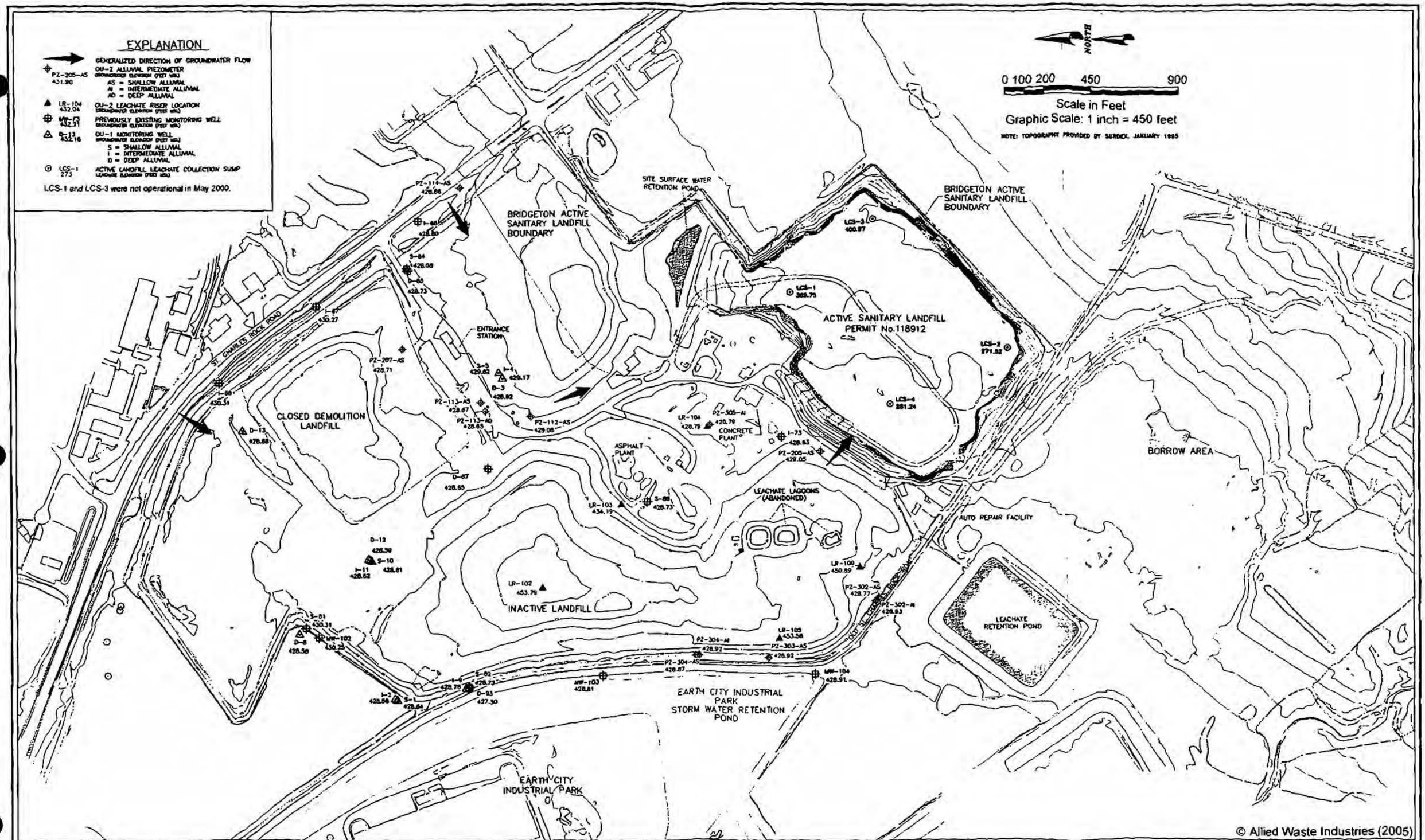
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-34
St. Louis/Upper Salem Hydrologic Unit
May 22, 2000
Potentiometric Surface Map



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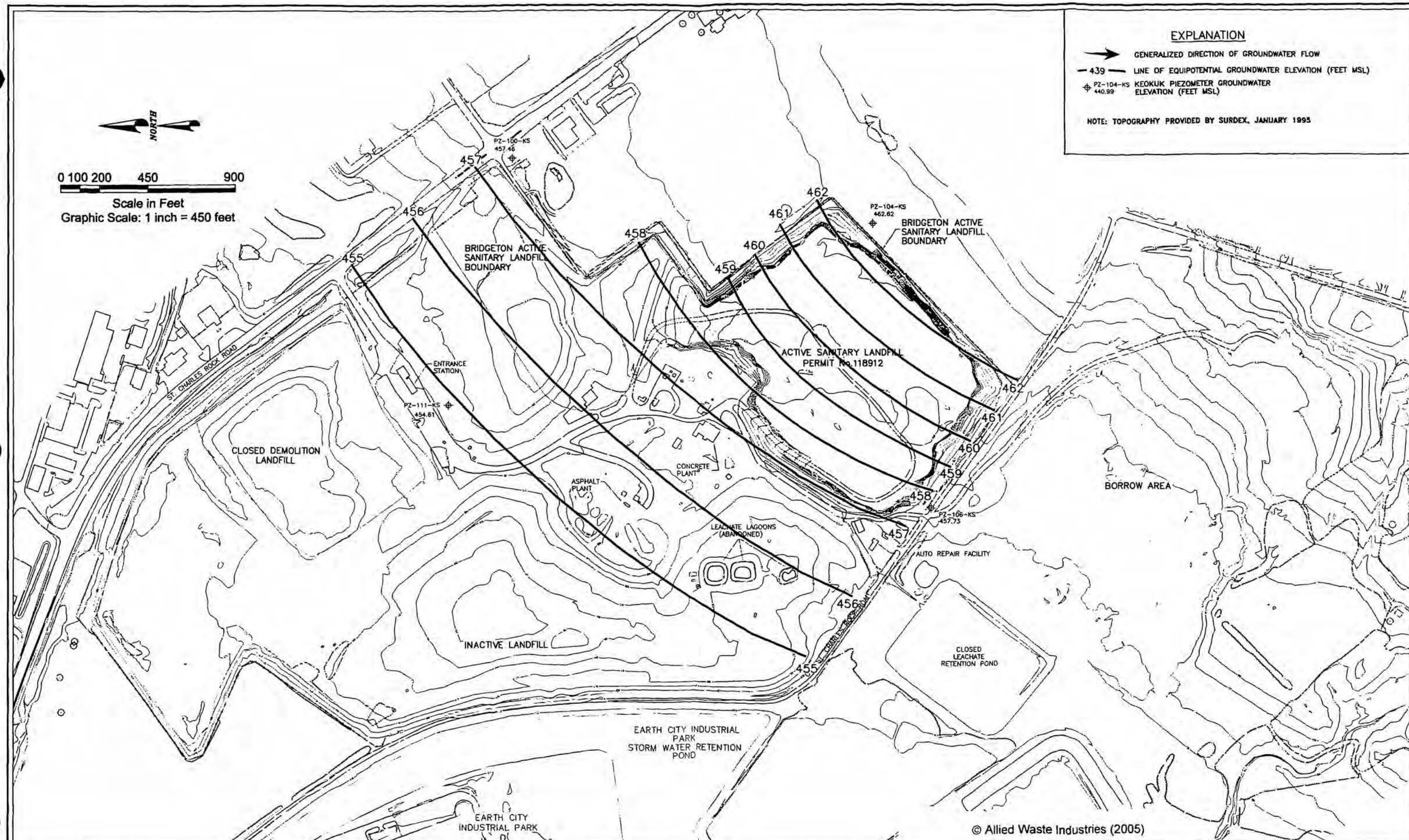
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-42
Unconsolidated Material
May 22, 2000
Water Table Map



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West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-19
Keokuk Hydrologic Unit
November 19, 2003
Potentiometric Surface Map

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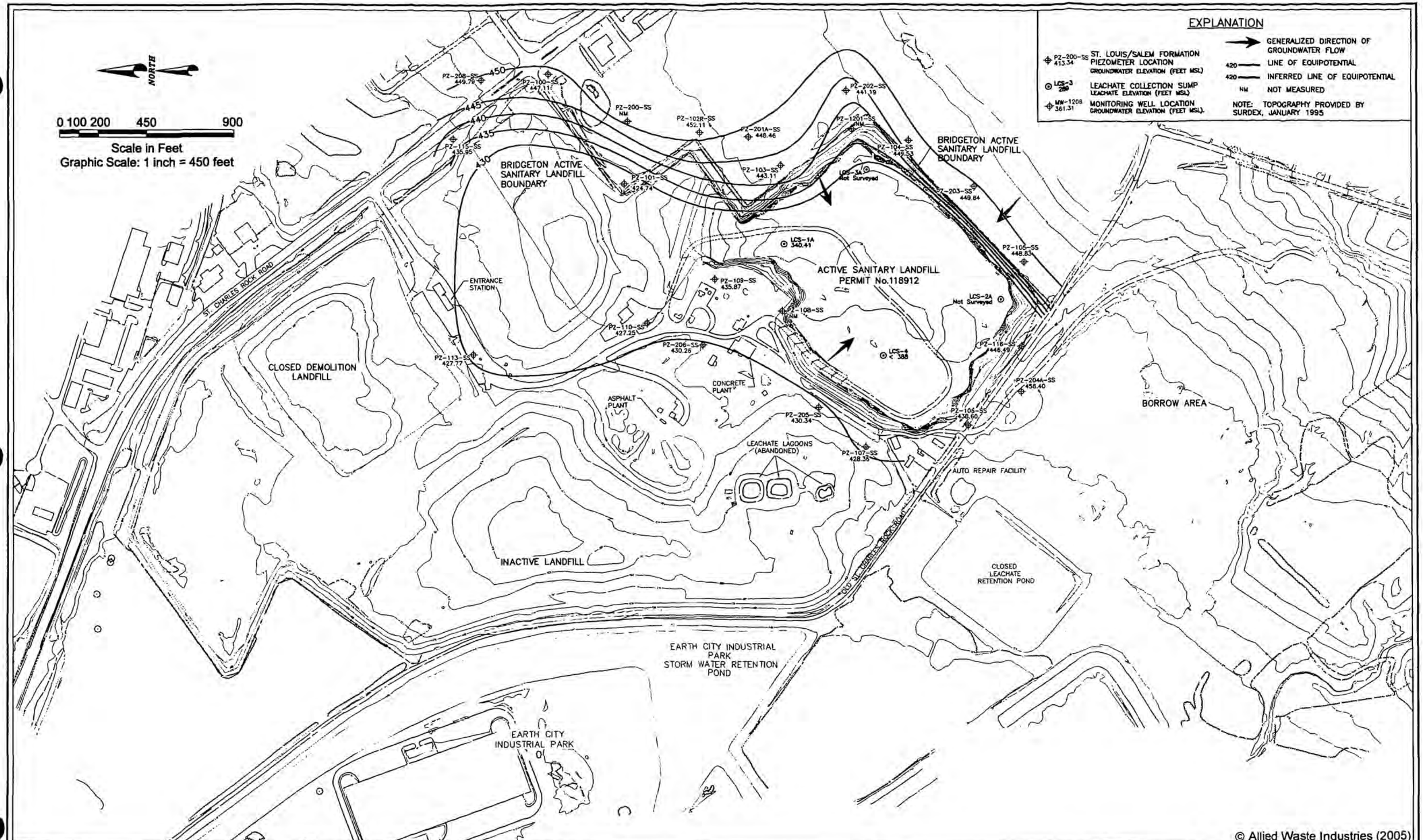
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-27
Deep Salem Hydrologic Unit
November 19, 2003
Potentiometric Surface Map



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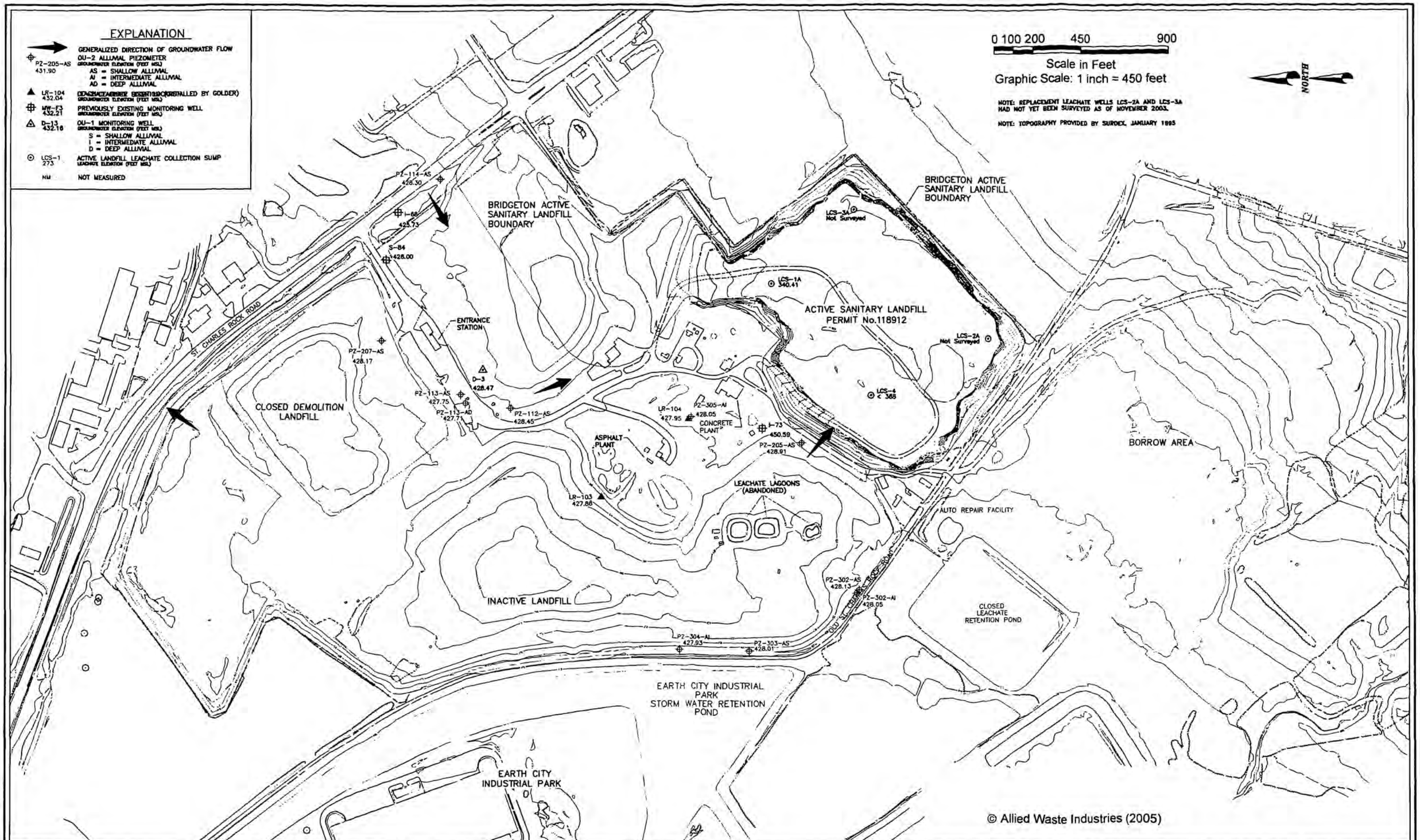
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-35
St. Louis/Upper Salem Hydrologic Unit
November 19, 2003
Potentiometric Surface Map



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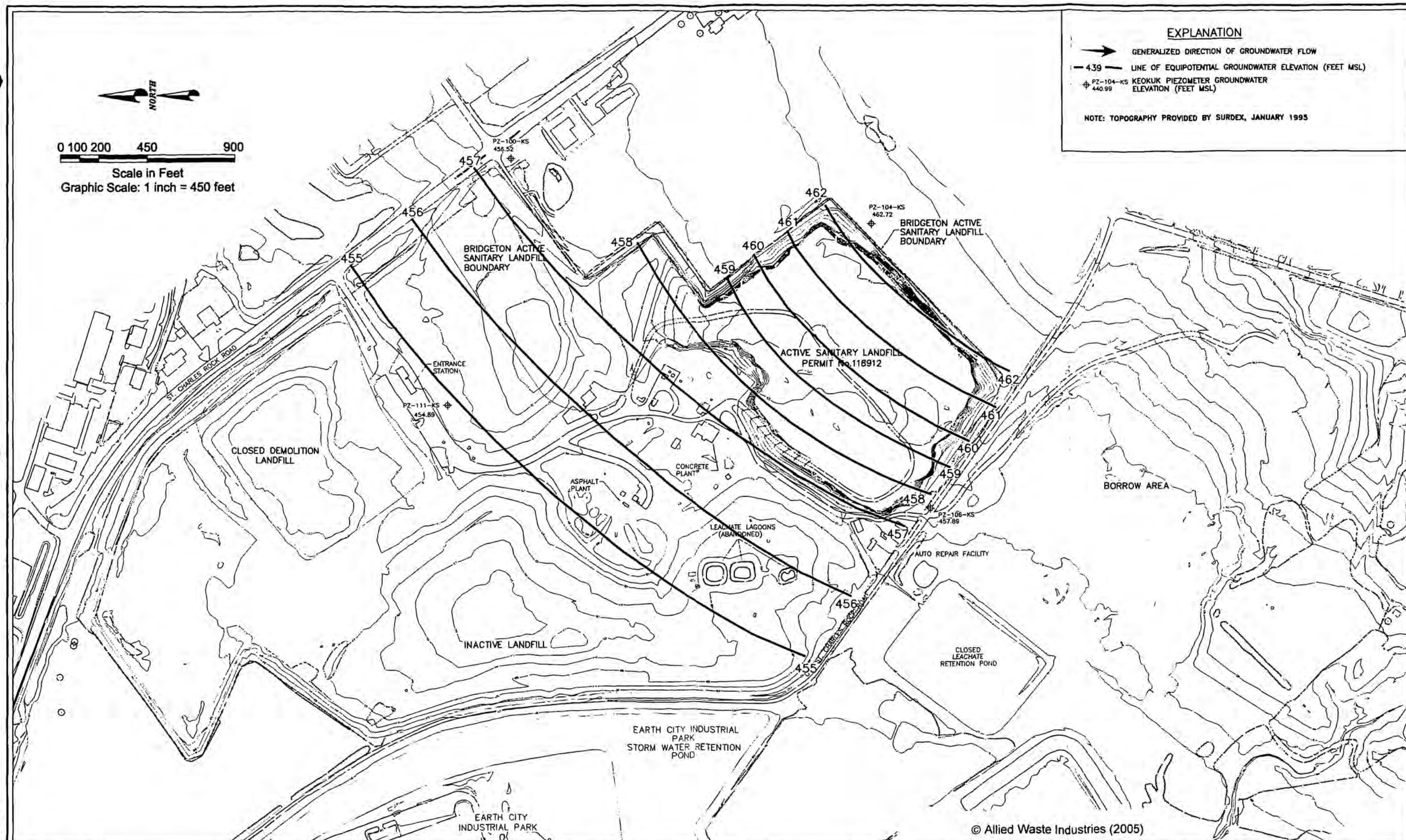
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-43
Unconsolidated Material Unit
November 19, 2003
Water Table Map



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West Lake Landfill OU-2
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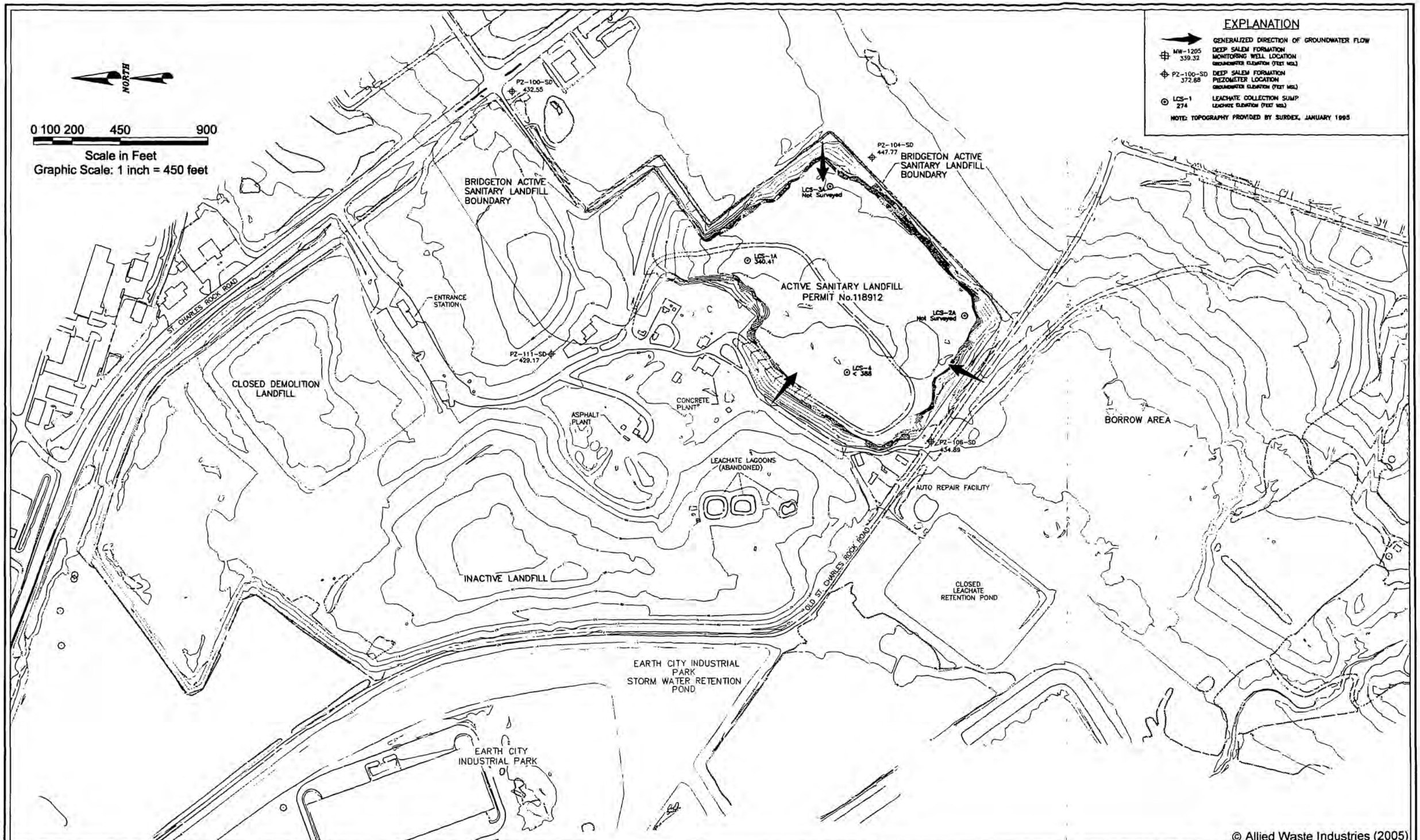
Figure 3-20
Keokuk Hydrologic Unit
May 10, 2004
Potentiometric Surface Map



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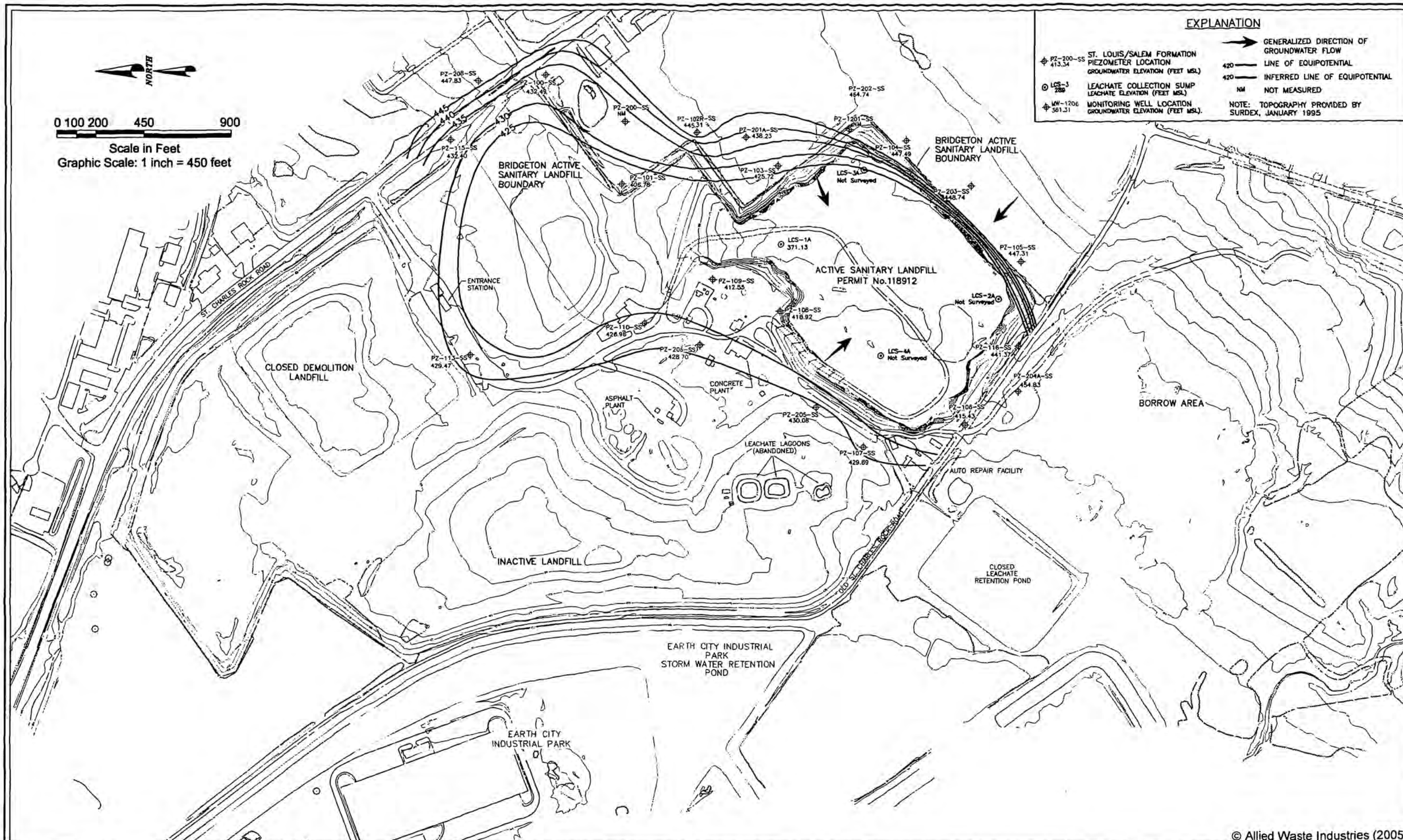
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-28
Deep Salem Hydrologic Unit
May 10, 2004
Potentiometric Surface Map



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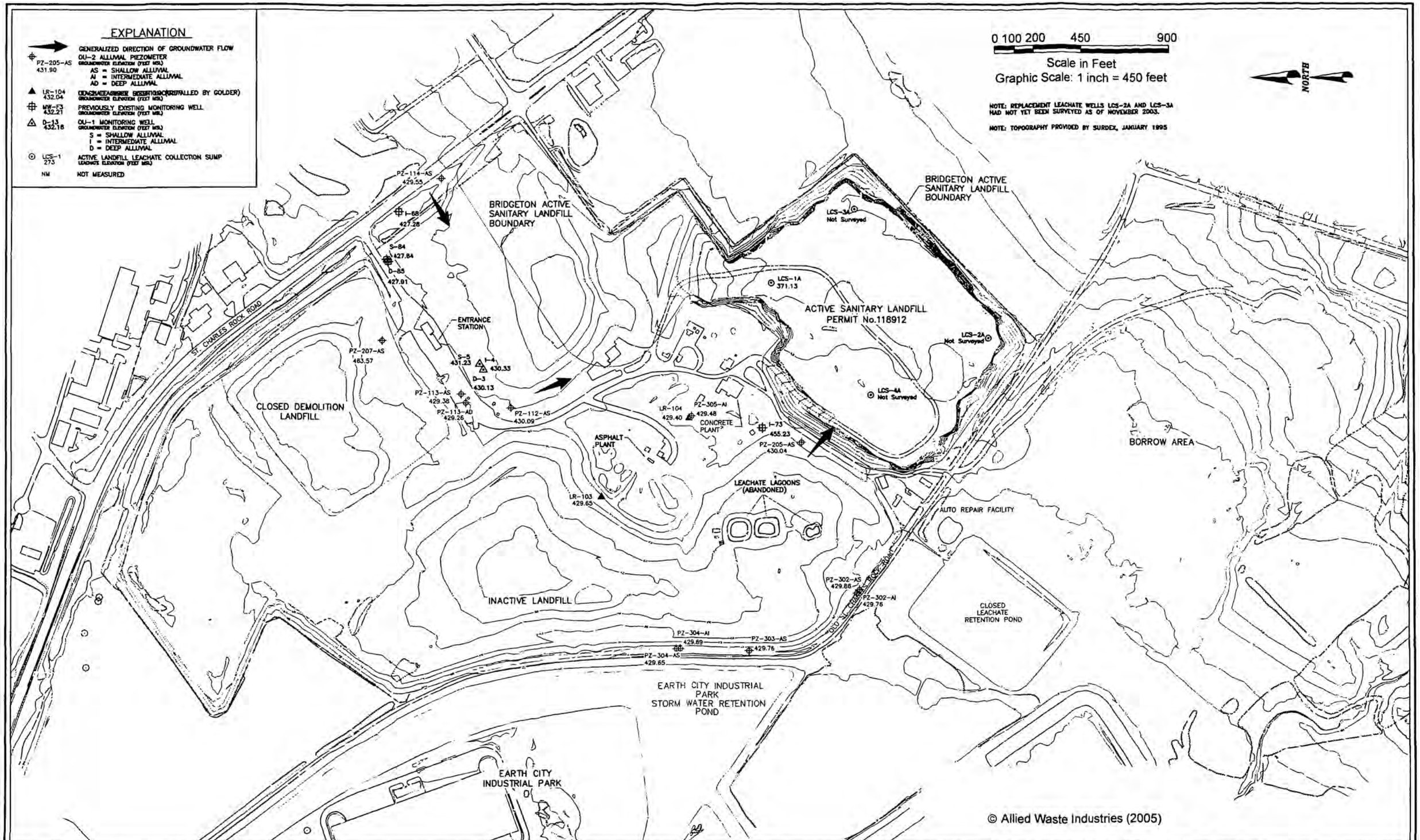
West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-36
St. Louis/Upper Salem Hydrologic Unit
May 10, 2004
Potentiometric Surface Map



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West Lake Landfill OU-2
Bridgeton, Missouri

Figure 3-44
Unconsolidated Material Unit
May 10, 2004
Water Table Map

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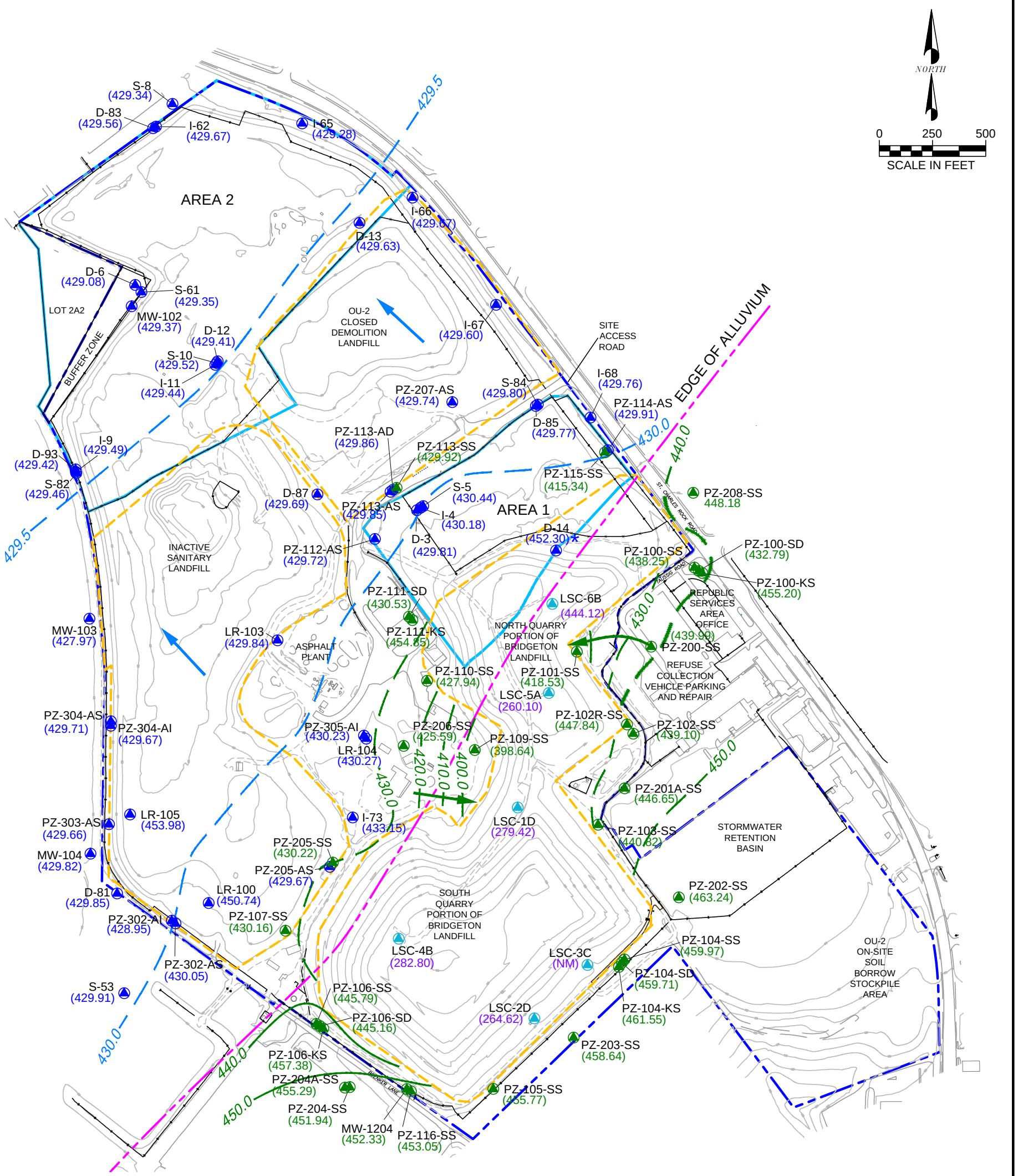

LEGEND

- Leachate Collection Sump
- Alluvium Groundwater Well
- Bedrock Groundwater Well
- Landfill Boundary
- OU-1 Area Boundary
- OU-2 Area Boundary
- Index Contour
- Paved Road
- Unpaved Road
- Building
- Fence

- 440 — Groundwater Elevation Contour (FAMSL) - Alluvium
- 440 — Groundwater Elevation Contour (FAMSL) - St. Louis Fm
- (279.02) Leachate Groundwater Elevation (FAMSL)
- (429.82) Alluvium Groundwater Elevation (FAMSL)
- (458.64) St. Louis Fm Groundwater Elevation (FAMSL)
- * Groundwater Elevation not used for contouring
- Groundwater Flow Direction - Alluvium
- Groundwater Flow Direction - St. Louis Fm
- (FAMSL) Feet above mean sea level

WELL FORMATION DESIGNATIONS

LR or MW: Undifferentiated
S or AS: Alluvial Shallow Well
I or AI: Alluvial Intermediate Well
D or AD: Alluvial Deep Well
SS: St. Louis Formation Well
SD: Salem Formation Well
KS: Keokuk Formation Well

NOTES:

1. Horizontal Coordinates Based on State Plane Missouri East Zone NAD 27
2. Elevations Based on U.S.G.S. Datum.
3. Existing Grade Contours are from the Aerial Survey Completed by the Sanborn Mapping Company on July 20, 2011.
4. Base Map Prepared by Aquaterra Environmental Solutions, Inc.

Figure K-2.1

Alluvial Groundwater Table and St. Louis FM. Potentiometric Elevation Map - July 30, 2012

West Lake Landfill OU-1 RI Addendum

EMSI Engineering Management Support, Inc.

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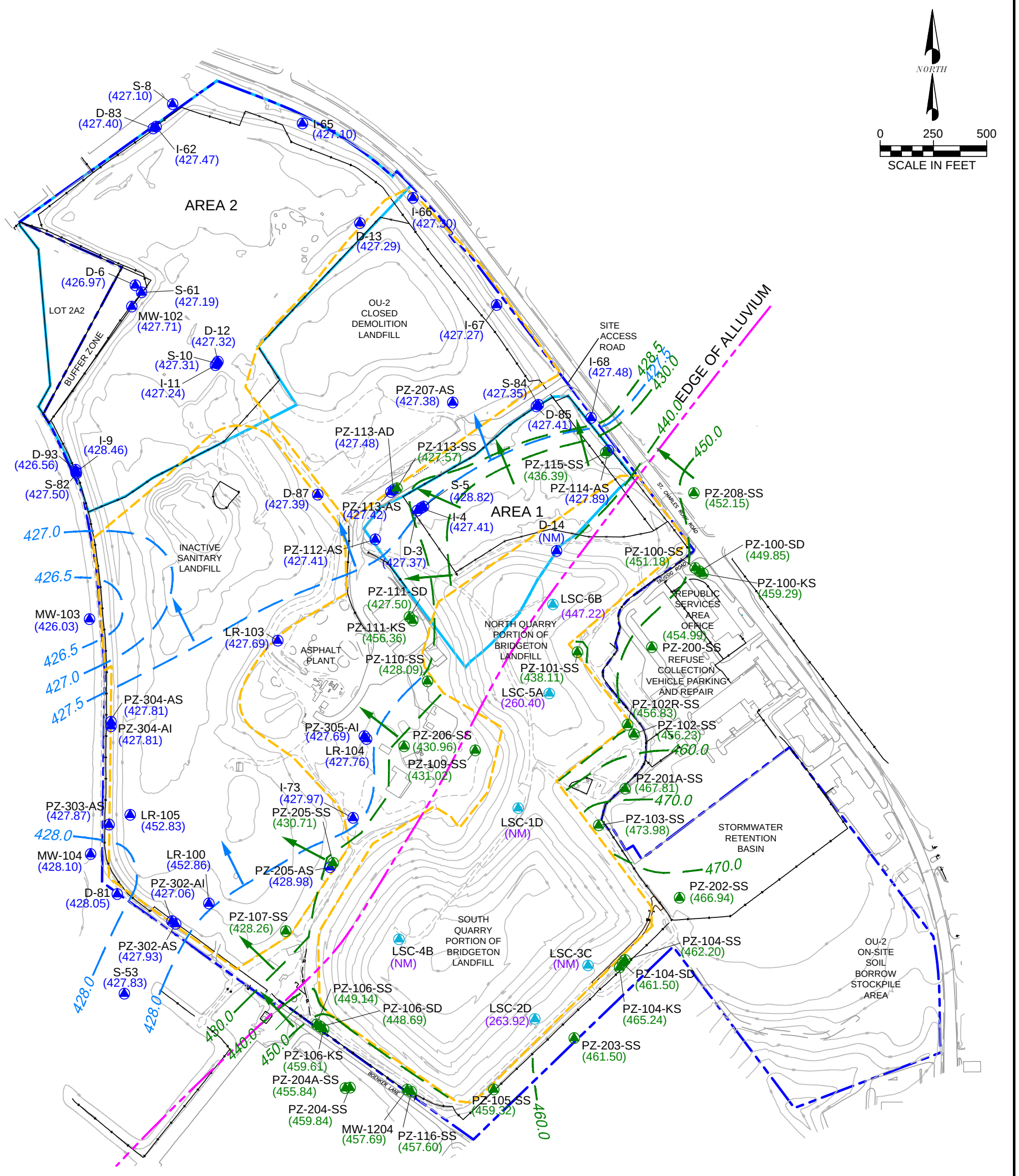

LEGEND

- Leachate Collection Sump
- Alluvium Groundwater Well
- Bedrock Groundwater Well
- Landfill Boundary
- OU-1 Area Boundary
- OU-2 Area Boundary
- Index Contour
- Paved Road
- Unpaved Road
- Building
- Fence

- 440 — Groundwater Elevation Contour (FAMSL) - Alluvium
- 440 — Groundwater Elevation Contour (FAMSL) - St. Louis Fm
- (279.02) Leachate Groundwater Elevation (FAMSL)
- (429.82) Alluvium Groundwater Elevation (FAMSL)
- (458.64) St. Louis Fm Groundwater Elevation (FAMSL)
- * Groundwater Elevation not used for contouring
- Groundwater Flow Direction - Alluvium
- Groundwater Flow Direction - St. Louis Fm
- (FAMSL) Feet above mean sea level

WELL FORMATION DESIGNATIONS

LR or MW: Undifferentiated
S or AS: Alluvial Shallow Well
I or AI: Alluvial Intermediate Well
D or AD: Alluvial Deep Well
SS: St. Louis Formation Well
SD: Salem Formation Well
KS: Keokuk Formation Well

NOTES:

1. Horizontal Coordinates Based on State Plane Missouri East Zone NAD 27
2. Elevations Based on U.S.G.S. Datum.
3. Existing Grade Contours are from the Aerial Survey Completed by the Sanborn Mapping Company on July 20, 2011.
4. Base Map Prepared by Aquaterra Environmental Solutions, Inc.

Figure K-2.2
Alluvial Groundwater Table and St. Louis FM. Potentiometric Elevation Map - April 2, 2013
West Lake Landfill OU-1 RI Addendum

EMSI Engineering Management Support, Inc.

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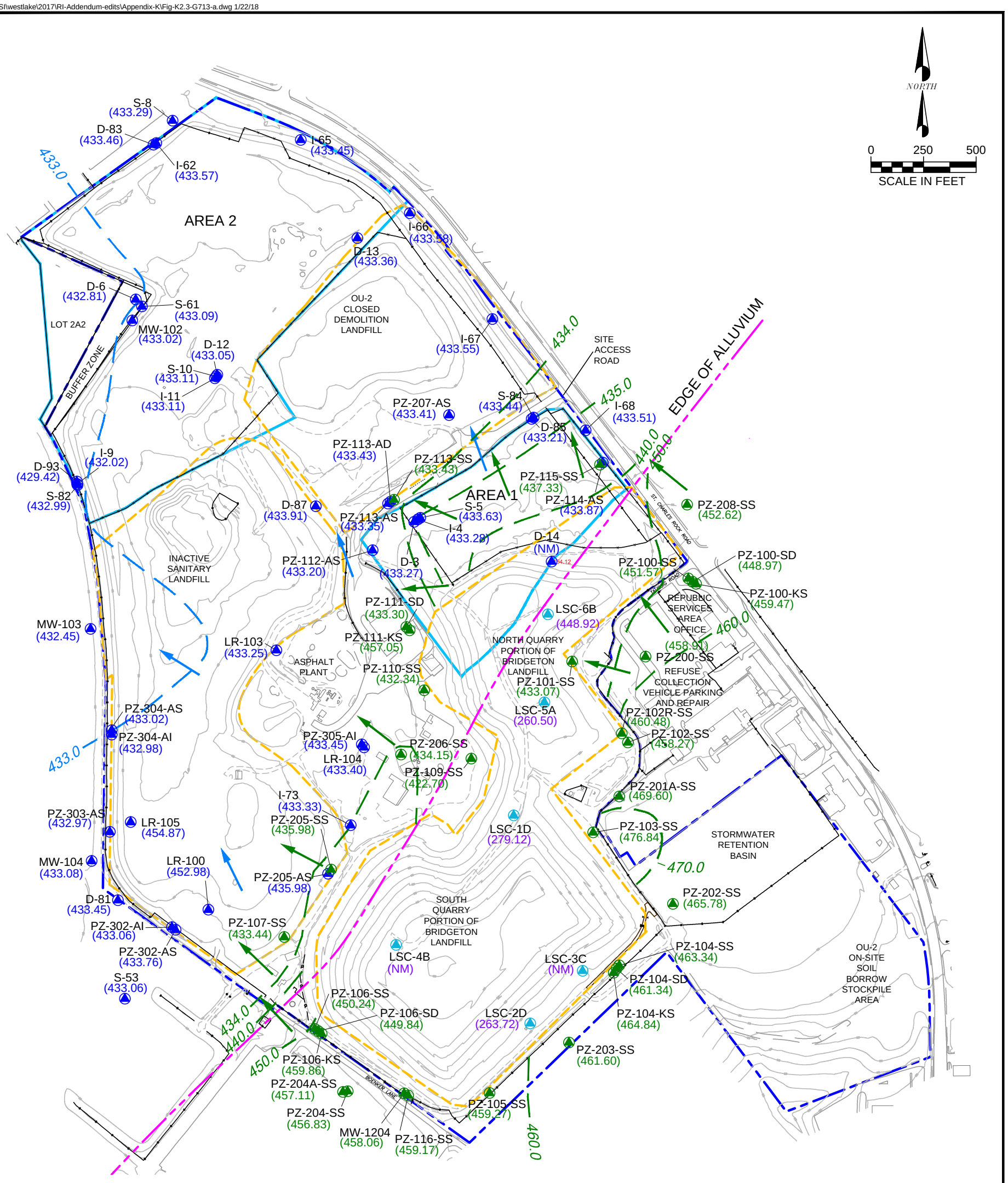

LEGEND

- Leachate Collection Sump
- Alluvium Groundwater Well
- Bedrock Groundwater Well
- Landfill Boundary
- OU-1 Area Boundary
- OU-2 Area Boundary
- Index Contour
- Paved Road
- Unpaved Road
- Building
- Fence

- 440 — Groundwater Elevation Contour (FAMSL) - Alluvium
- 440 — Groundwater Elevation Contour (FAMSL) - St. Louis Fm
- (279.02) Leachate Groundwater Elevation (FAMSL)
- (429.82) Alluvium Groundwater Elevation (FAMSL)
- (458.64) St. Louis Fm Groundwater Elevation (FAMSL)
- * Groundwater Elevation not used for contouring
- Groundwater Flow Direction - Alluvium
- Groundwater Flow Direction - St. Louis Fm
- (FAMSL) Feet above mean sea level

WELL FORMATION DESIGNATIONS

LR or MW: Undifferentiated
S or AS: Alluvial Shallow Well
I or AI: Alluvial Intermediate Well
D or AD: Alluvial Deep Well
SS: St. Louis Formation Well
SD: Salem Formation Well
KS: Keokuk Formation Well

NOTES:

1. Horizontal Coordinates Based on State Plane Missouri East Zone NAD 27
2. Elevations Based on U.S.G.S. Datum.
3. Existing Grade Contours are from the Aerial Survey Completed by the Sanborn Mapping Company on July 20, 2011.
4. Base Map Prepared by Aquaterra Environmental Solutions, Inc.

Figure K-2.3

Alluvial Groundwater Table and St. Louis FM. Potentiometric Elevation Map - July 8, 2013

West Lake Landfill OU-1 RI Addendum

EMSI Engineering Management Support, Inc.

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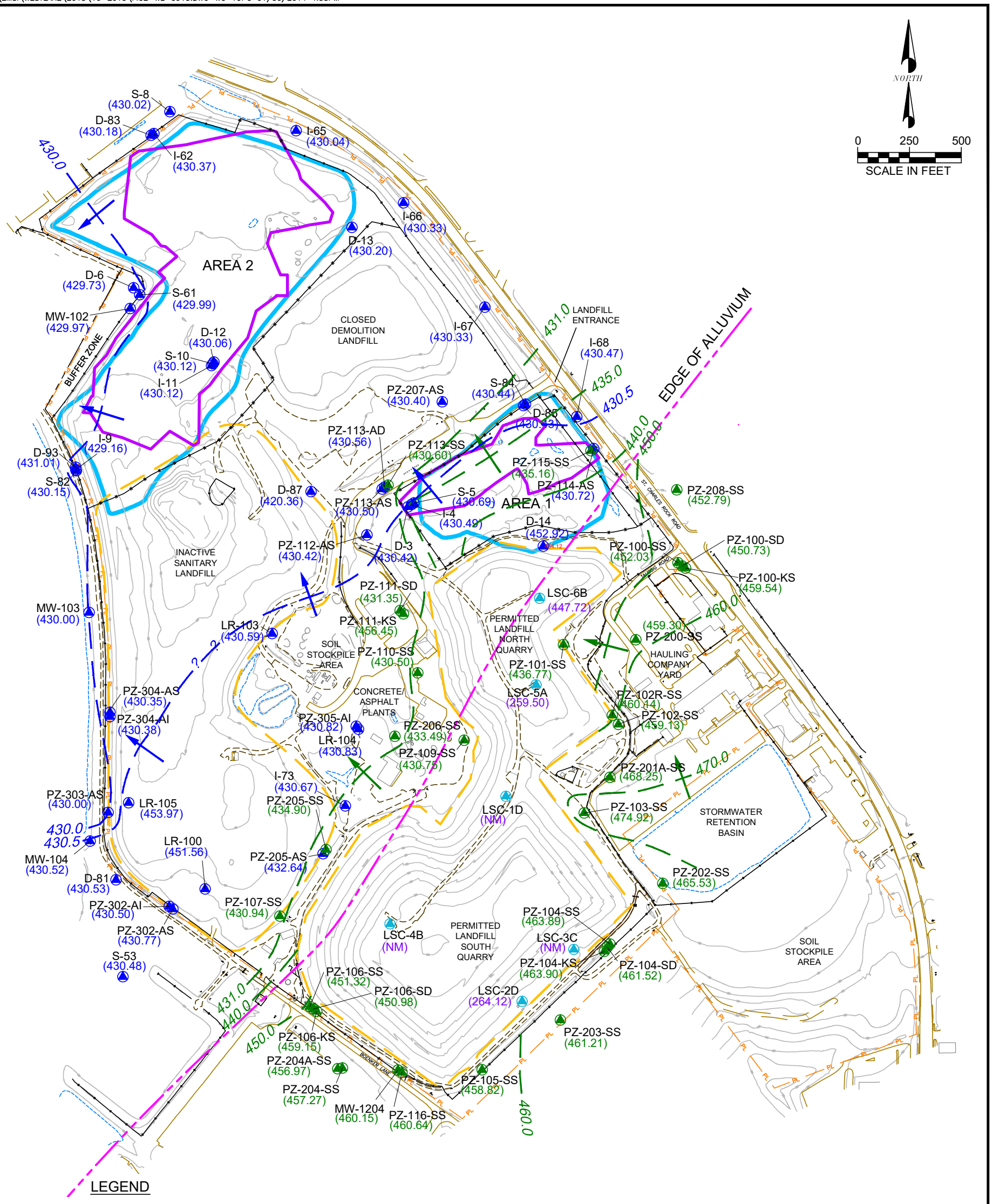

LEGEND

- Leachate Collection Sump
- Alluvium Groundwater Well
- Bedrock Groundwater Well
- Operable Unit-1 Area as Defined By ROD
- Estimated Extent of Radiologically Impacted Material
- Paved Road
- Unpaved Road

440	Groundwater Elevation Contour (FAMSL) - Alluvium
440	Groundwater Elevation Contour (FAMSL) - St. Louis Fm
(279.02)	Leachate Groundwater Elevation (FAMSL)
(429.82)	Alluvium Groundwater Elevation (FAMSL)
(458.64)	St. Louis Fm Groundwater Elevation (FAMSL)
*	Groundwater Elevation not used for contouring
→	Groundwater Flow Direction - Alluvium
→	Groundwater Flow Direction - St. Louis Fm
(FAMSL)	Feet above mean sea level

WELL FORMATION DESIGNATIONS

LR or MW:	Undifferentiated
S or AS:	Alluvial Shallow Well
I or AI:	Alluvial Intermediate Well
D or AD:	Alluvial Deep Well
SS:	St. Louis Formation Well
SD:	Salem Formation Well
KS:	Keokuk Formation Well

NOTES:

1. Horizontal Coordinates Based on State Plane Missouri East Zone NAD 27
2. Elevations Based on U.S.G.S. Datum.
3. Existing Grade Contours are from the Aerial Survey Completed by the Sanborn Mapping Company on July 20, 2011.
4. Base Map Prepared by Aquaterra Environmental Solutions, Inc.

Figure 2

Alluvial Groundwater Table and St. Louis FM. Potentiometric Elevation Map

September 30, 2013

West Lake Landfill Operable Unit-1

EMSI Engineering Management Support, Inc.

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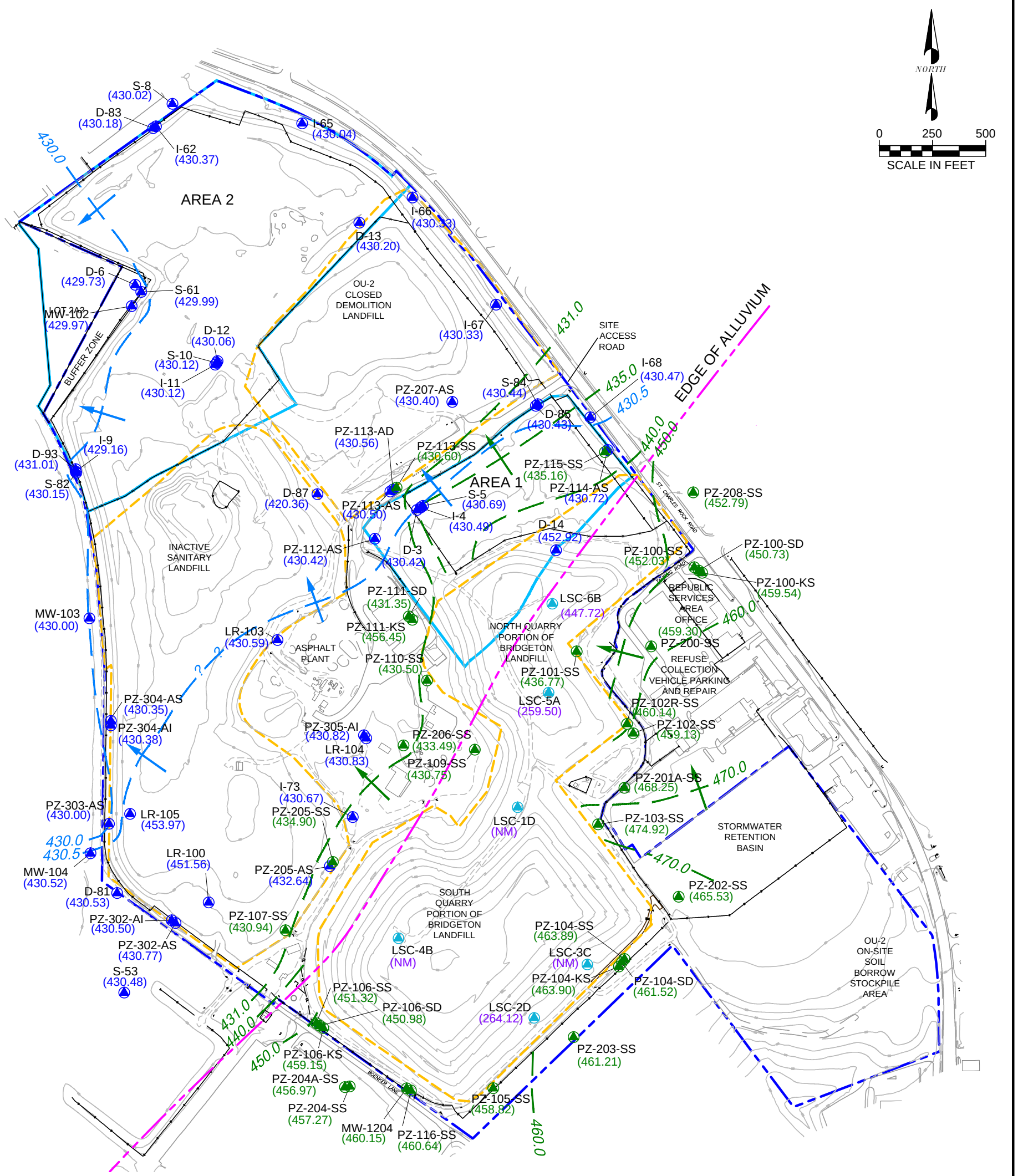


LEGEND

- Leachate Collection Sump
- Alluvium Groundwater Well
- Bedrock Groundwater Well
- Landfill Boundary
- OU-1 Area Boundary
- OU-2 Area Boundary
- Index Contour
- Paved Road
- Unpaved Road
- Building
- Fence

- 440 — Groundwater Elevation Contour (FAMSL) - Alluvium
- 440 — Groundwater Elevation Contour (FAMSL) - St. Louis Fm
- (279.02) Leachate Groundwater Elevation (FAMSL)
- (429.82) Alluvium Groundwater Elevation (FAMSL)
- (458.64) St. Louis Fm Groundwater Elevation (FAMSL)
- * Groundwater Elevation not used for contouring
- Groundwater Flow Direction - Alluvium
- Groundwater Flow Direction - St. Louis Fm
- (FAMSL) Feet above mean sea level

WELL FORMATION DESIGNATIONS

LR or MW: Undifferentiated
S or AS: Alluvial Shallow Well
I or AI: Alluvial Intermediate Well
D or AD: Alluvial Deep Well
SS: St. Louis Formation Well
SD: Salem Formation Well
KS: Keokuk Formation Well

NOTES:

1. Horizontal Coordinates Based on State Plane Missouri East Zone NAD 27
2. Elevations Based on U.S.G.S. Datum.
3. Existing Grade Contours are from the Aerial Survey Completed by the Sanborn Mapping Company on July 20, 2011.
4. Base Map Prepared by Aquaterra Environmental Solutions, Inc.

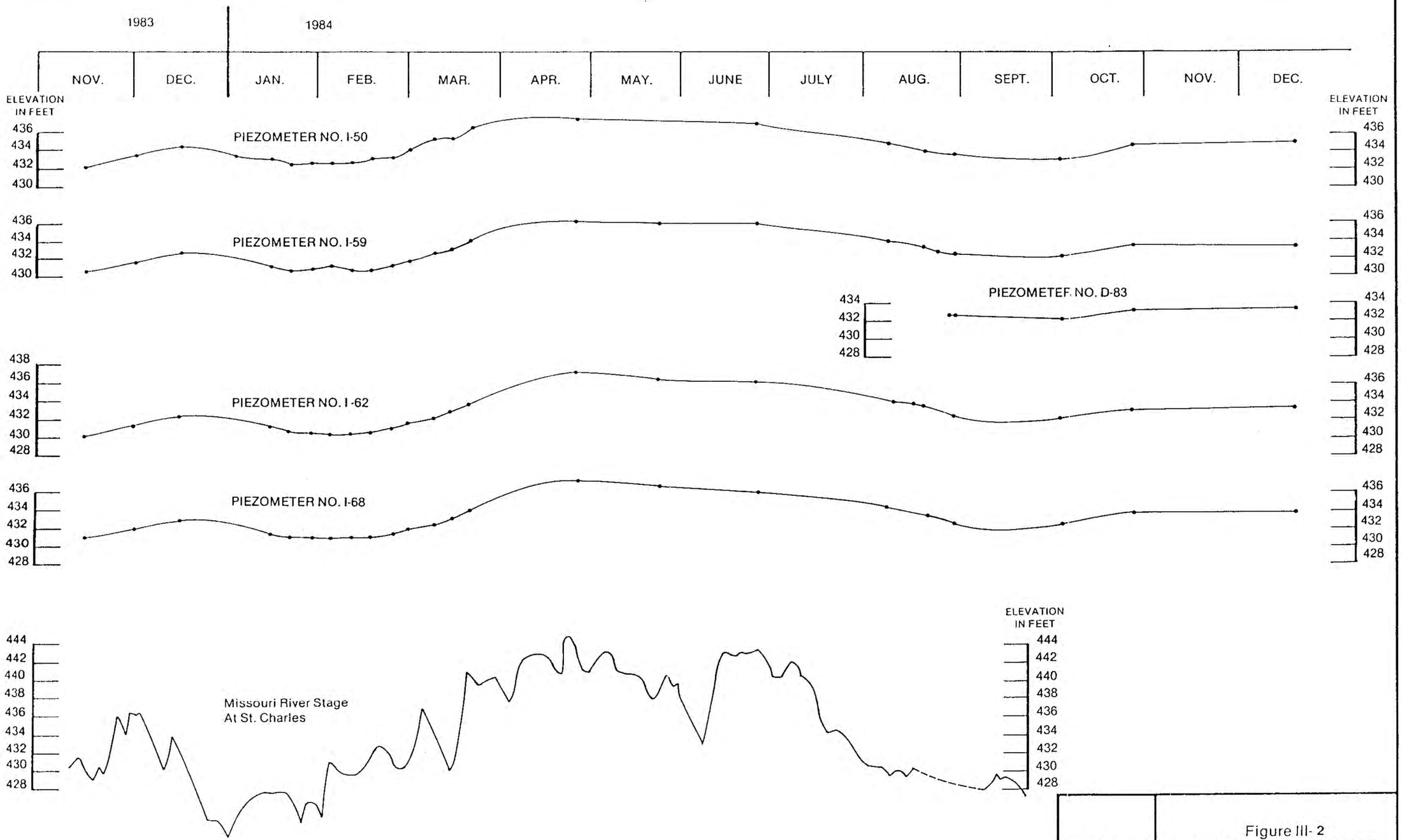
Figure K-2.4
Alluvial Groundwater Table and St. Louis FM. Potentiometric Elevation Map - September 30, 2013
West Lake Landfill OU-1 RI Addedum

EMSI Engineering Management Support, Inc.

APPENDIX O

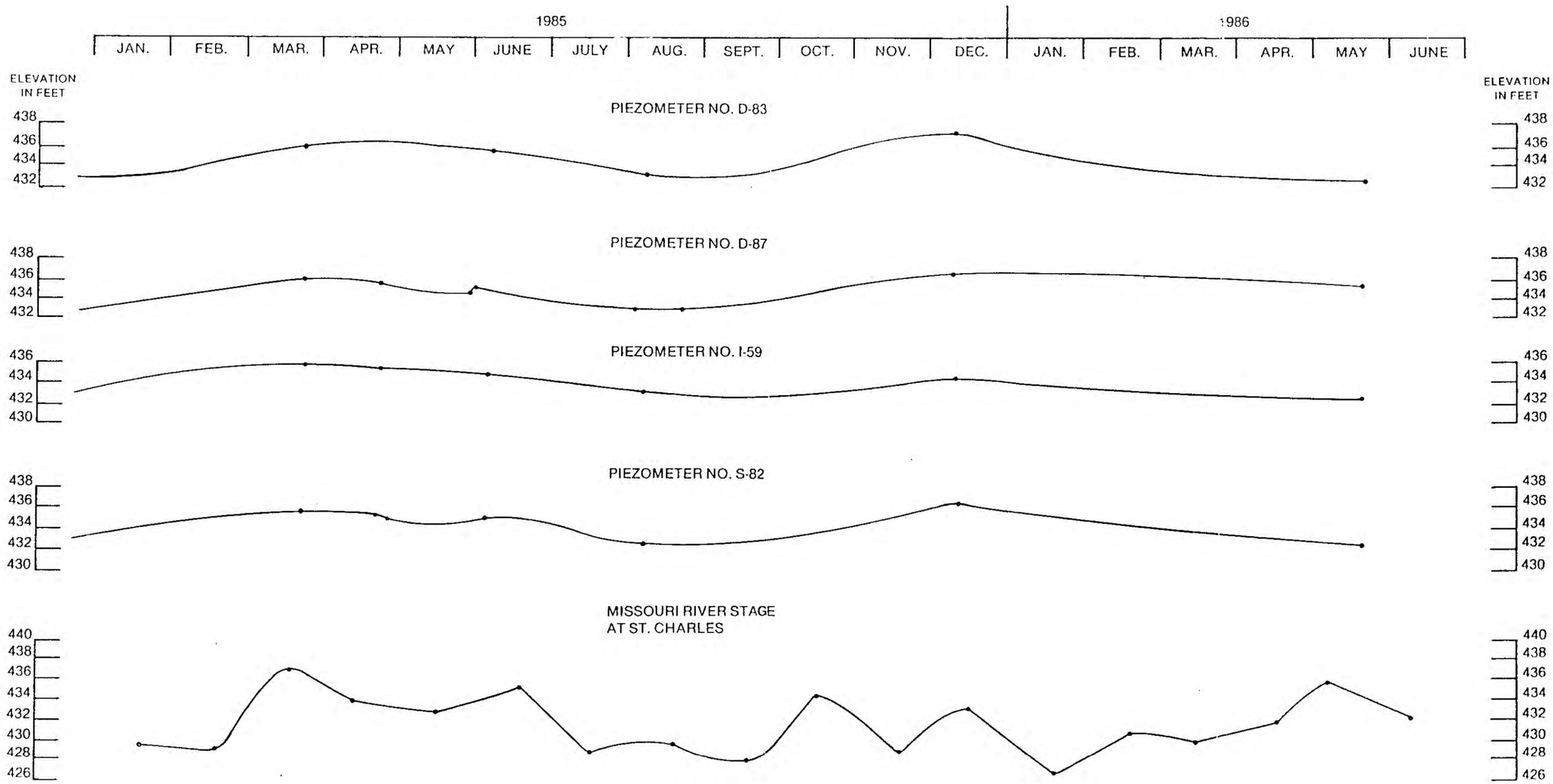
HYDROGRAPHS

DRAFT



Burns & McDonnell
ENGINEERS · ARCHITECTS · CONSULTANTS

Figure III- 2
PIEZOMETER AND RIVER
HYDROGRAPHS
NOV. 1983-DEC. 1984



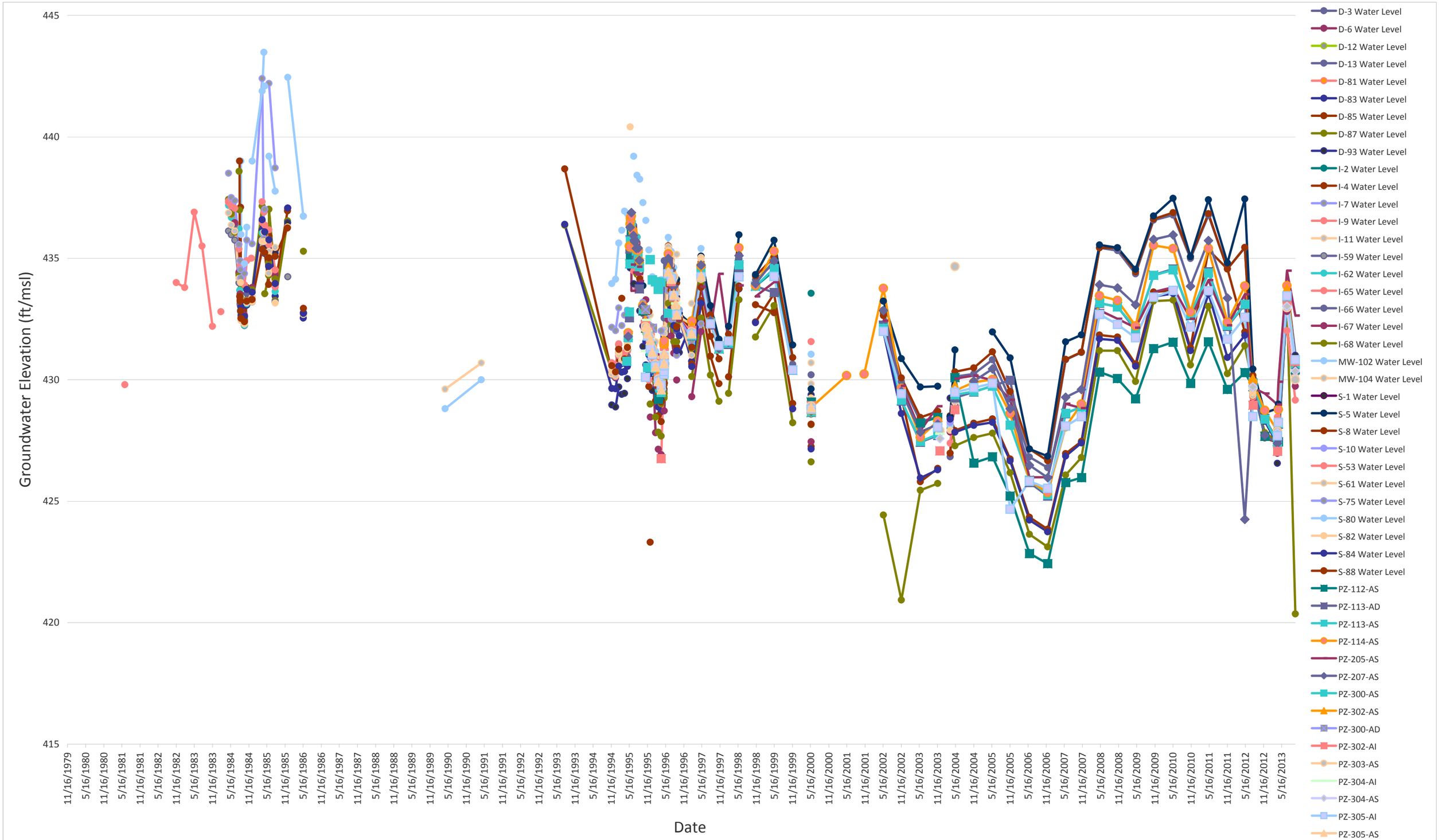
Burns & McDonnell

Figure III-3
PIEZOMETER AND RIVER HYDROGRAPHS
JAN. 1985 - JUNE 1986

Alluvial Wells

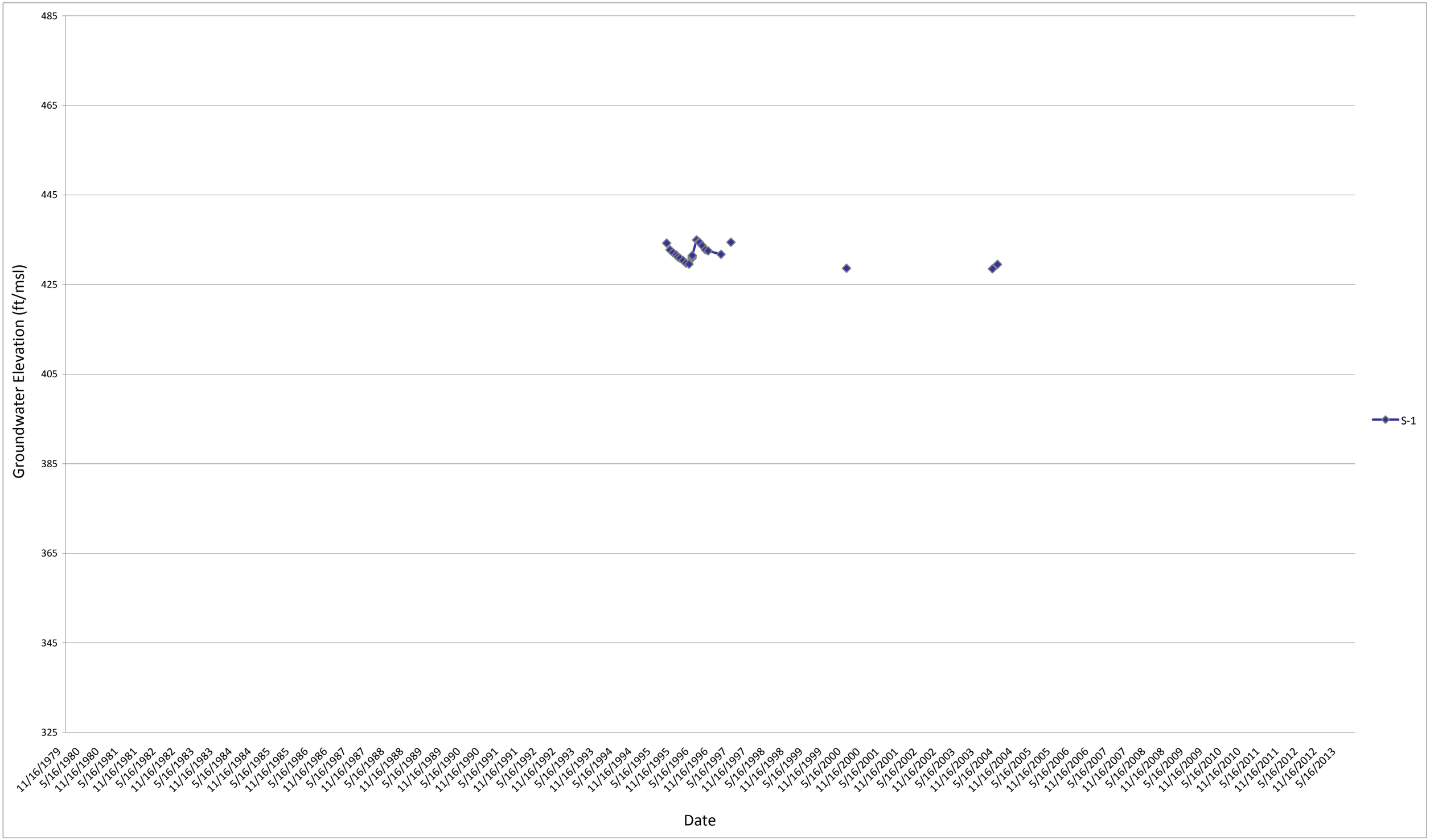
Groundwater Monitoring Wells - Alluvial Wells Only
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-1



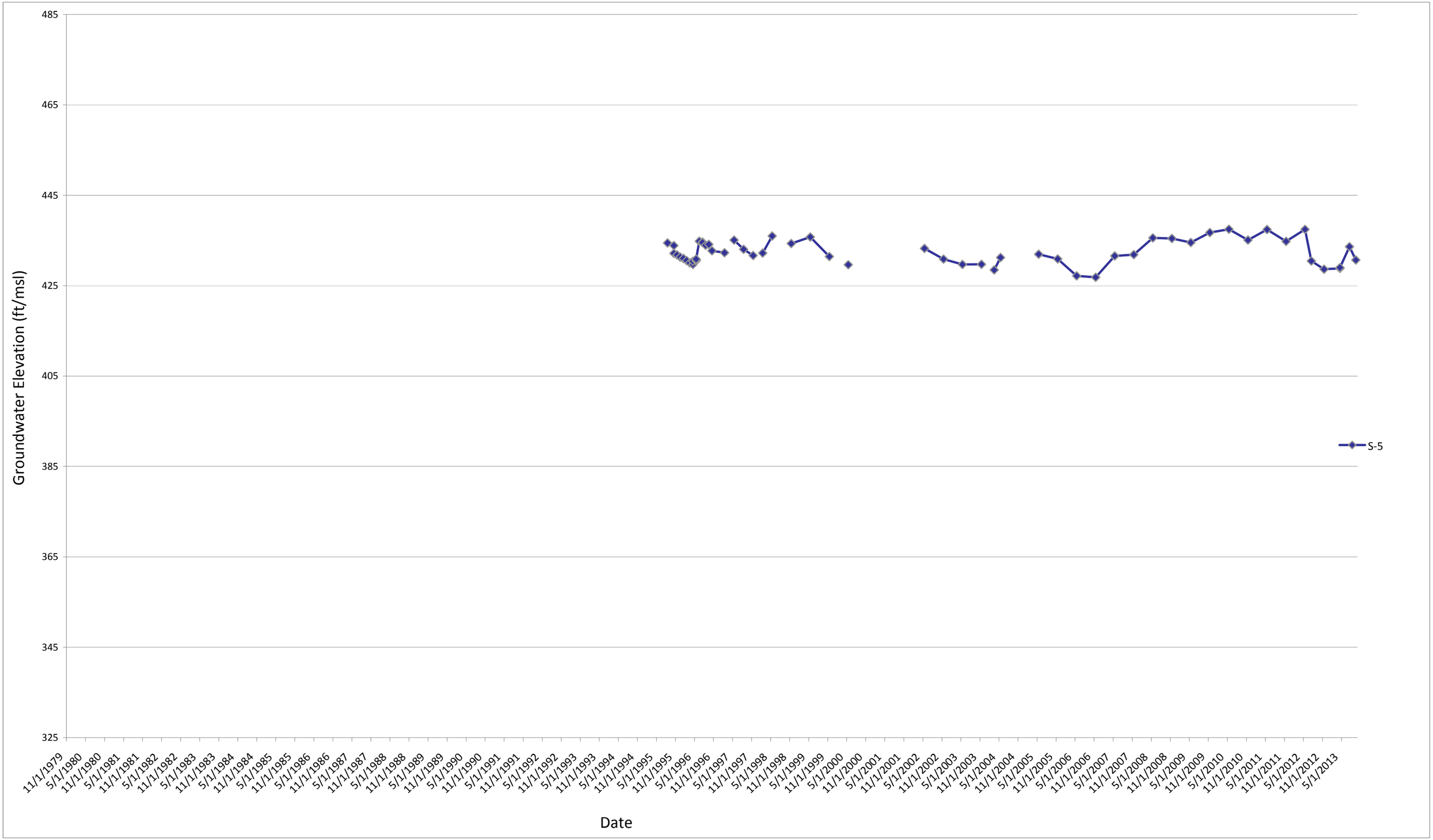
Groundwater Monitoring Well - S-1
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-2



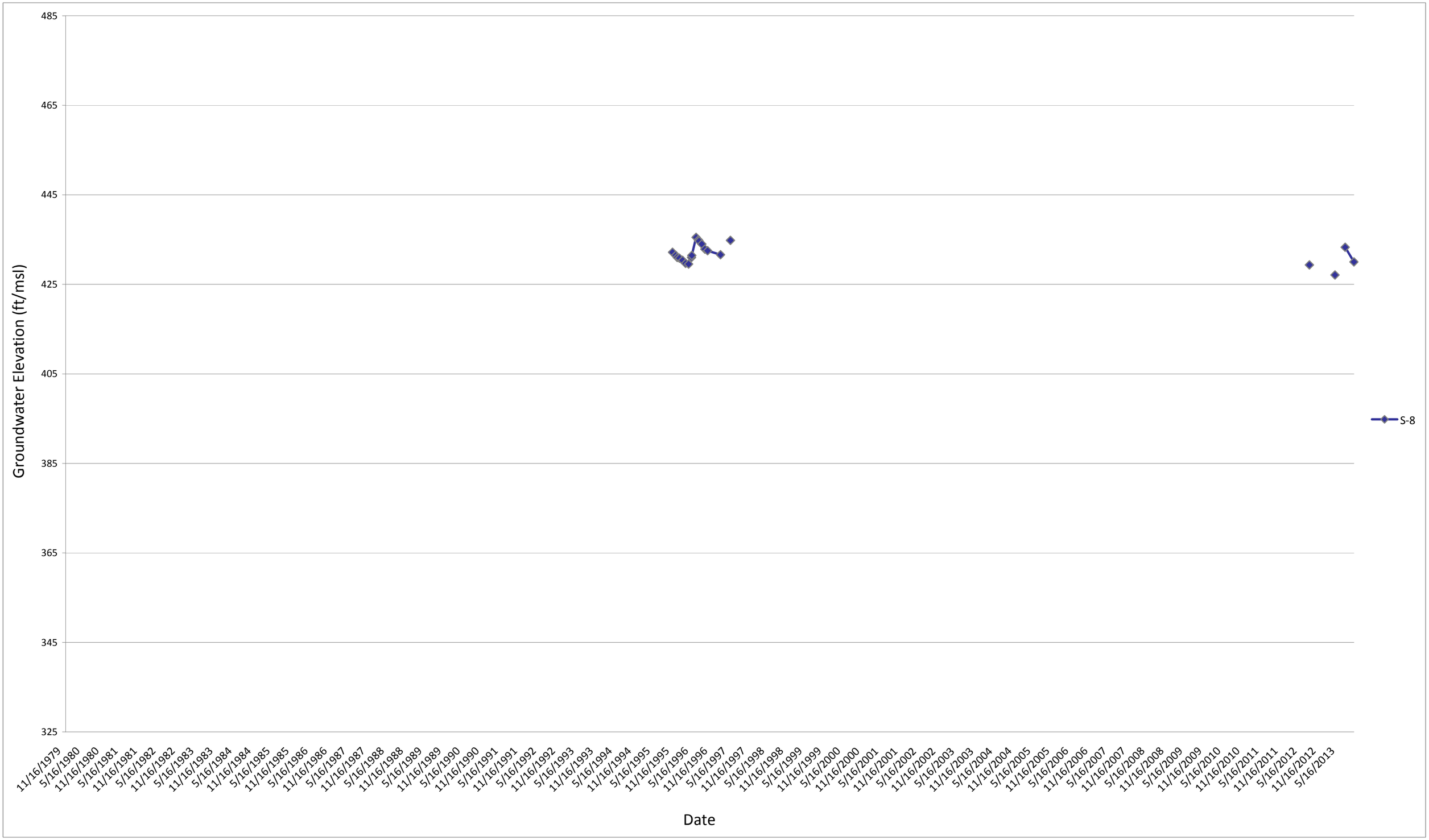
Groundwater Monitoring Well - S-5
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-3



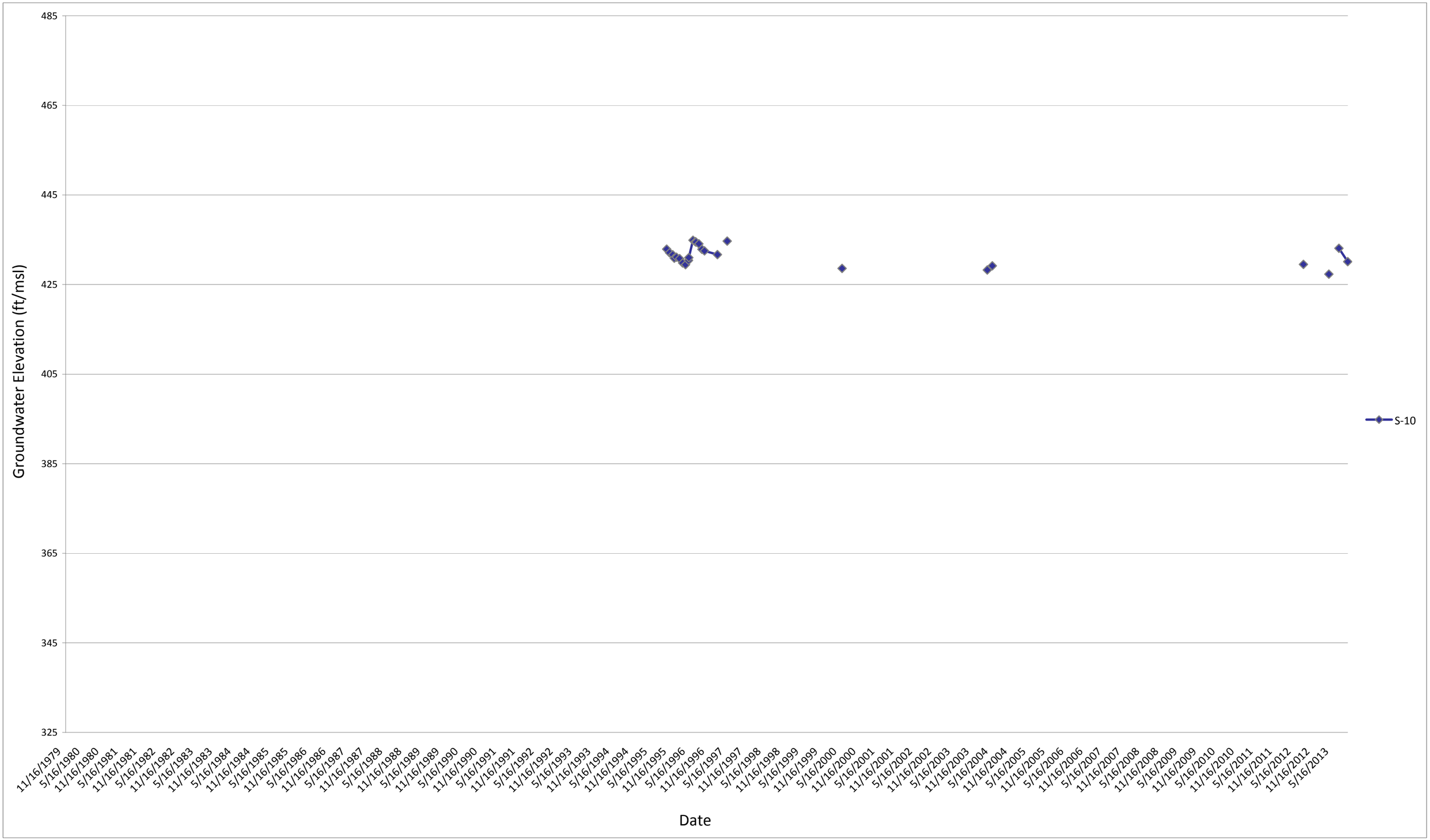
Groundwater Monitoring Well - S-8
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-4



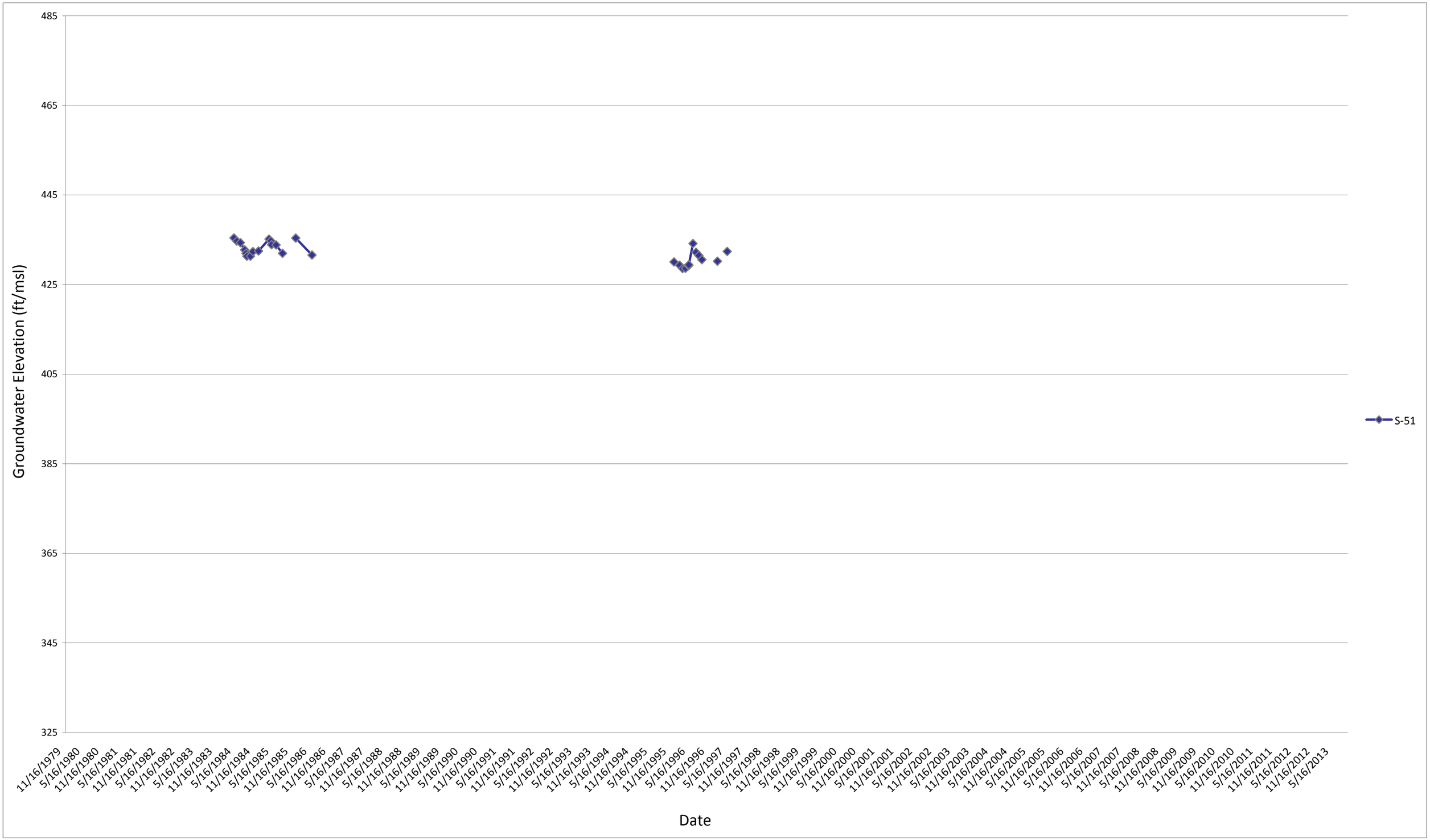
Groundwater Monitoring Well - S-10
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-5



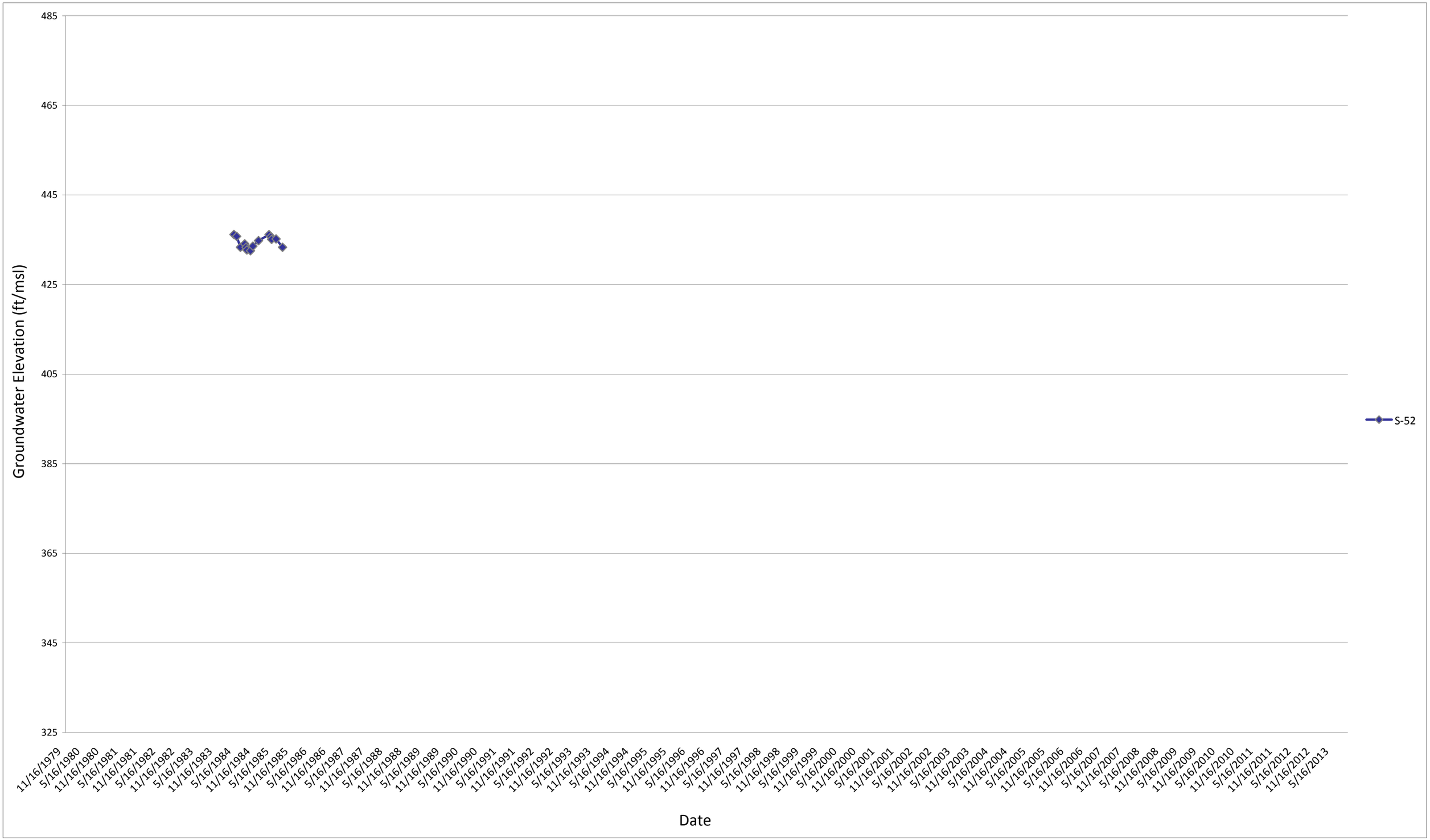
Groundwater Monitoring Well - S-51
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-6



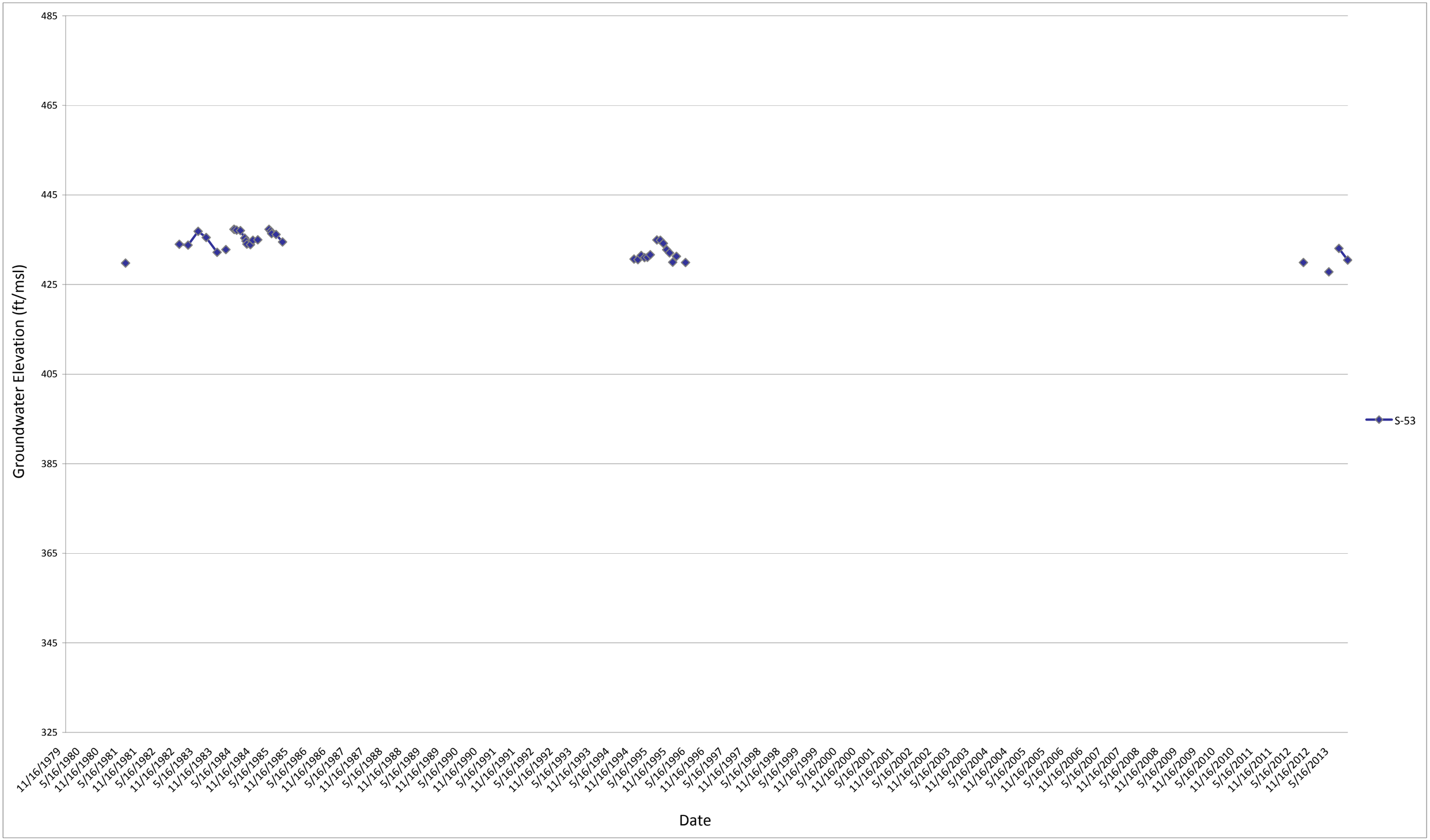
Groundwater Monitoring Well - S-52
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-7



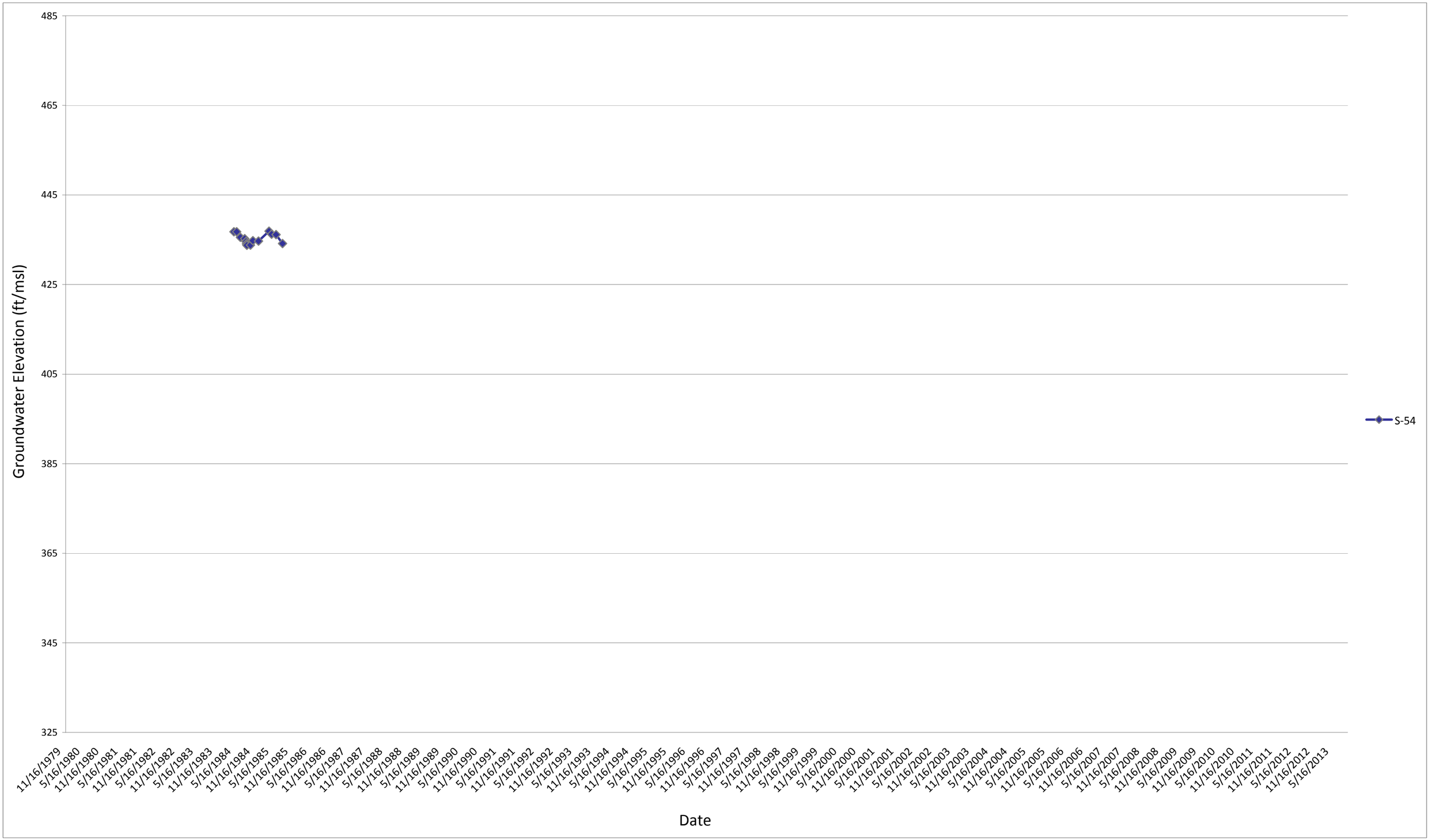
Groundwater Monitoring Well - S-53
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-8



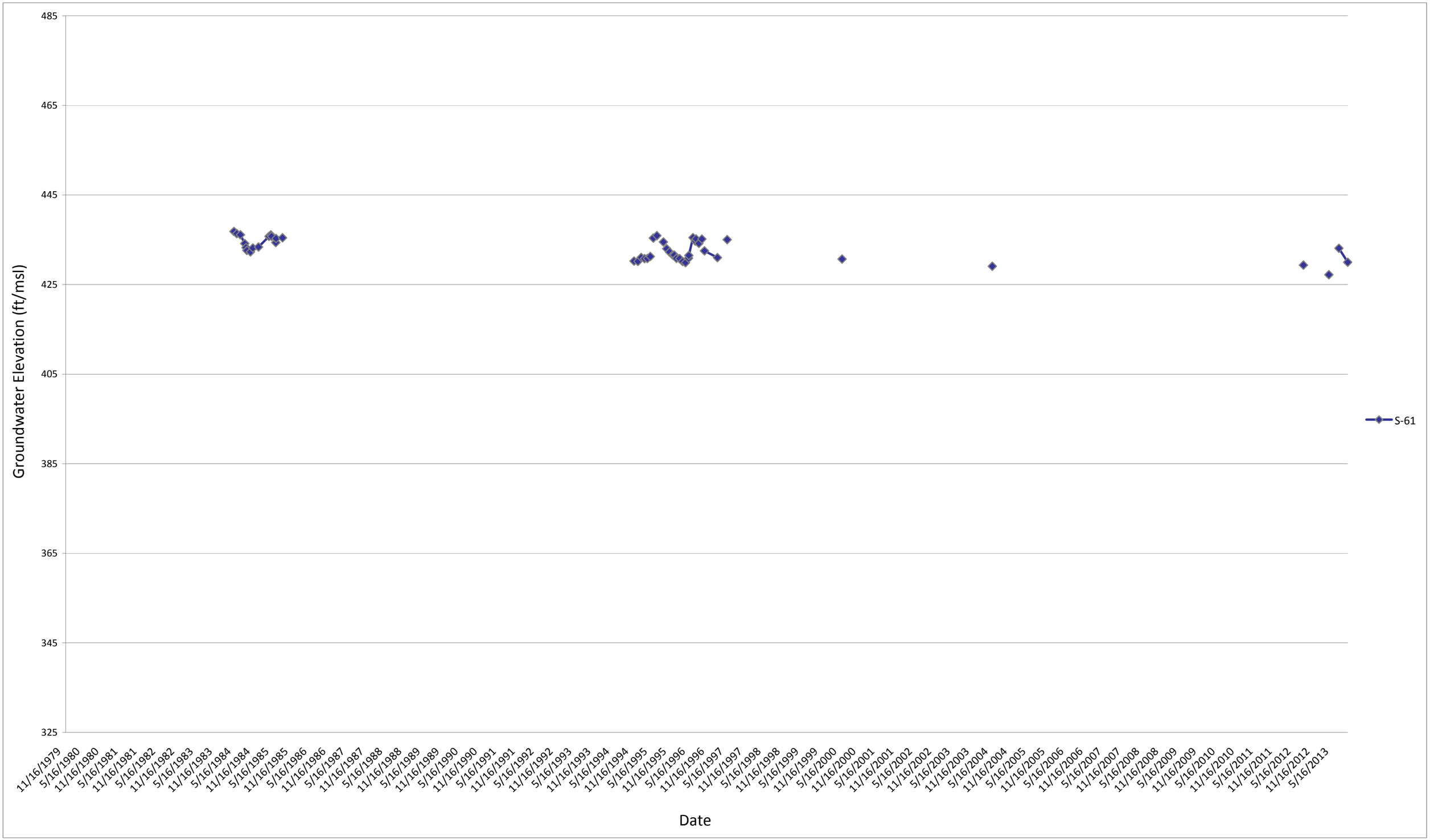
Groundwater Monitoring Well - S-54
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-9



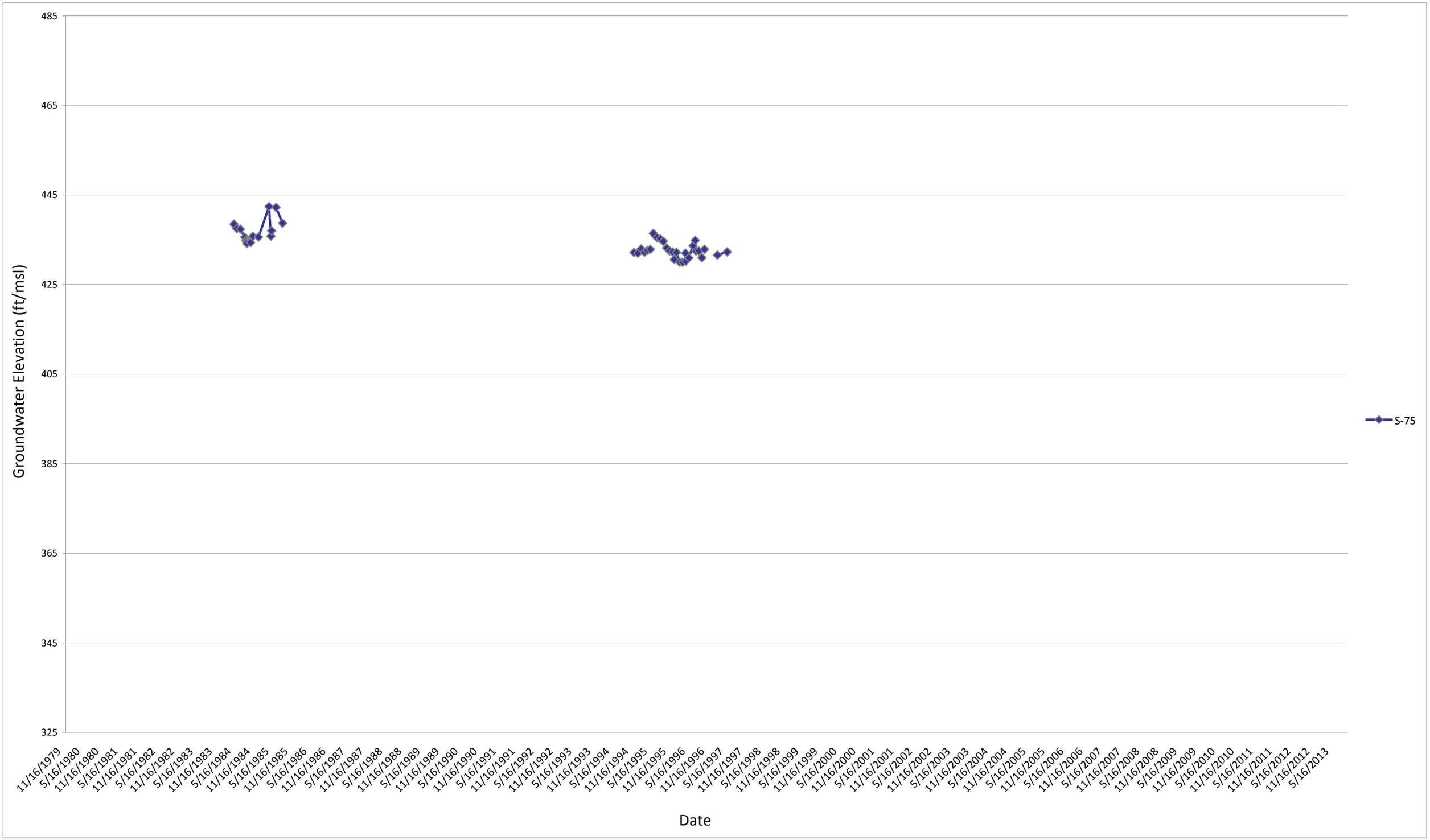
Groundwater Monitoring Well - S-61
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-10



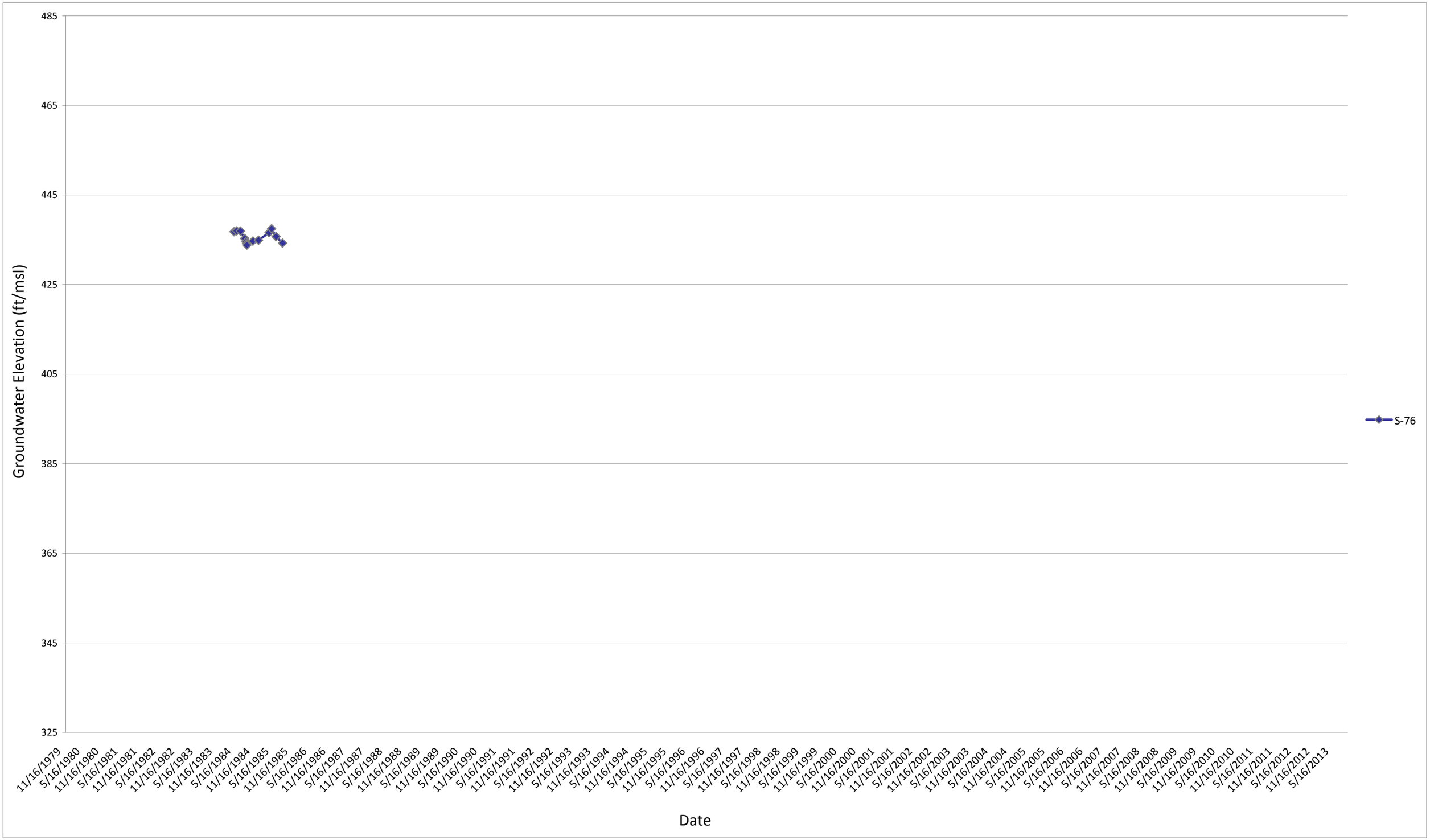
Groundwater Monitoring Well - S-75
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-11



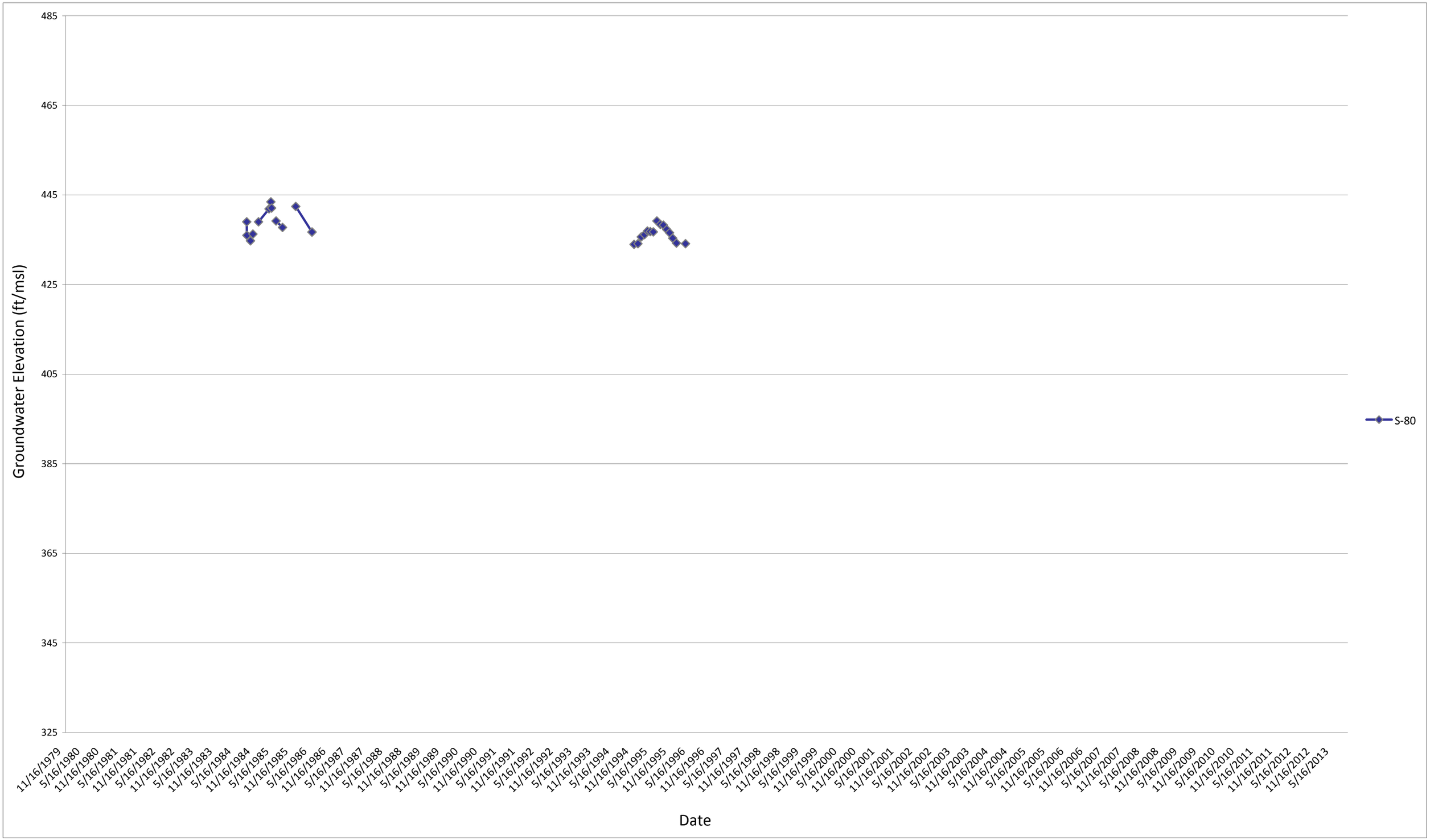
Groundwater Monitoring Well - S-76
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-12



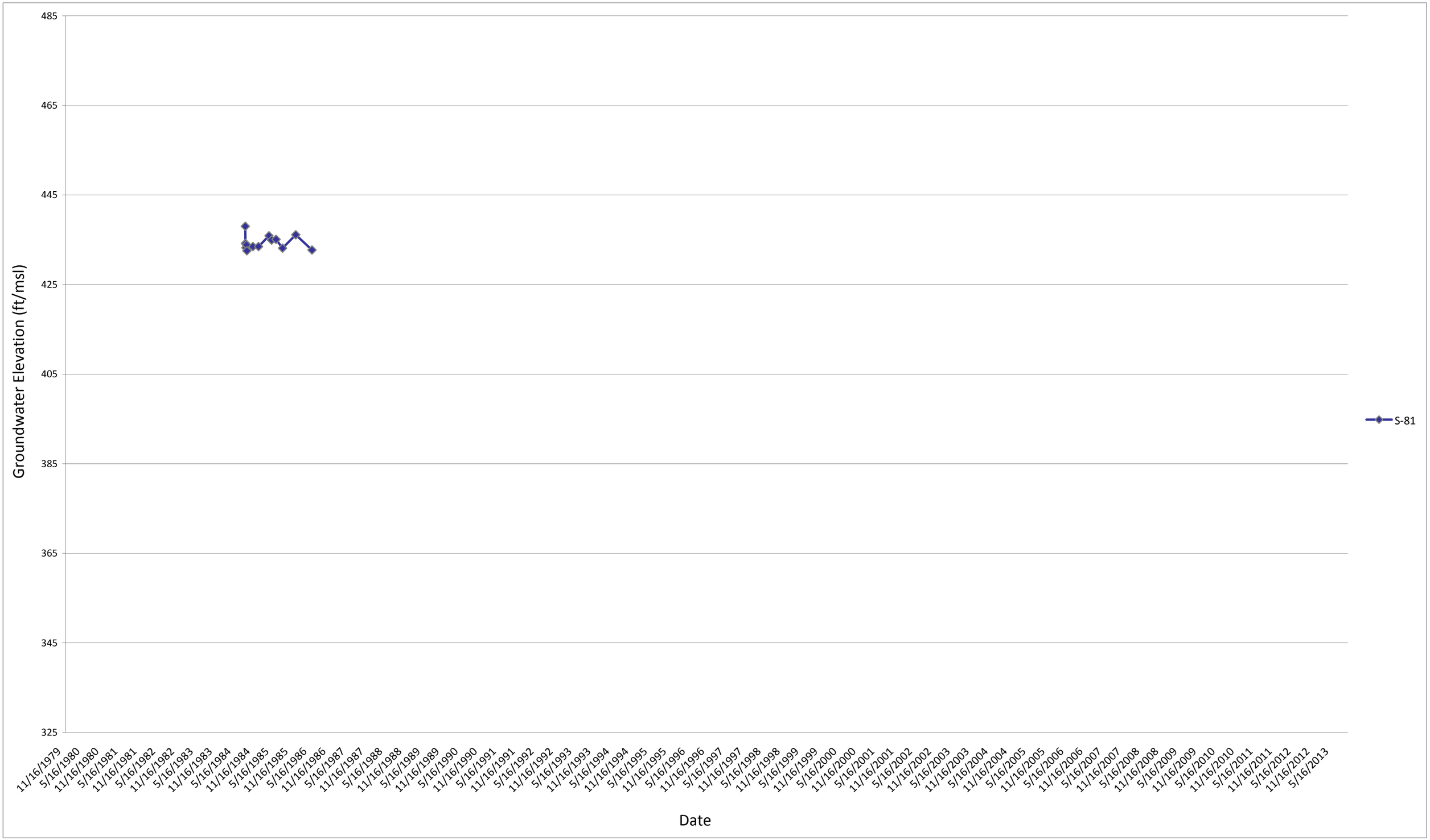
Groundwater Monitoring Well - S-80
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-13



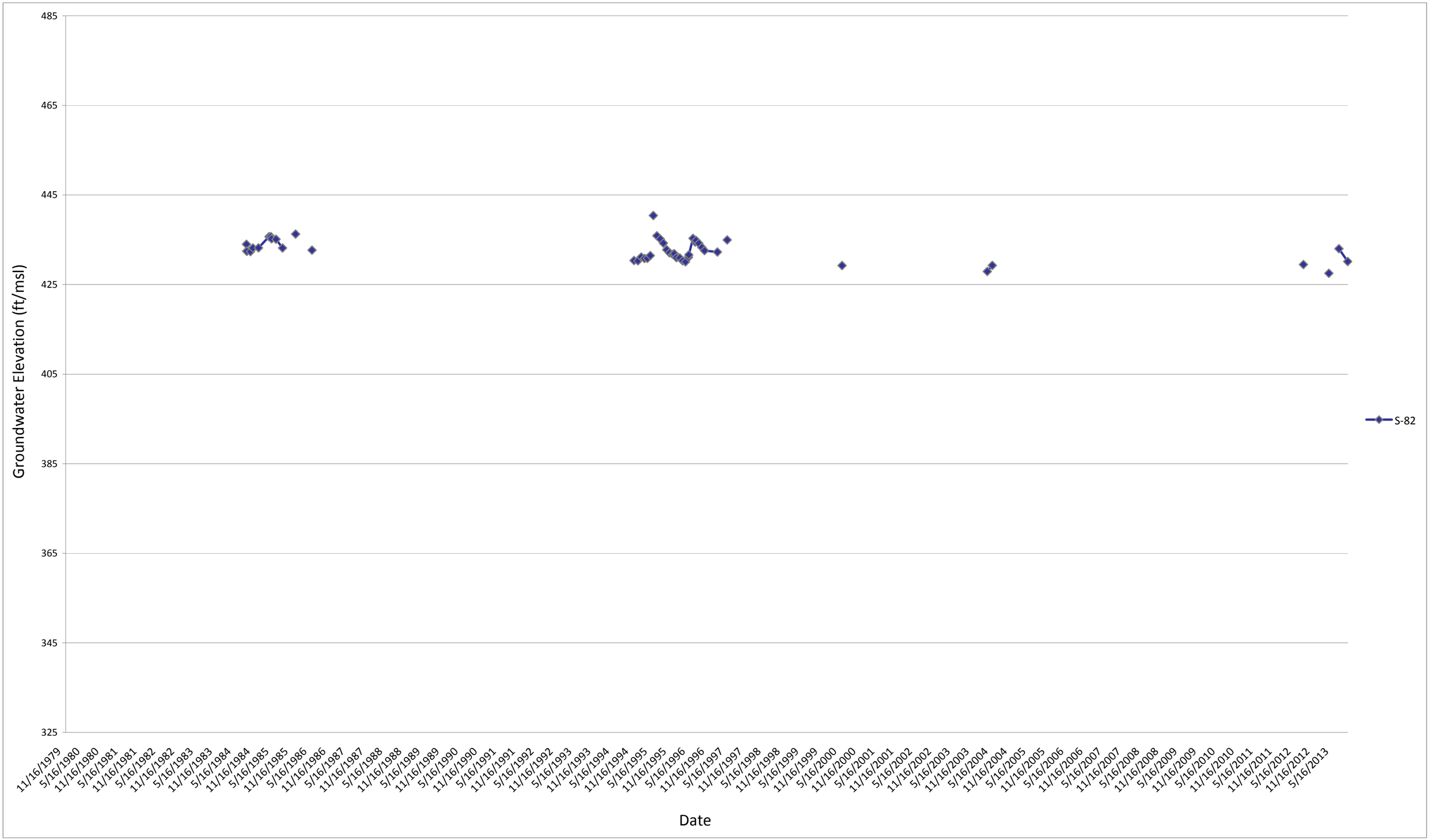
Groundwater Monitoring Well - S-81
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-14



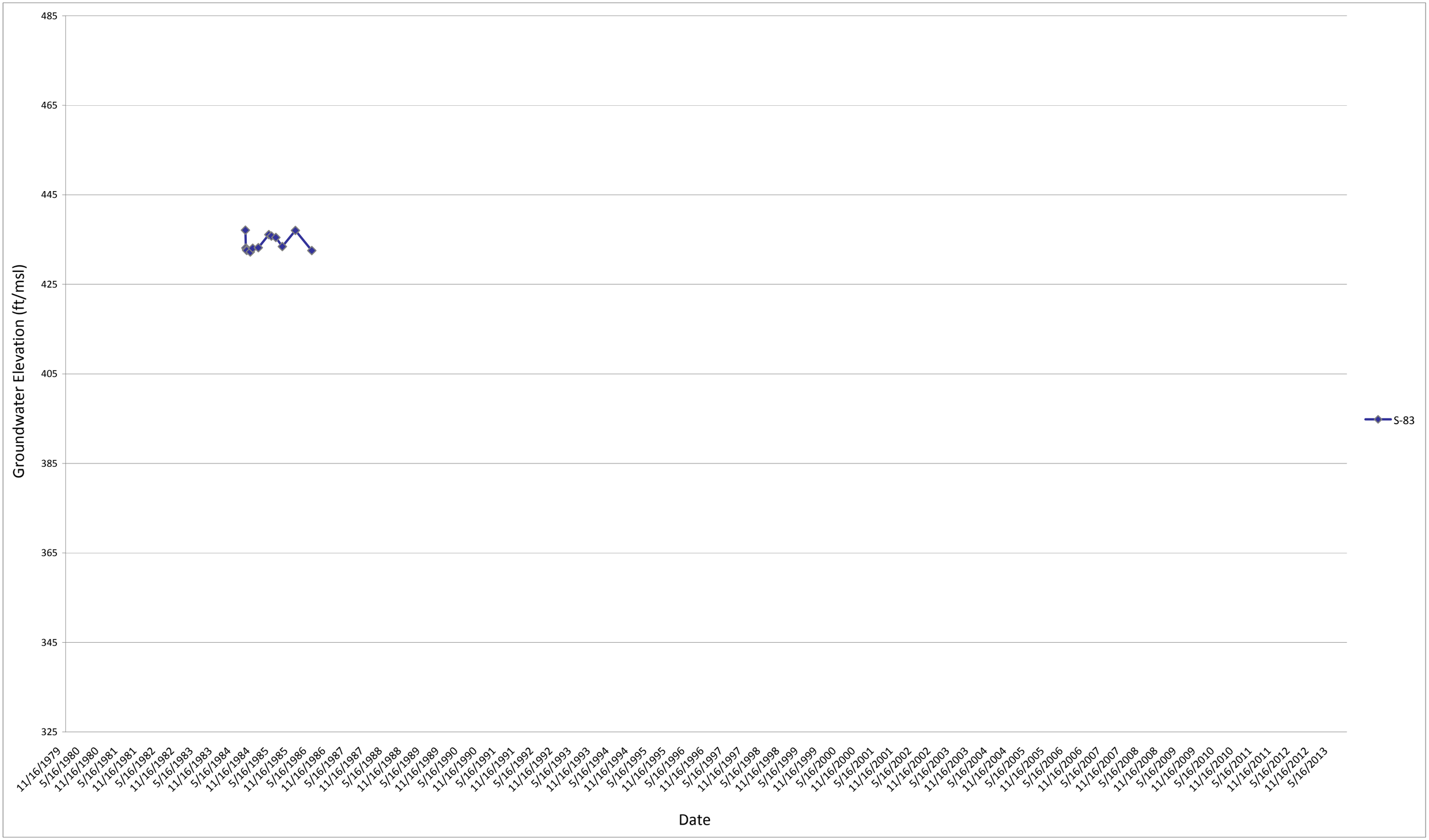
Groundwater Monitoring Well - S-82
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-15



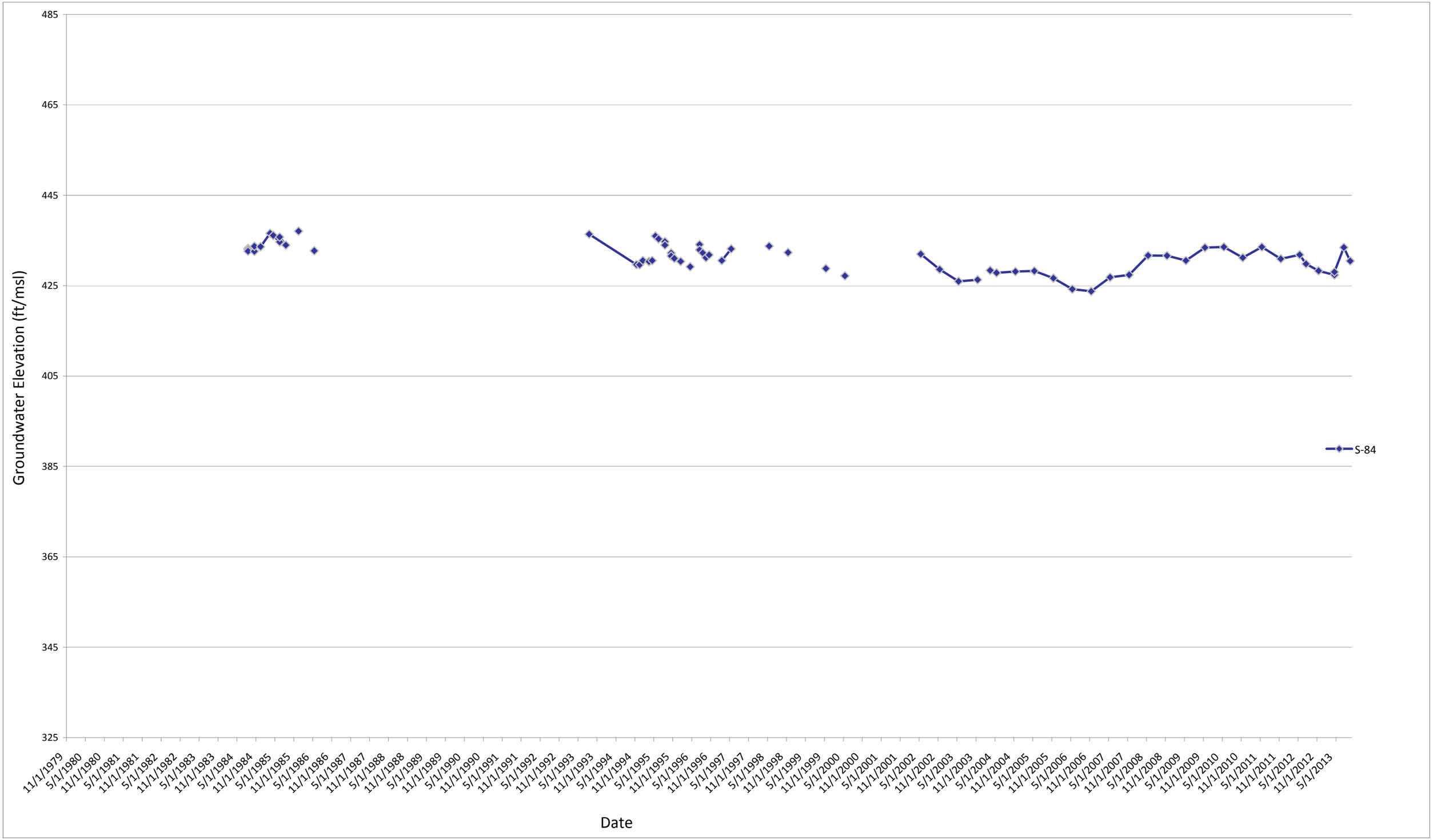
Groundwater Monitoring Well - S-83
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-16



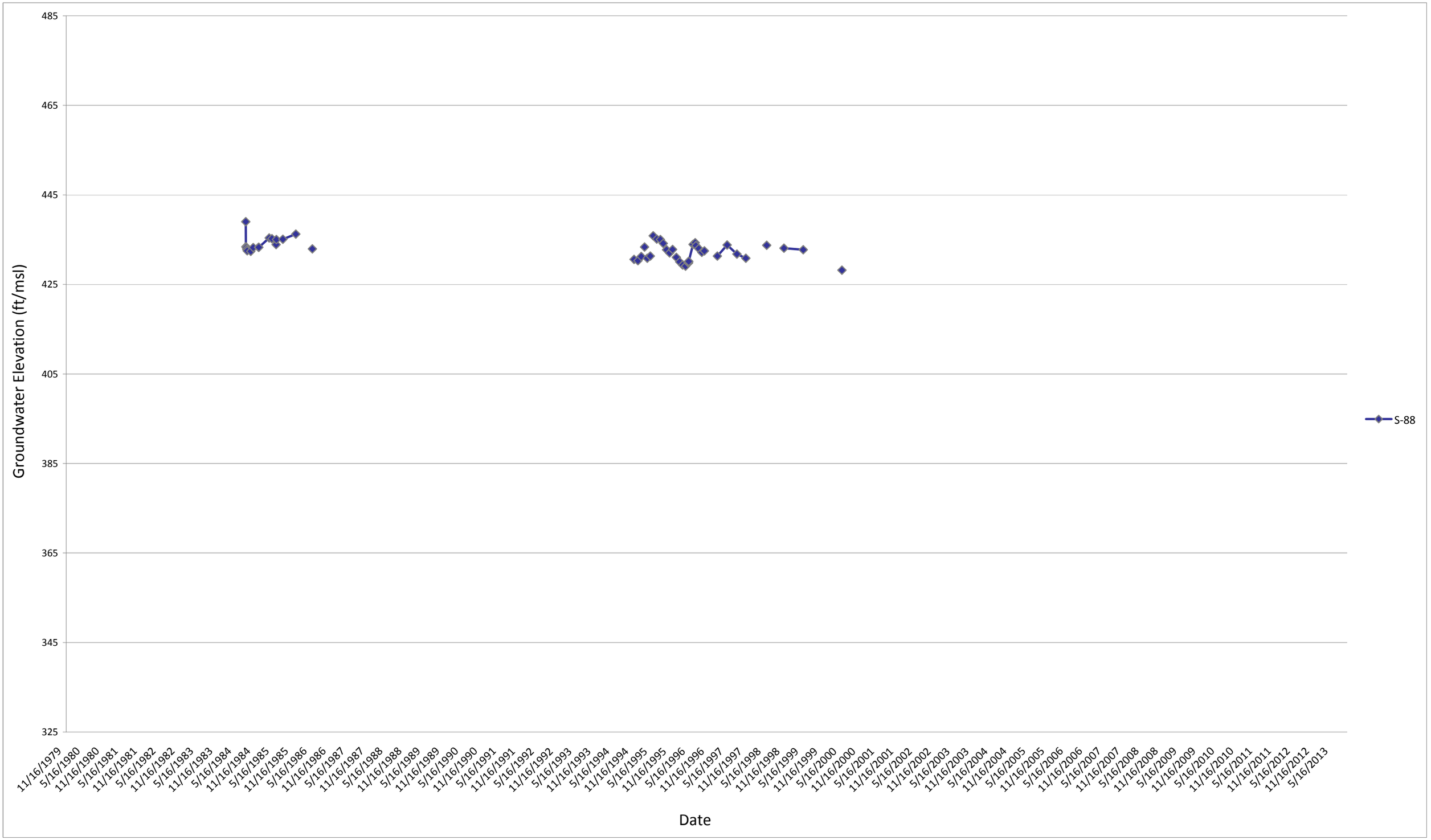
Groundwater Monitoring Well - S-84
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-17



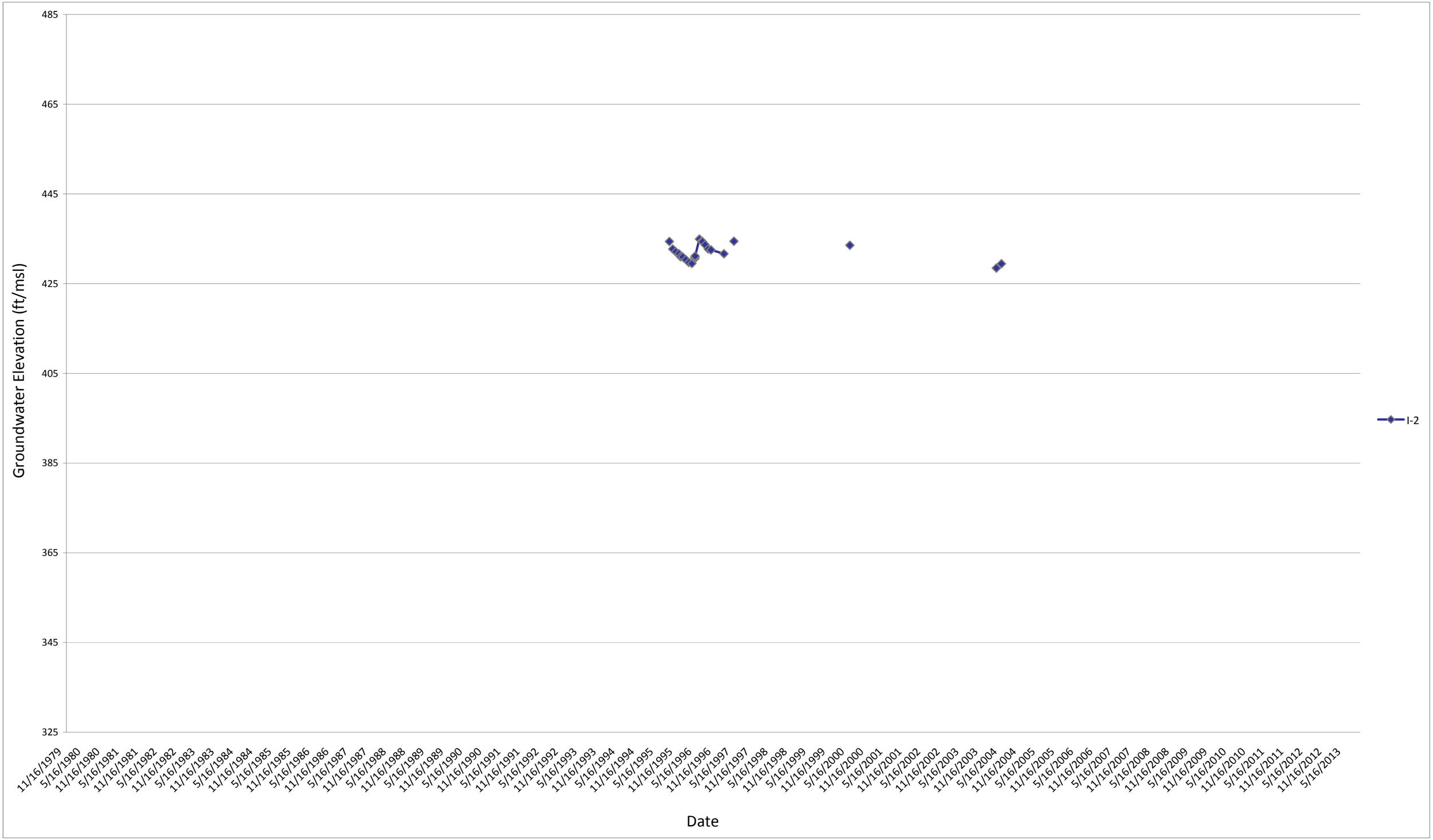
Groundwater Monitoring Well - S-88
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-18



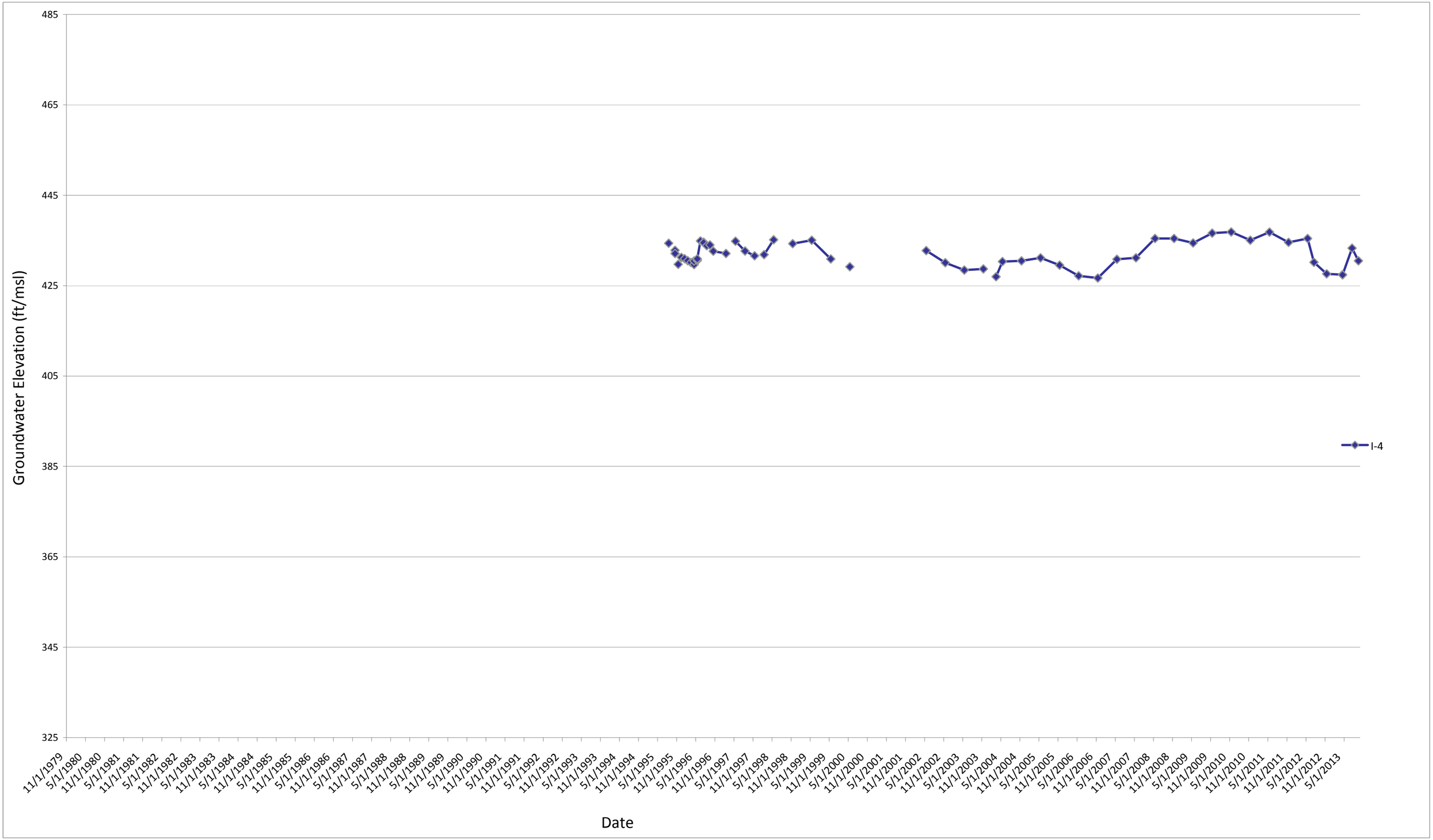
Groundwater Monitoring Well - I-2
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-19



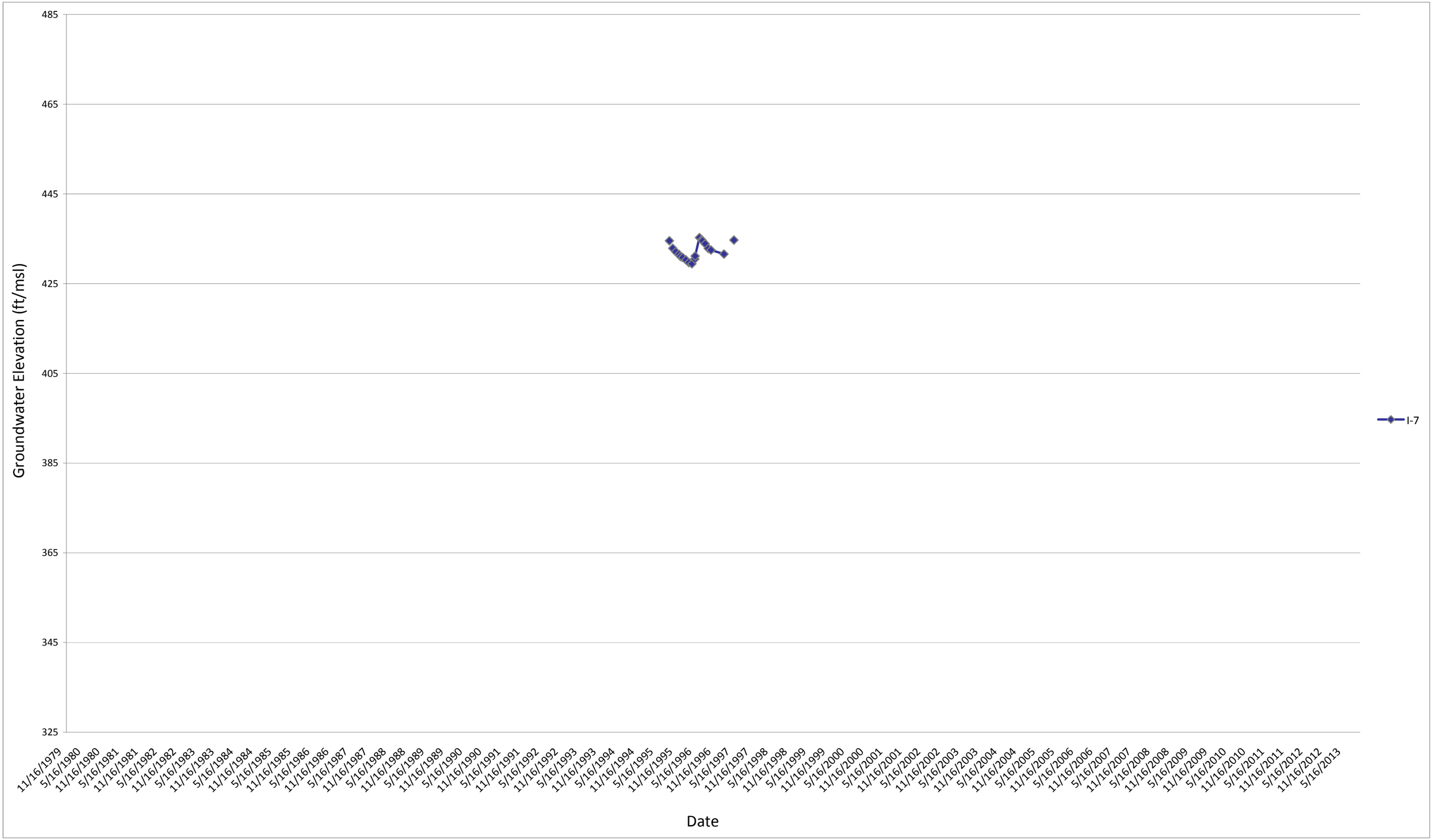
Groundwater Monitoring Well - I-4
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-20



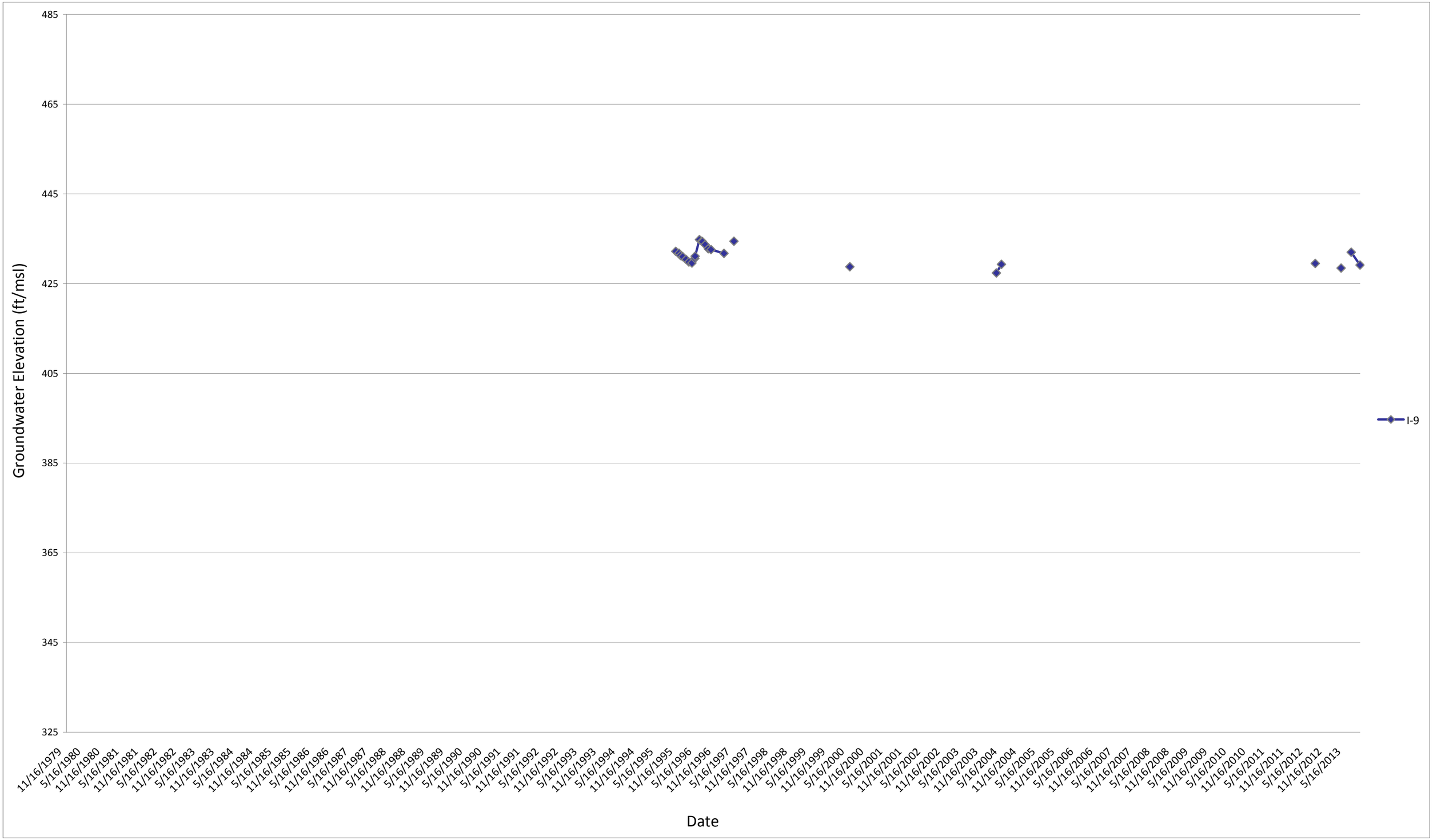
Groundwater Monitoring Well - I-7
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-21



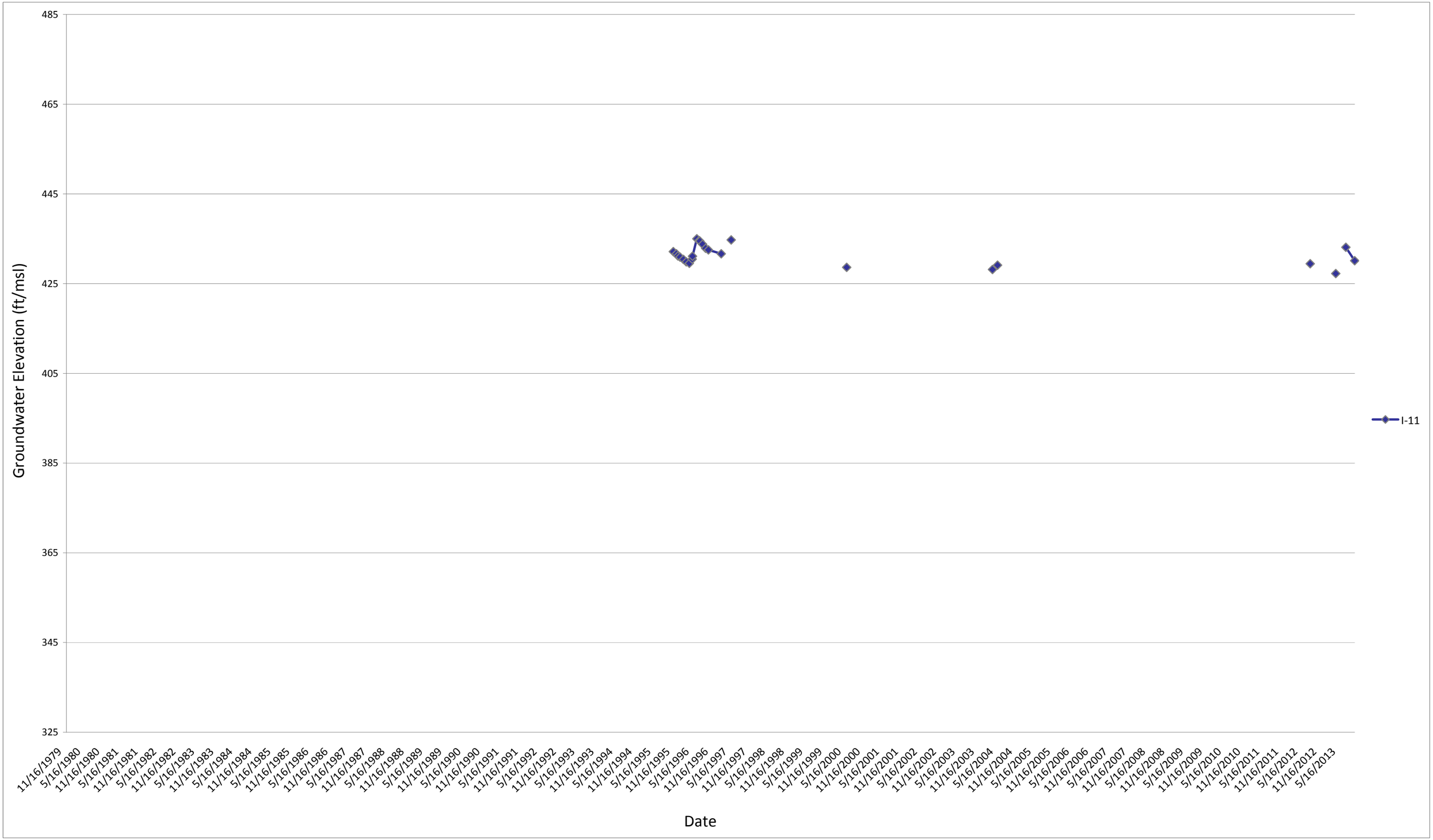
Groundwater Monitoring Well - I-9
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-22



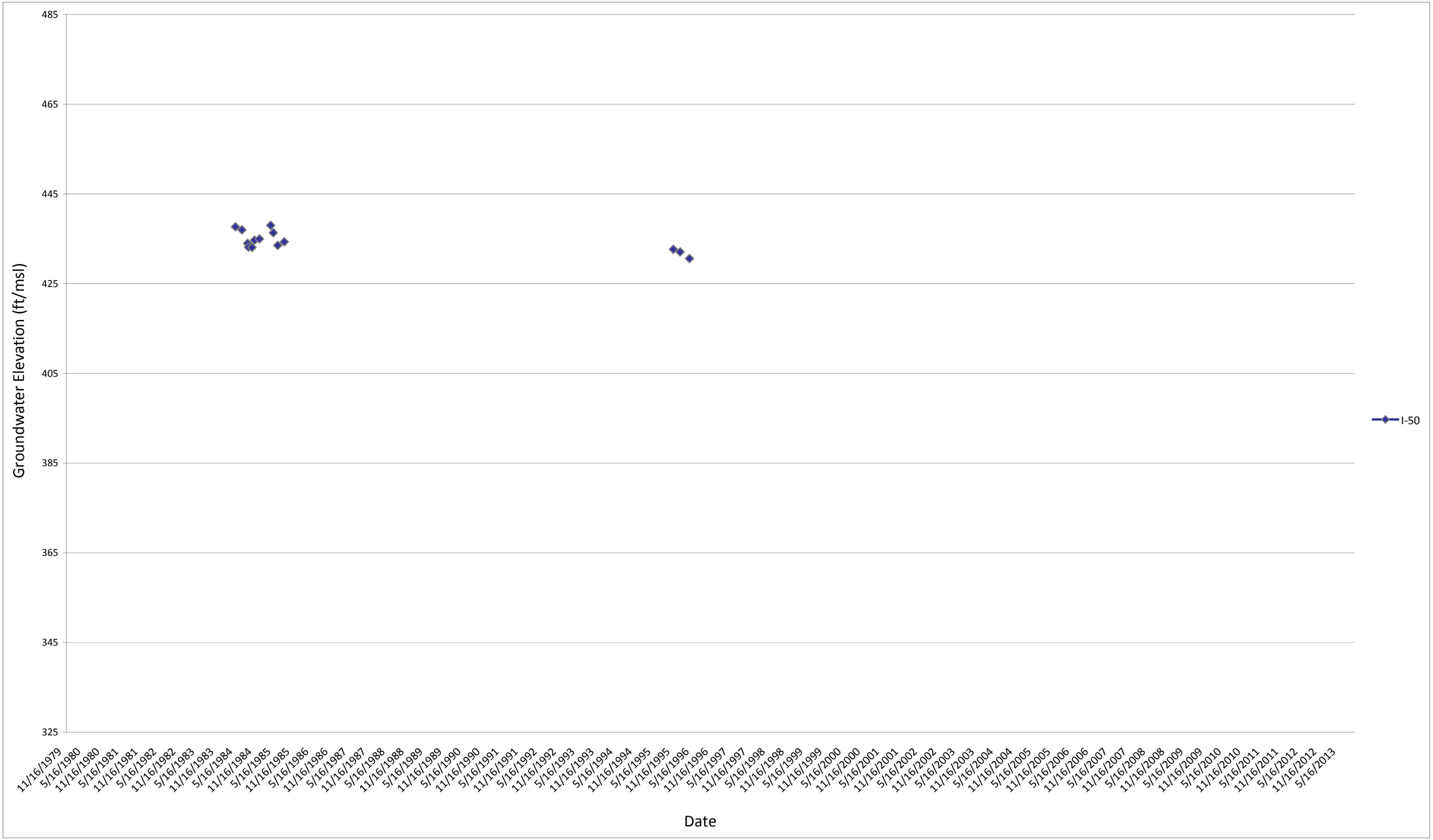
Groundwater Monitoring Well - I-11
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-23



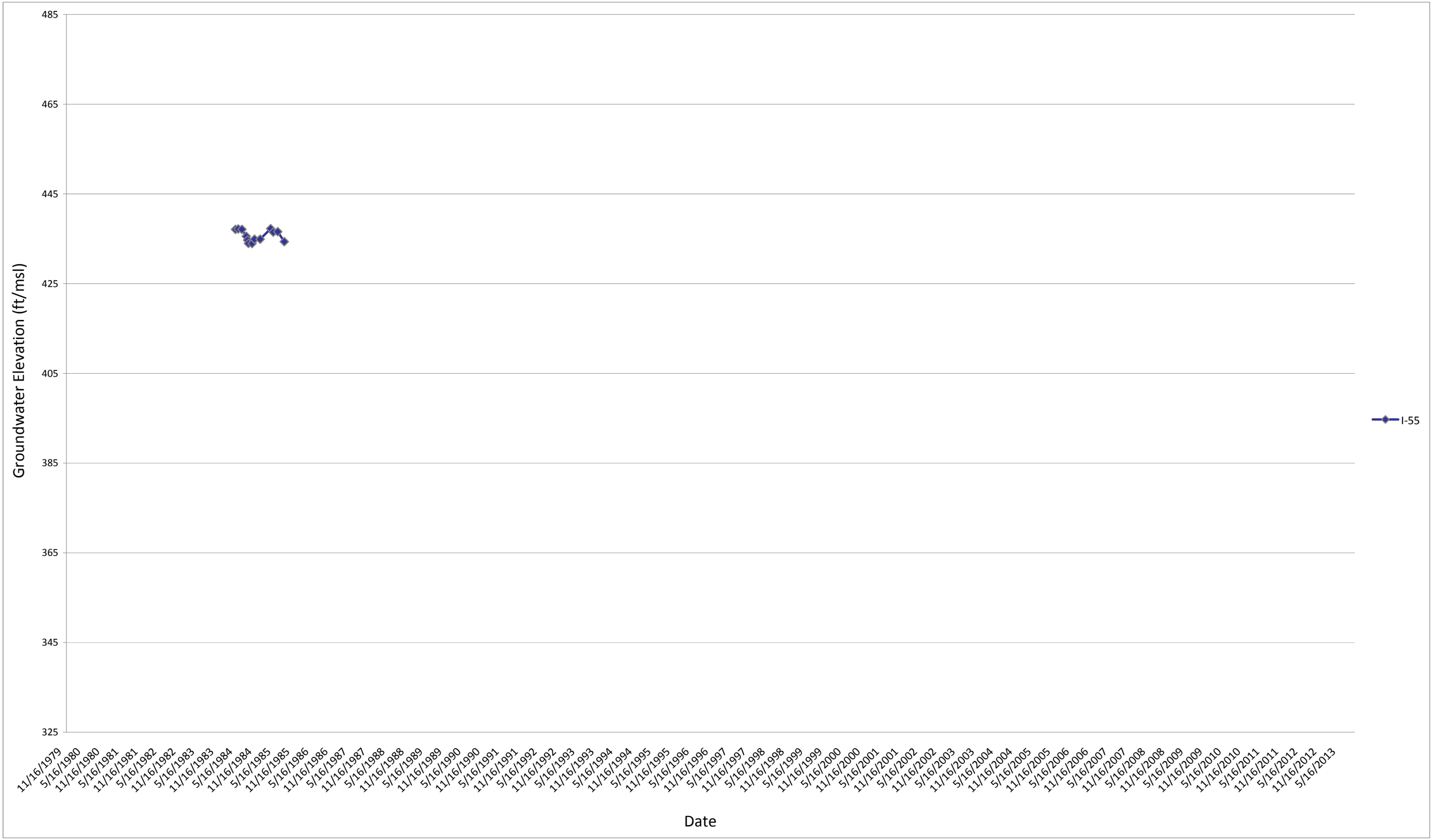
Groundwater Monitoring Well - I-50
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-24



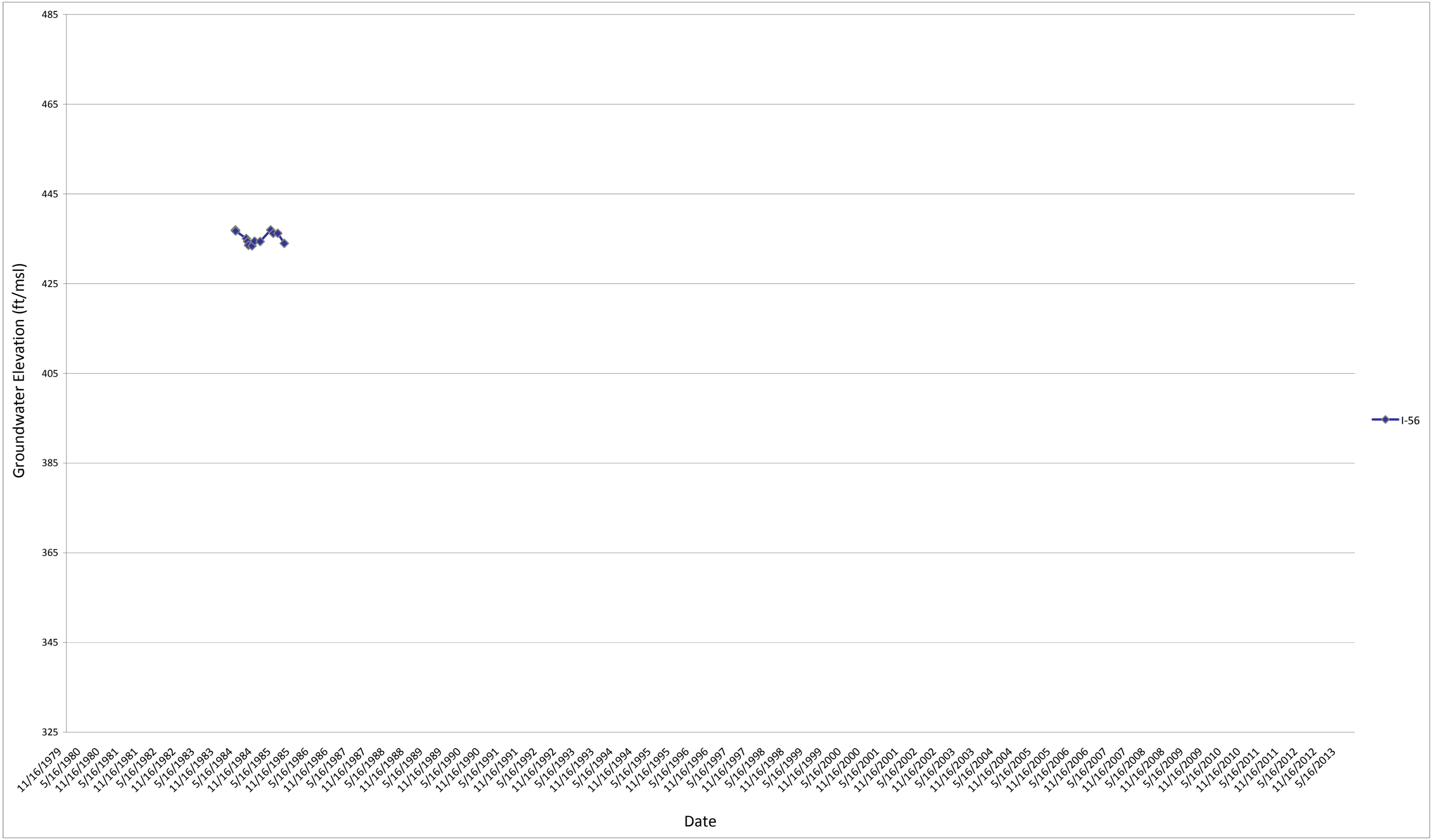
Groundwater Monitoring Well - I-55
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-25



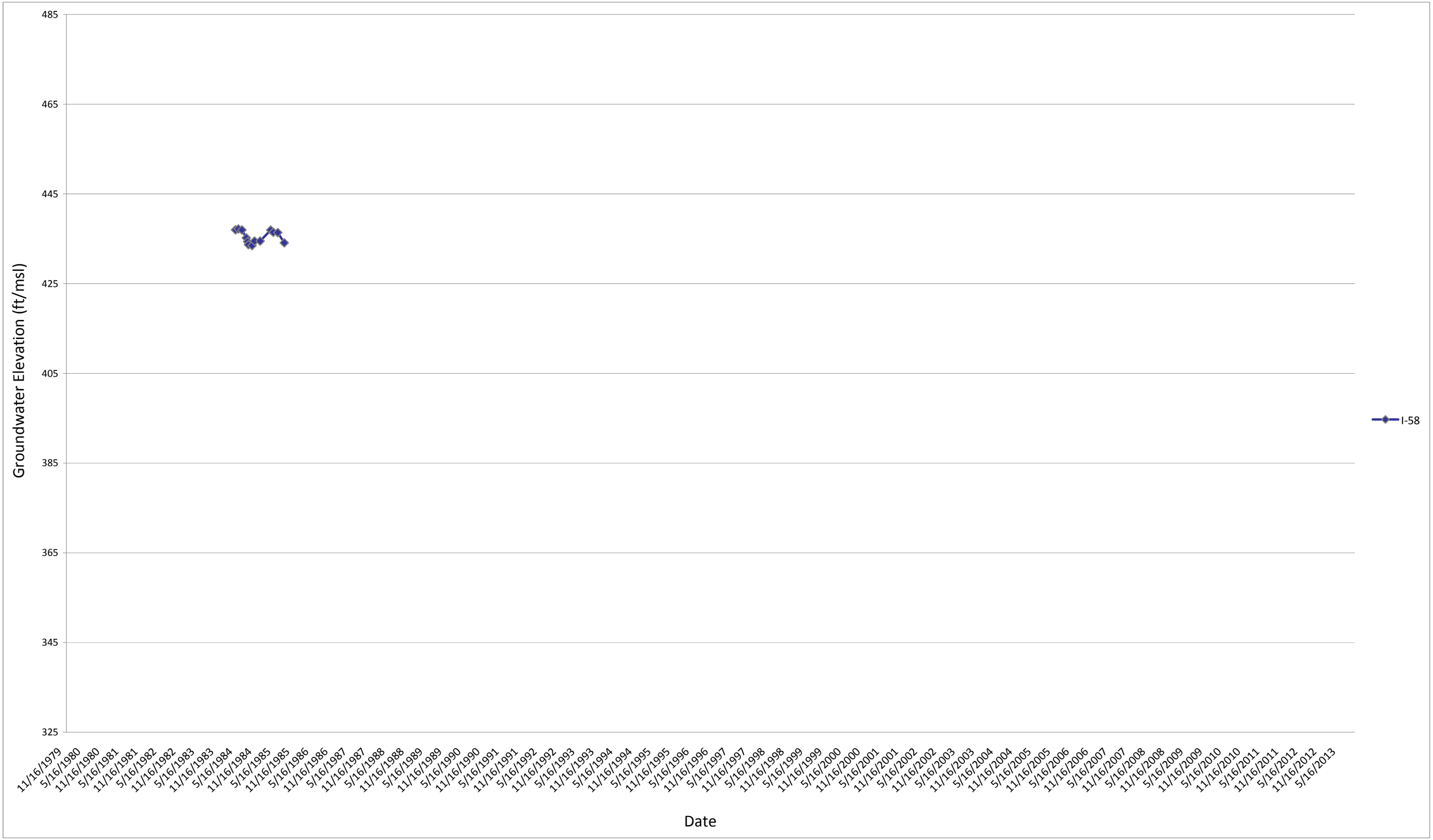
Groundwater Monitoring Well - I-56
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-26



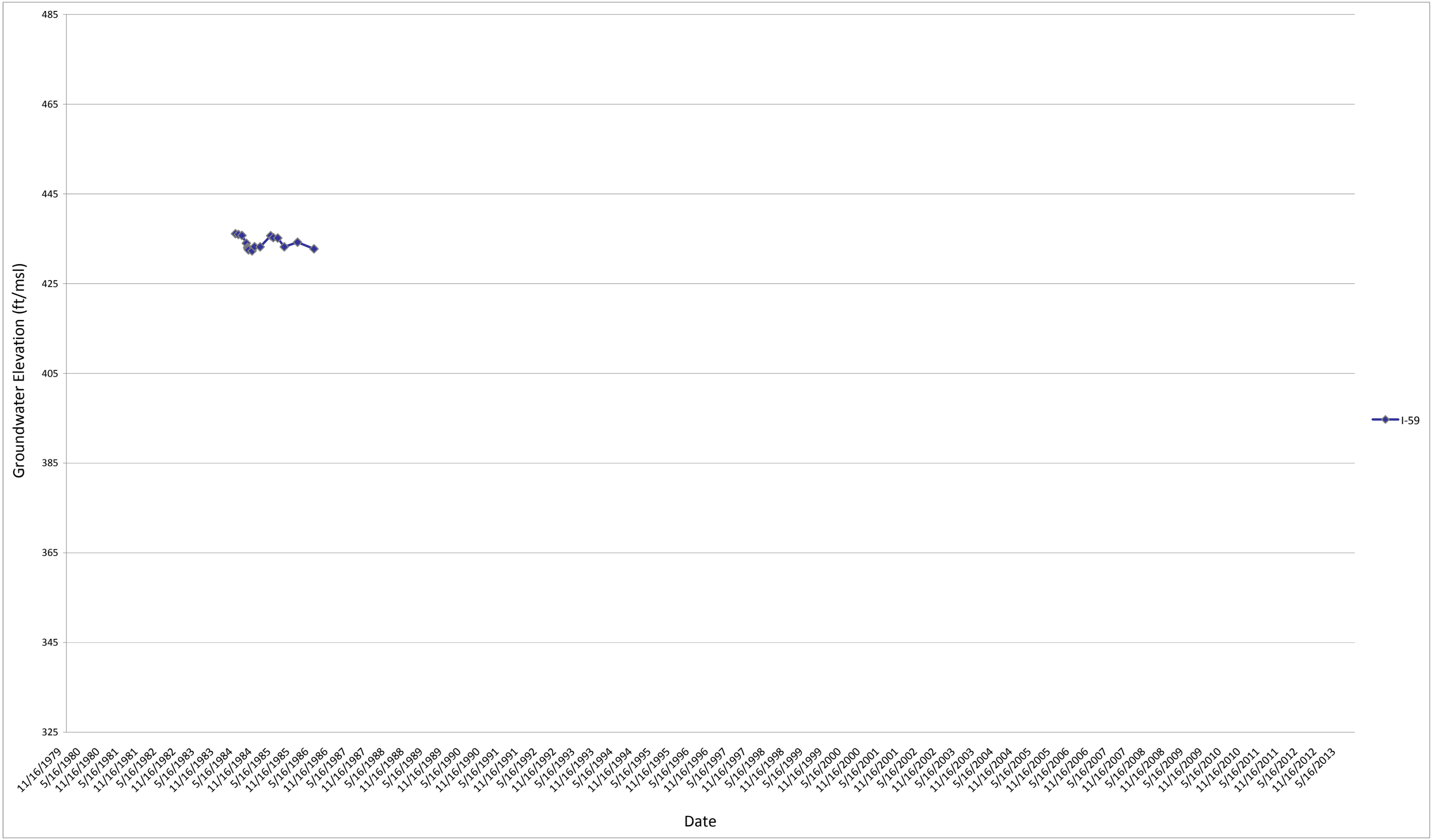
Groundwater Monitoring Well - I-58
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-27



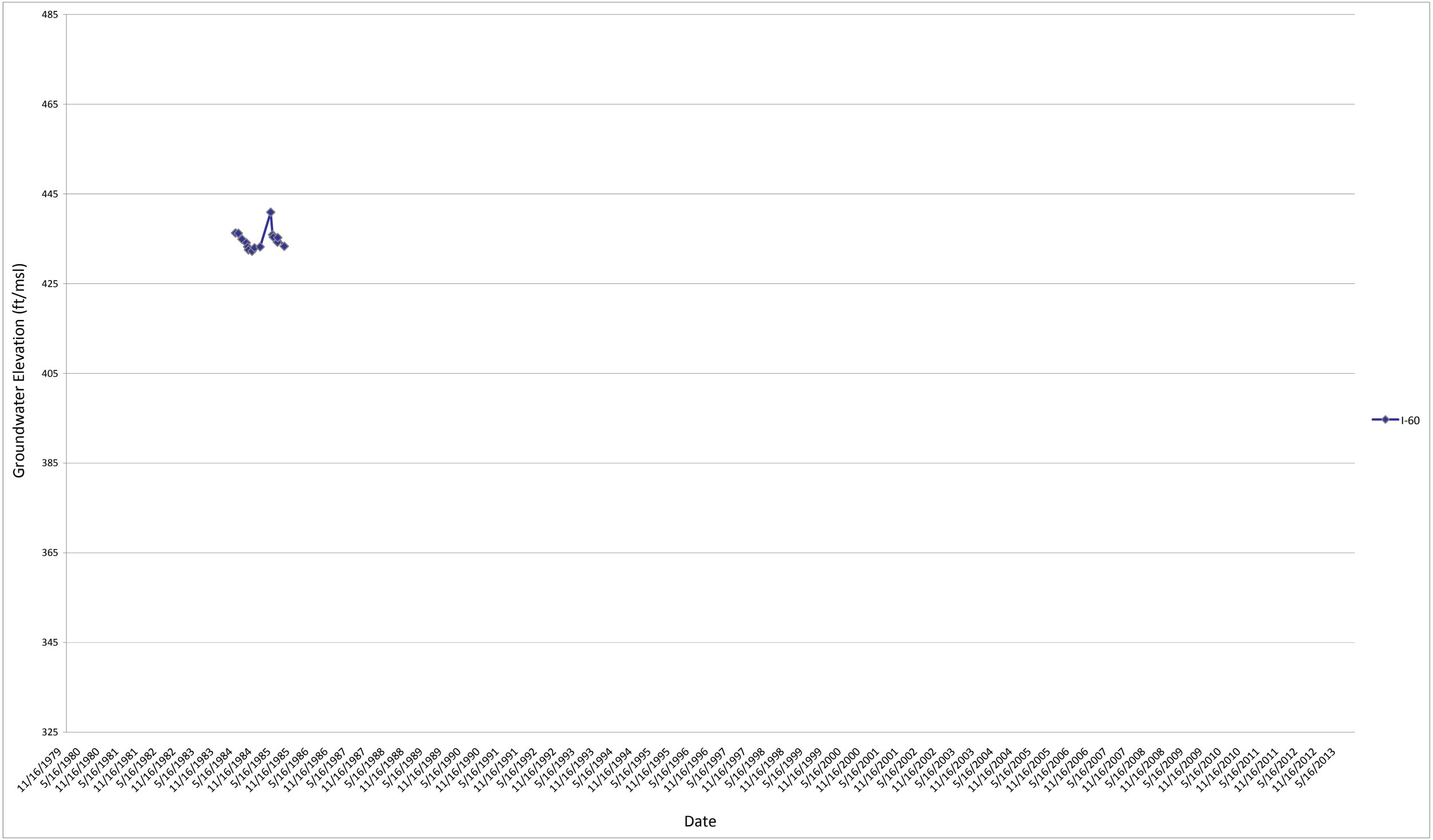
Groundwater Monitoring Well - I-59
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-28



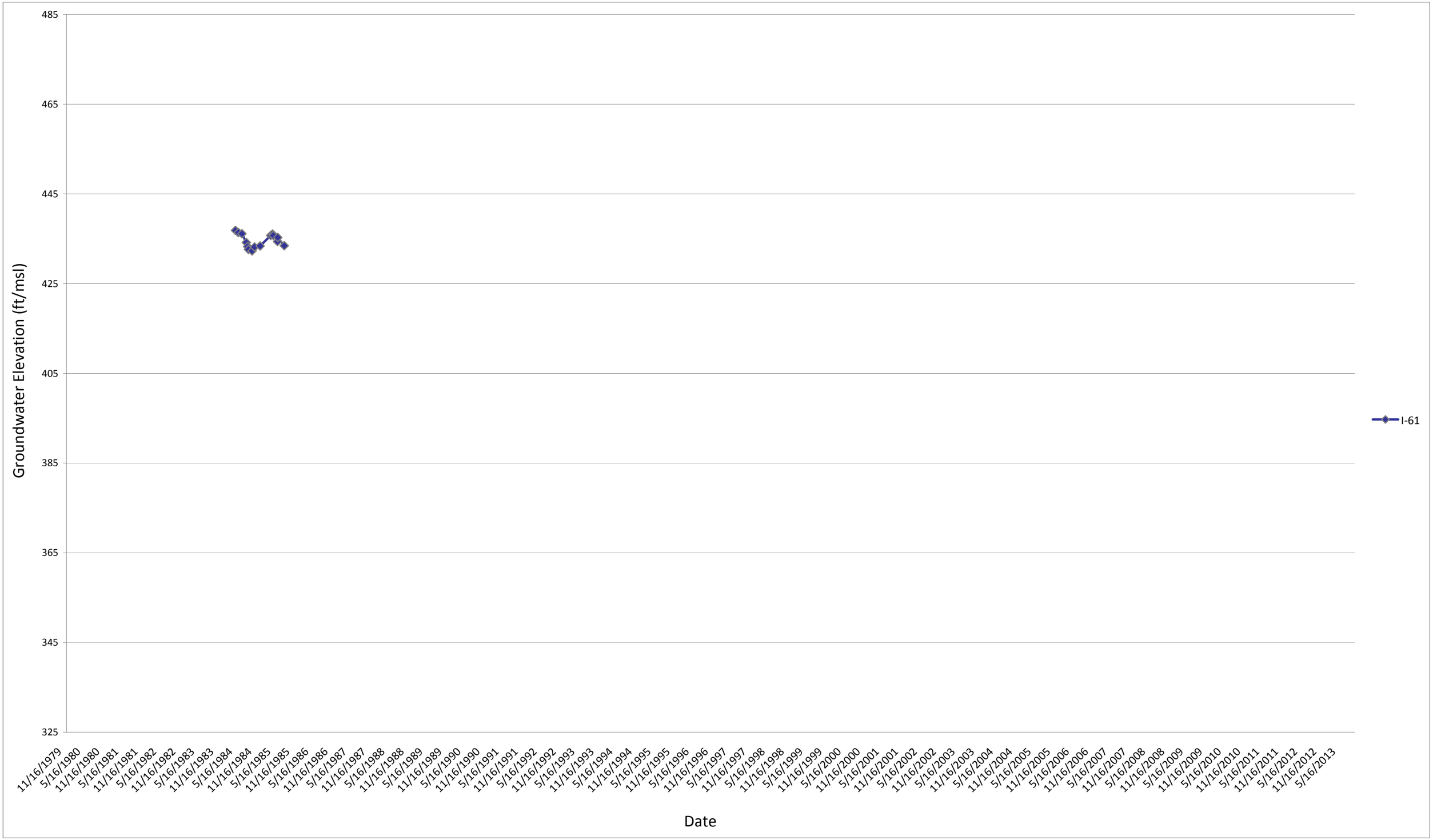
Groundwater Monitoring Well - I-60
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-29



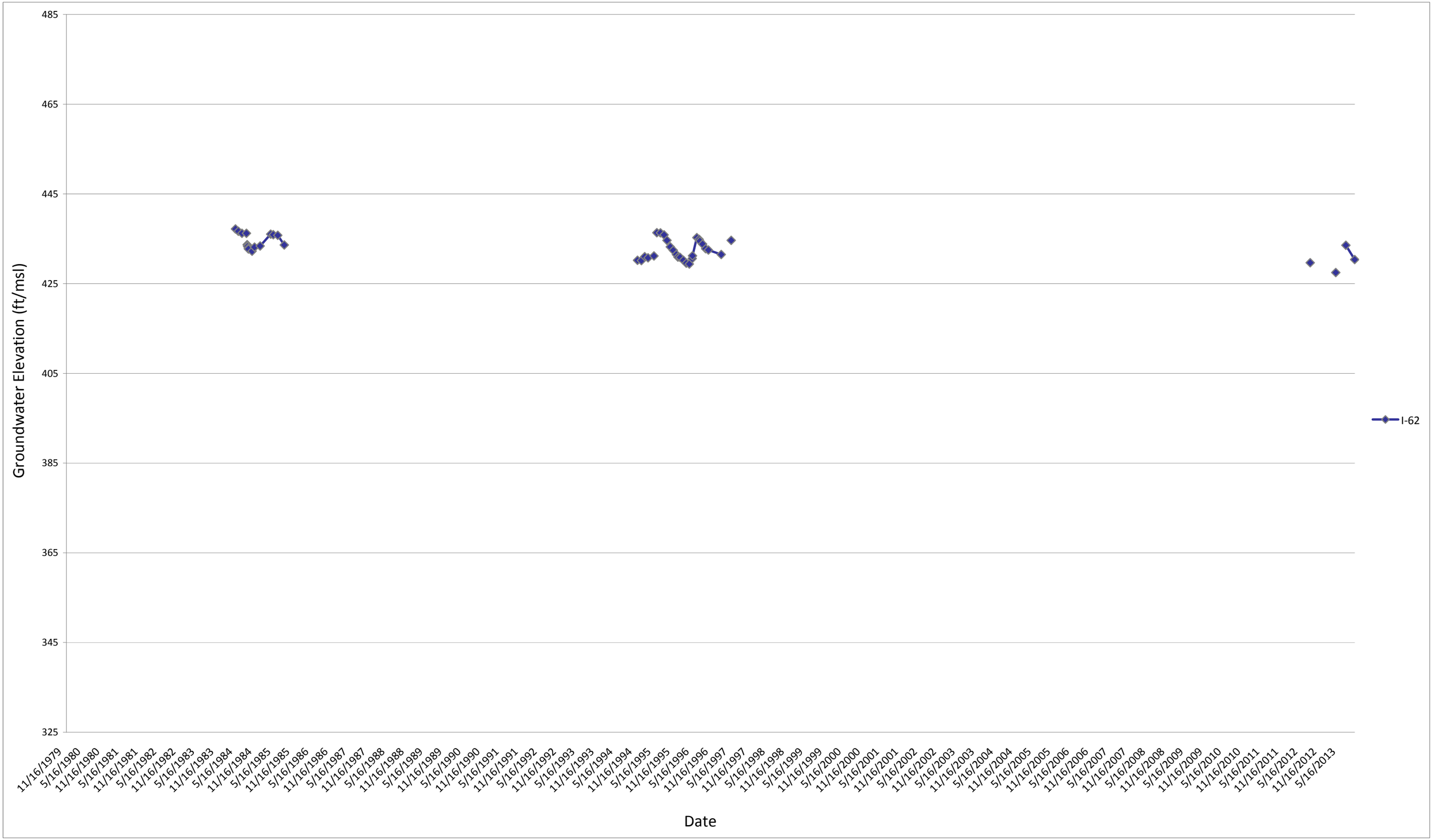
Groundwater Monitoring Well - I-61
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-30



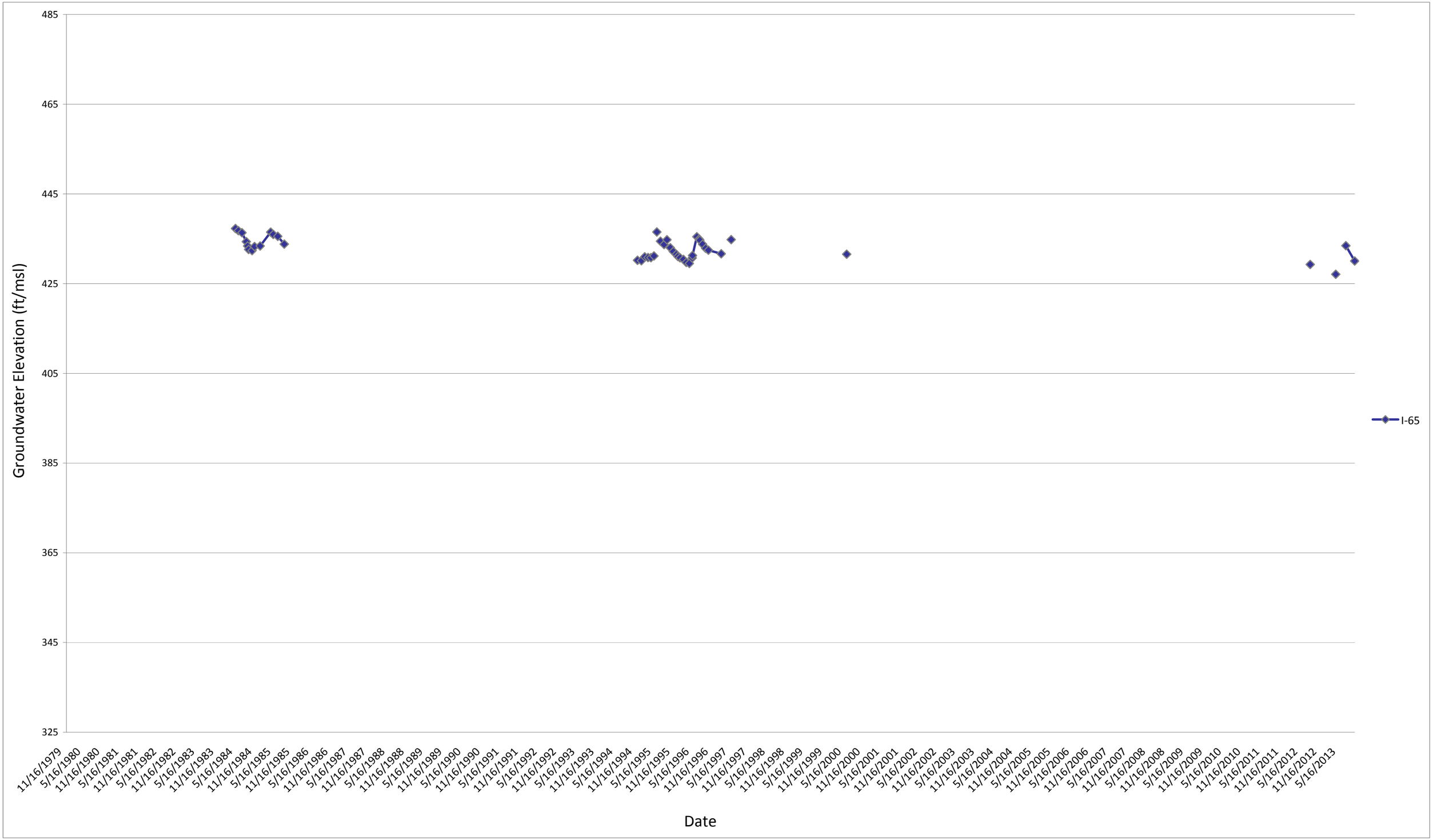
Groundwater Monitoring Well - I-62
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-31



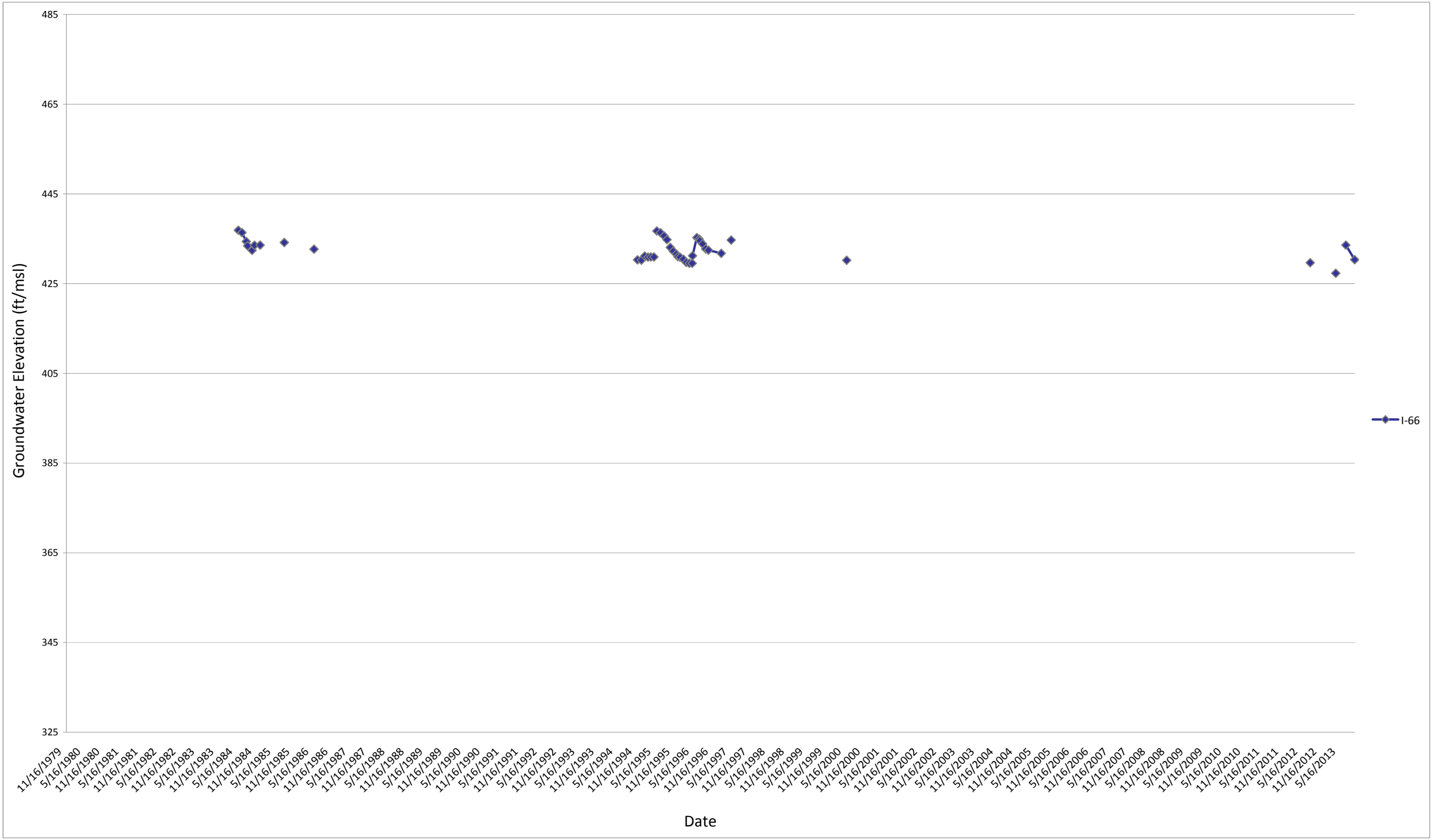
Groundwater Monitoring Well - I-65
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-32



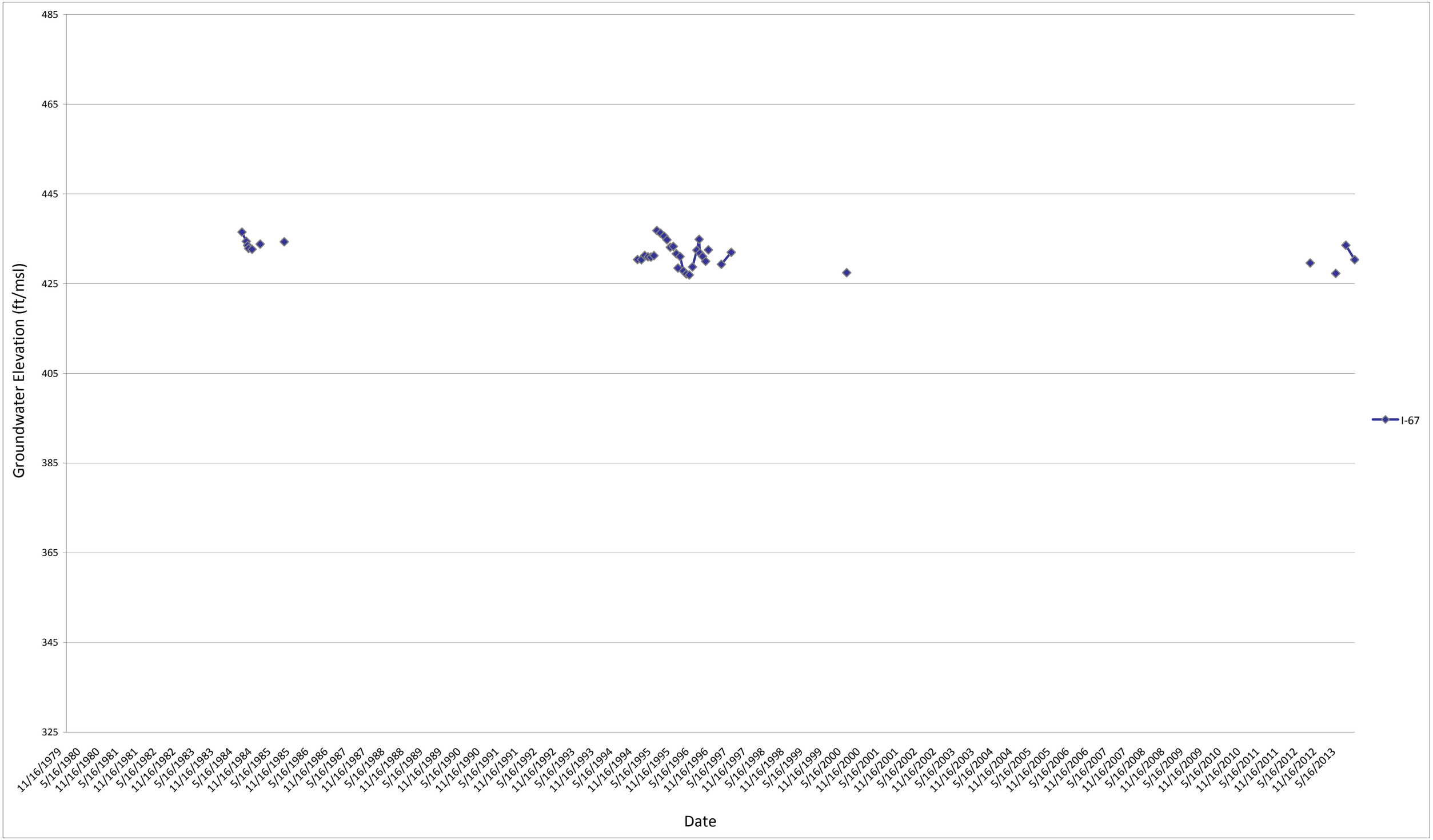
Groundwater Monitoring Well - I-66
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-33



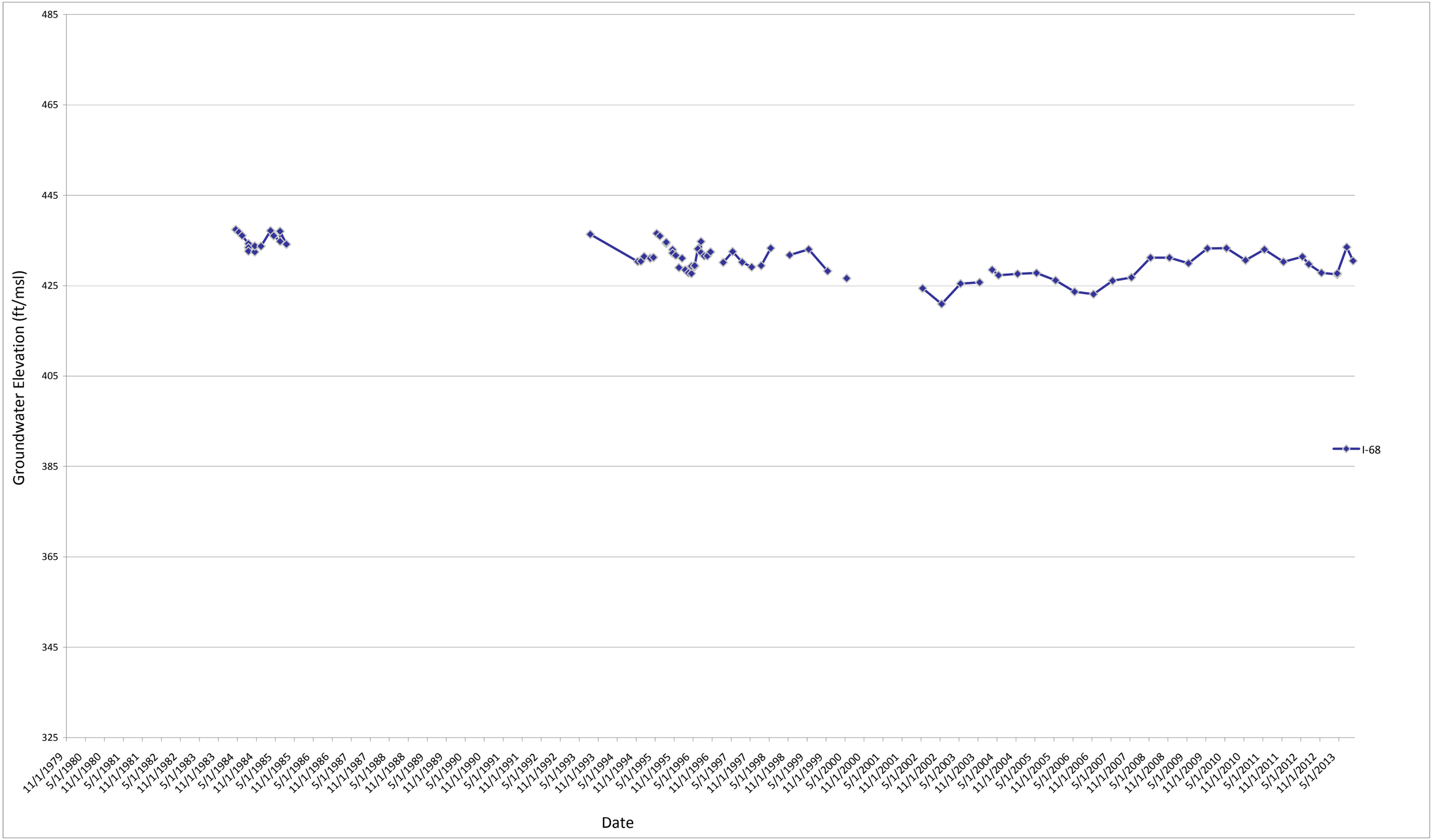
Groundwater Monitoring Well - I-67
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-34



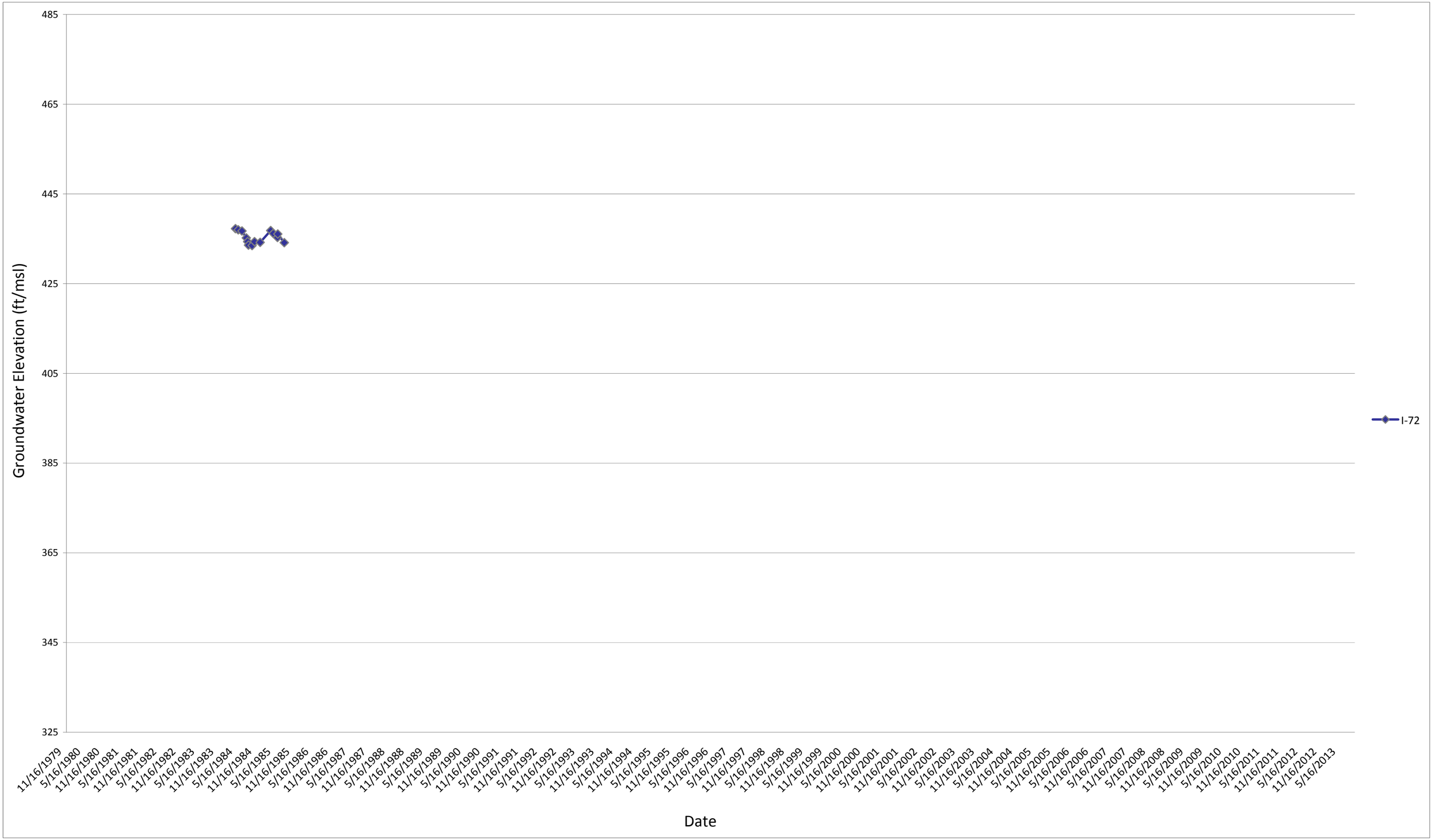
Groundwater Monitoring Well - I-68
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-35



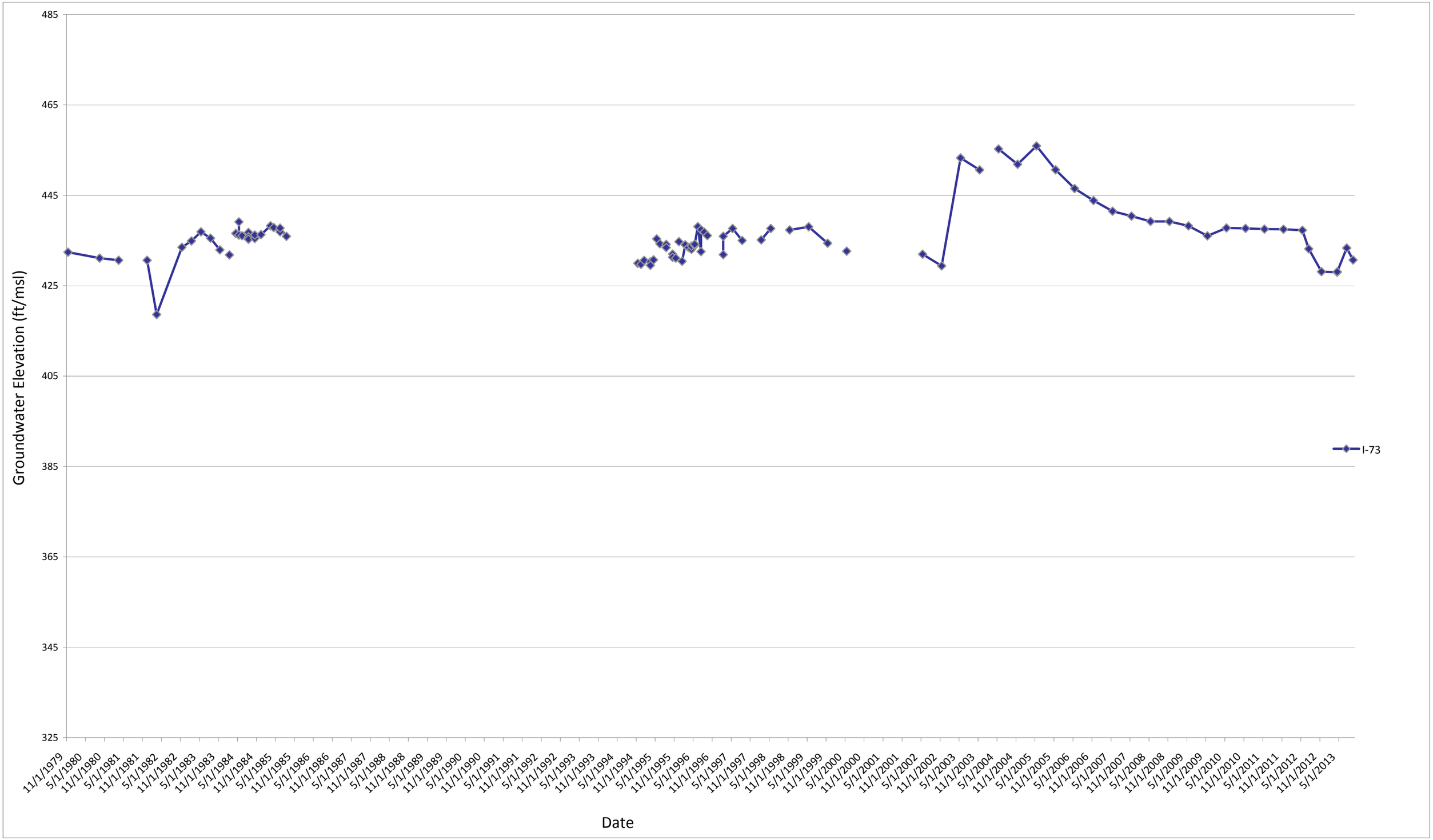
Groundwater Monitoring Well - I-72
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-36



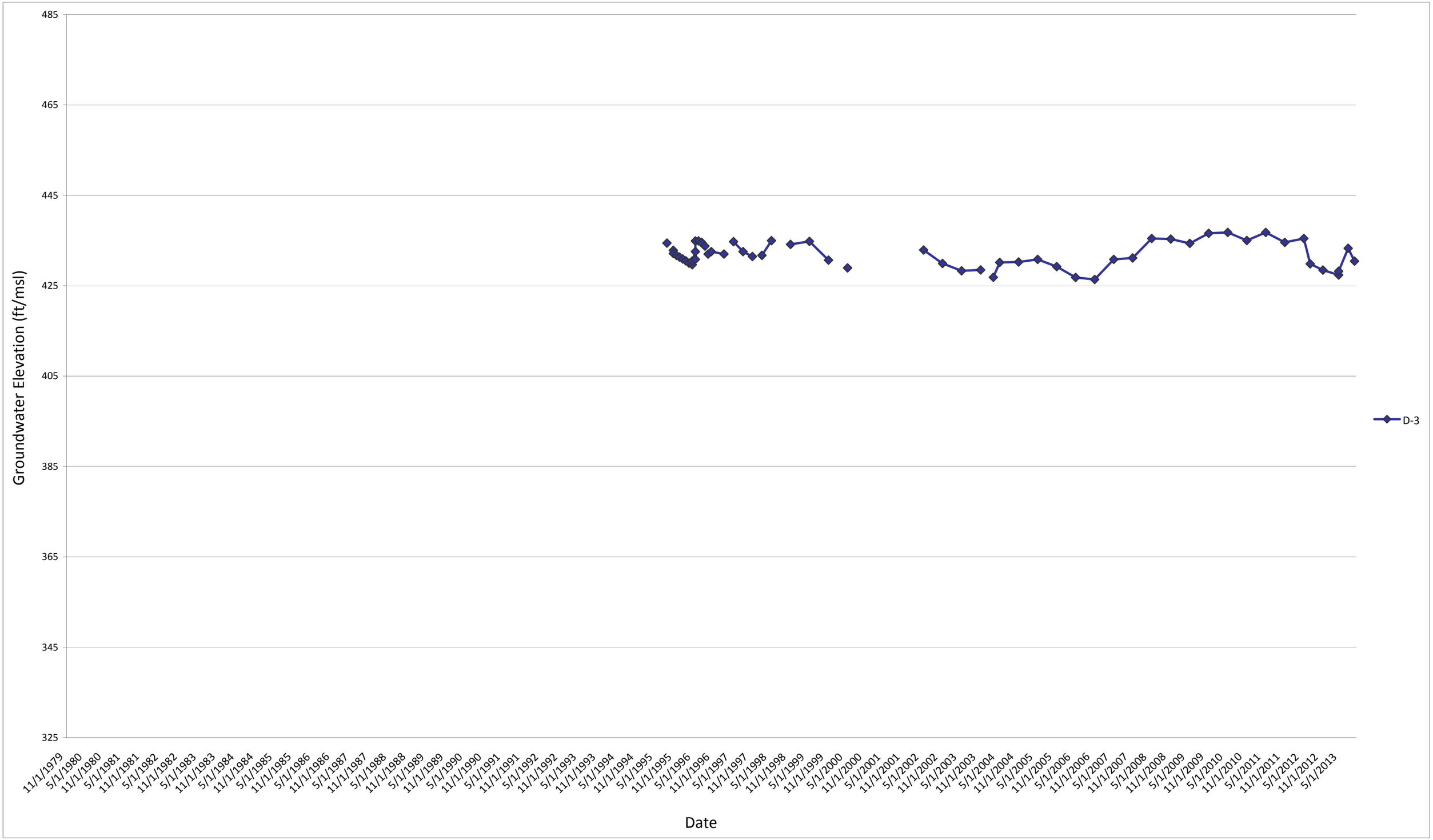
Groundwater Monitoring Well - I-73
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-37



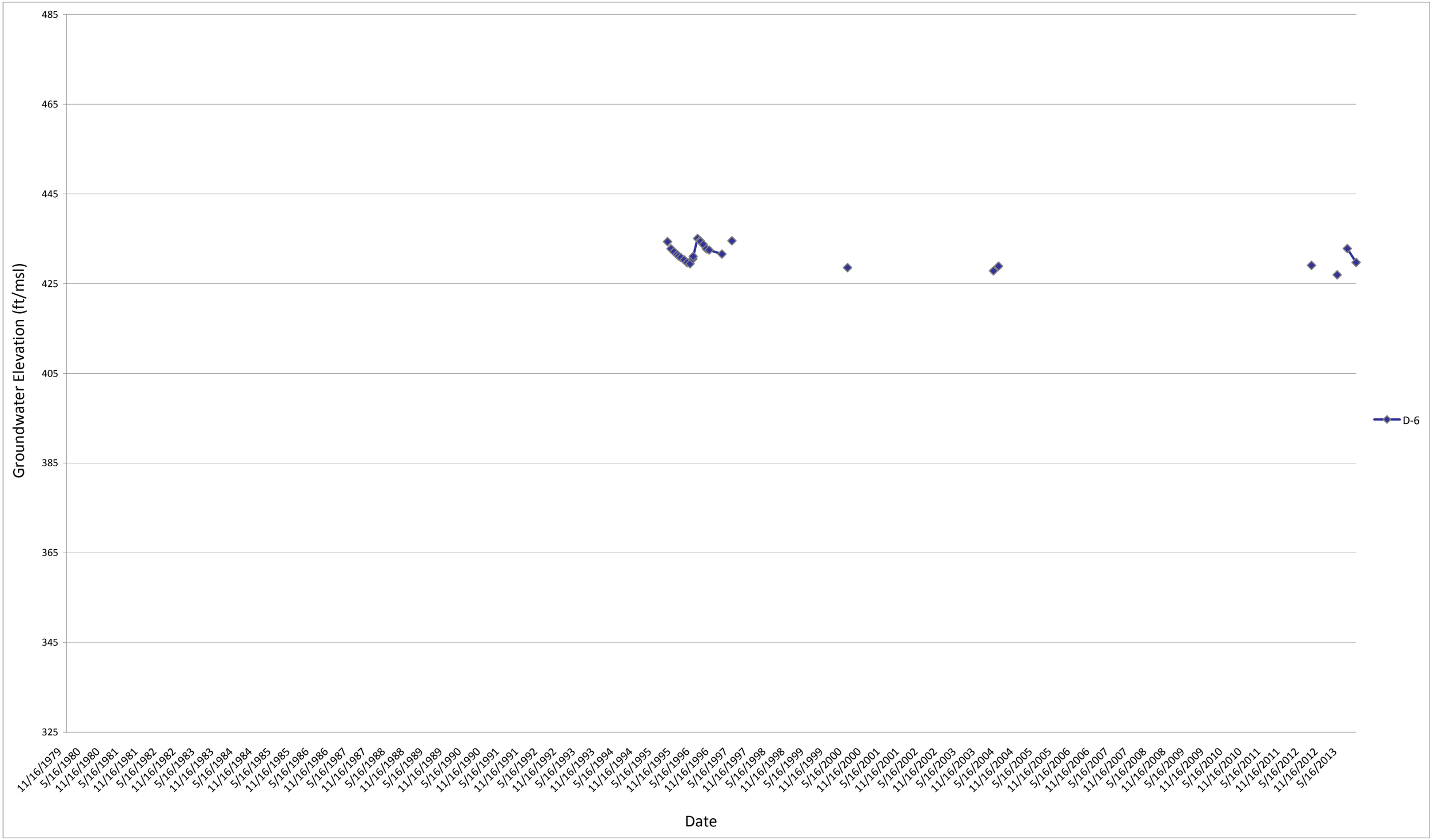
Groundwater Monitoring Well - D-3
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-38



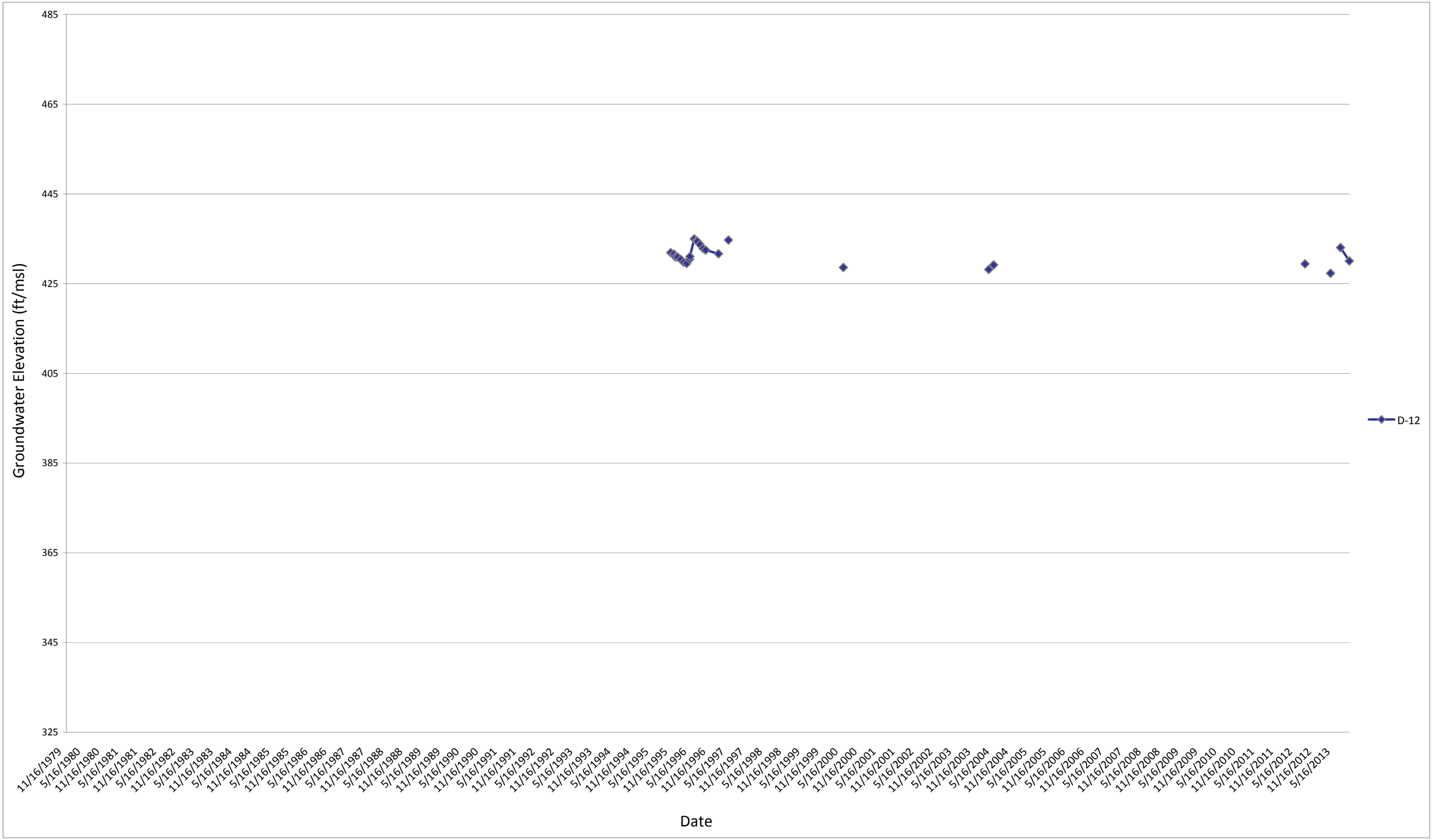
Groundwater Monitoring Well - D-6
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-39



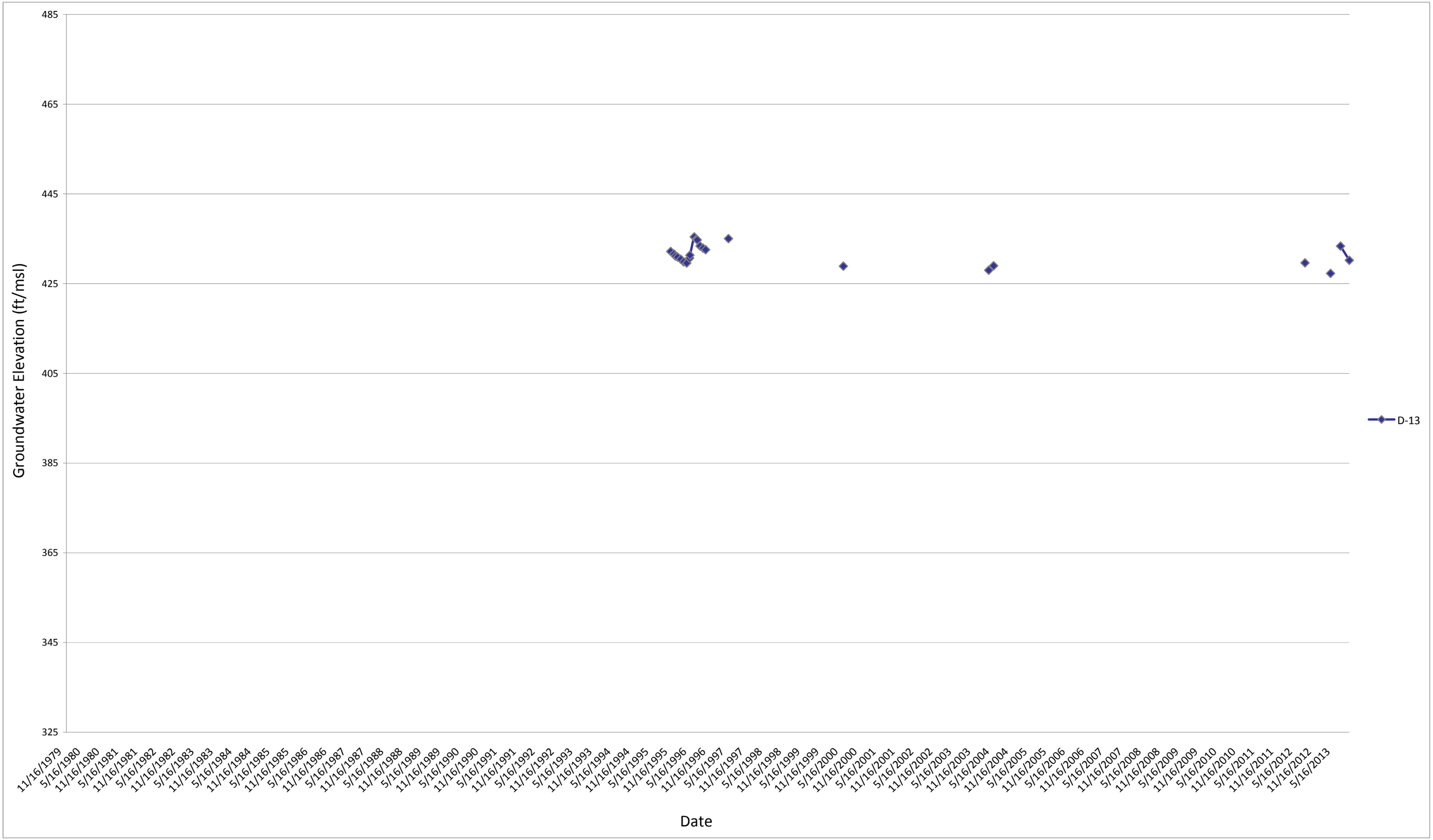
Groundwater Monitoring Well - D-12
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-40



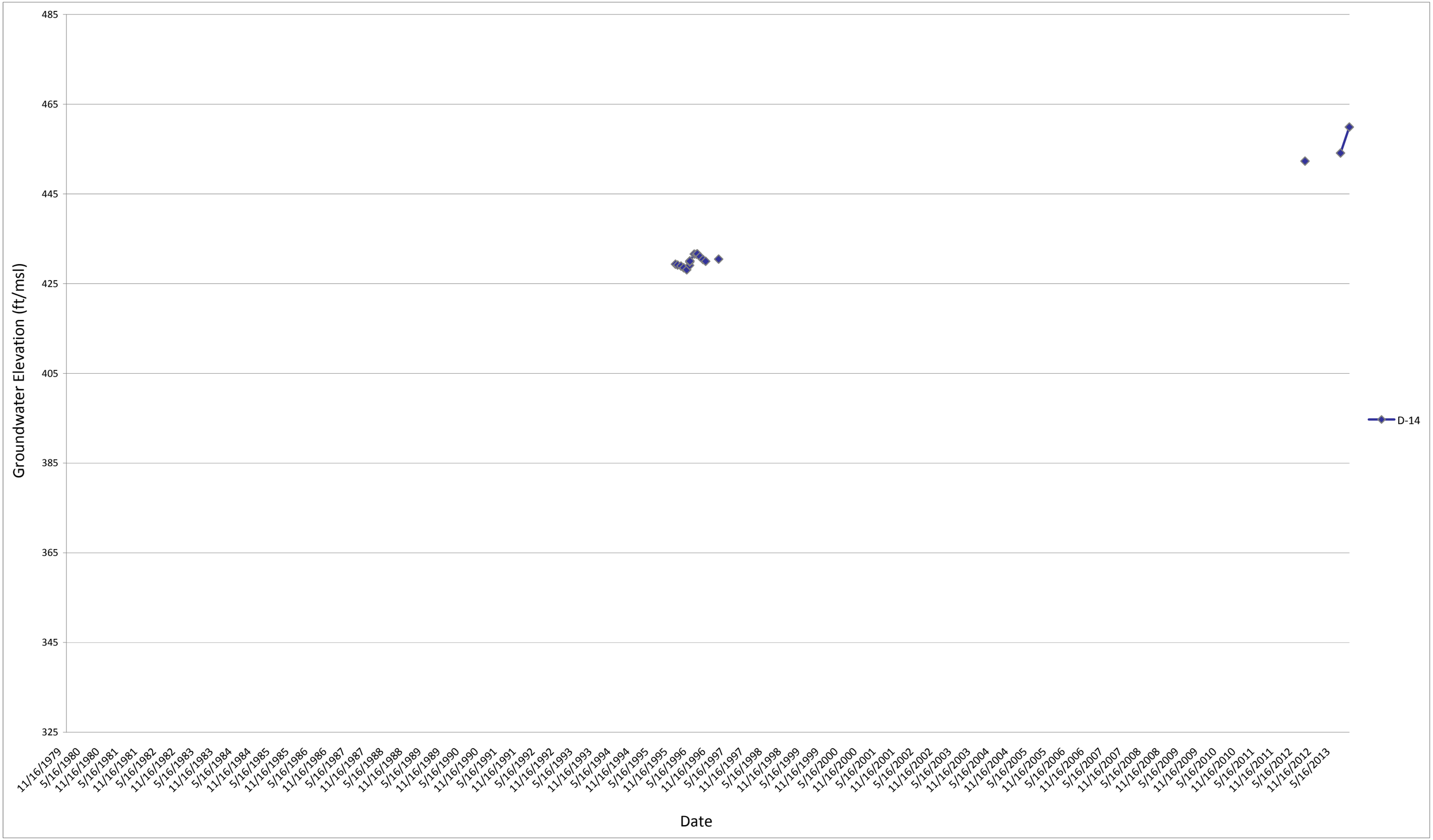
Groundwater Monitoring Well - D-13
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-41



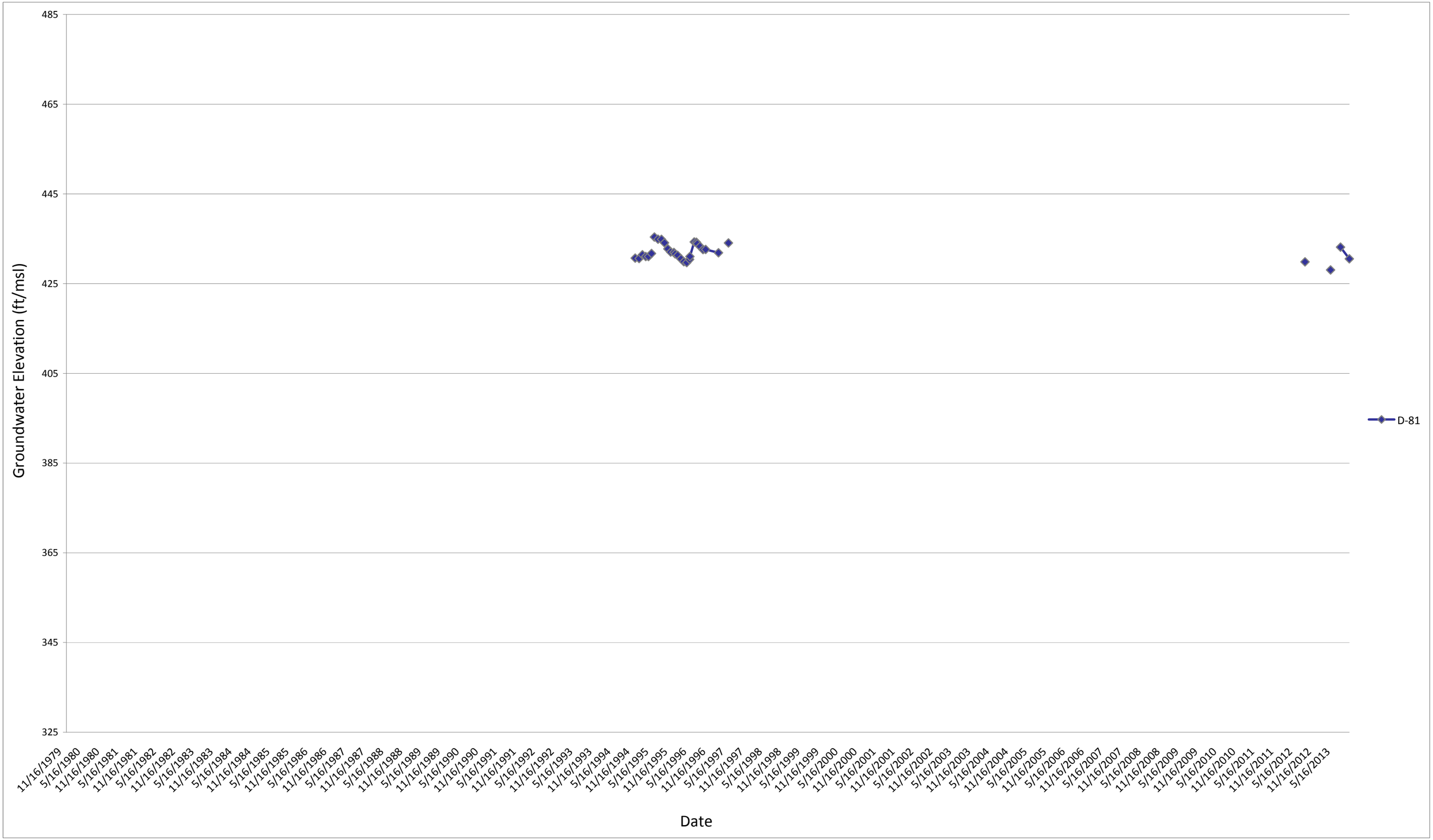
Groundwater Monitoring Well - D-14
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-42



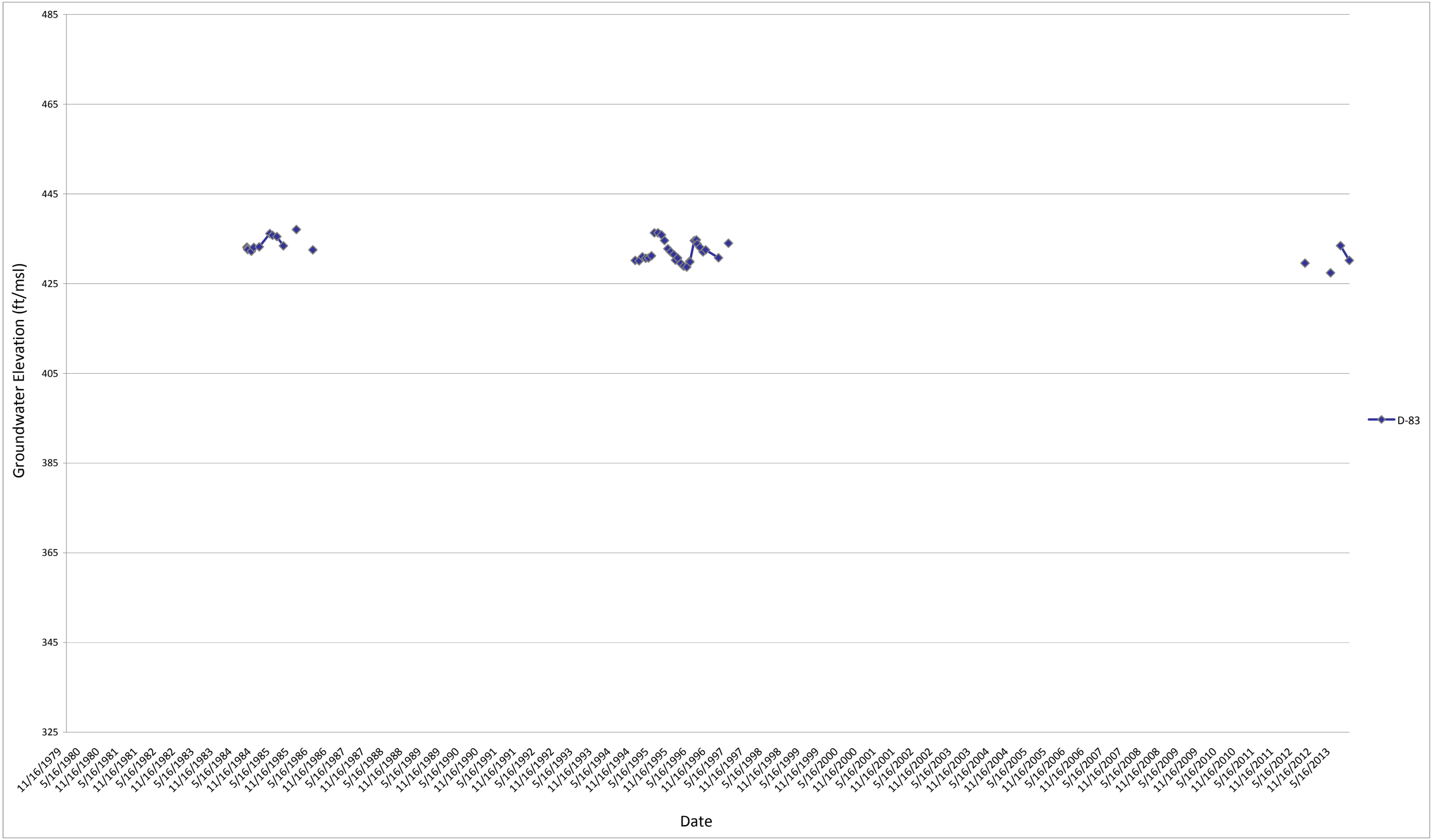
Groundwater Monitoring Well - D-81
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-43



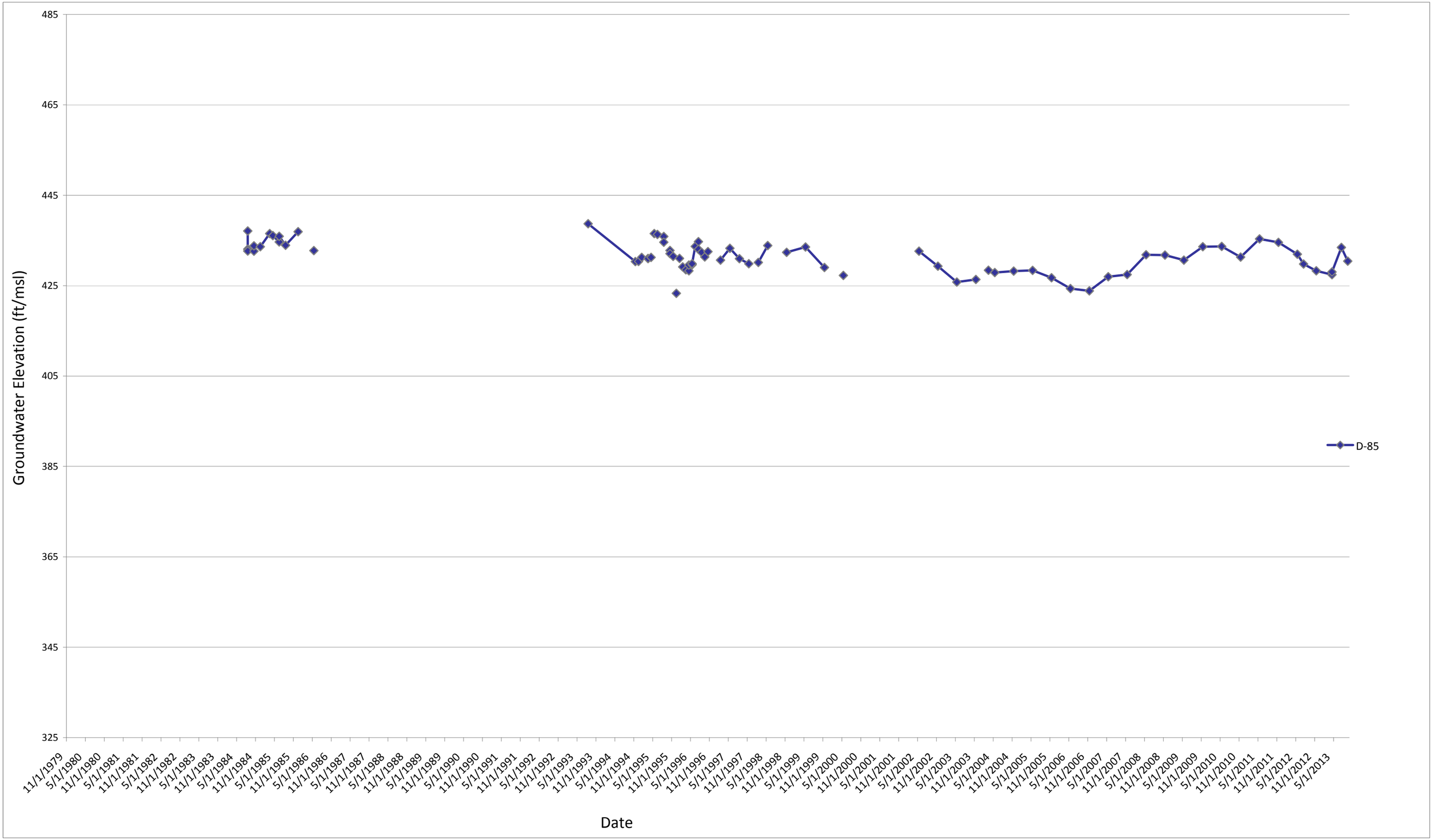
Groundwater Monitoring Well - D-83
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-44



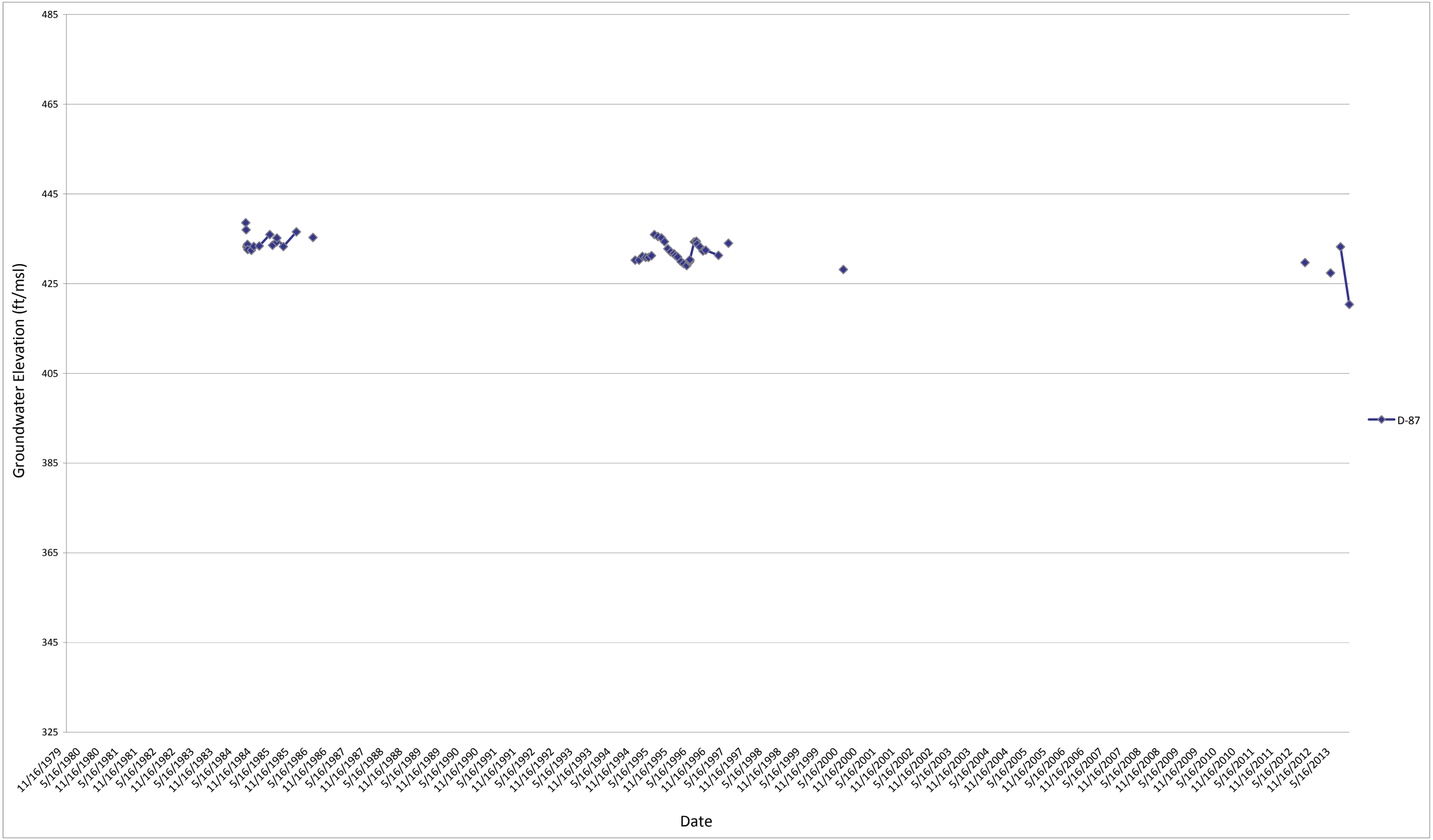
Groundwater Monitoring Well - D-85
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-45



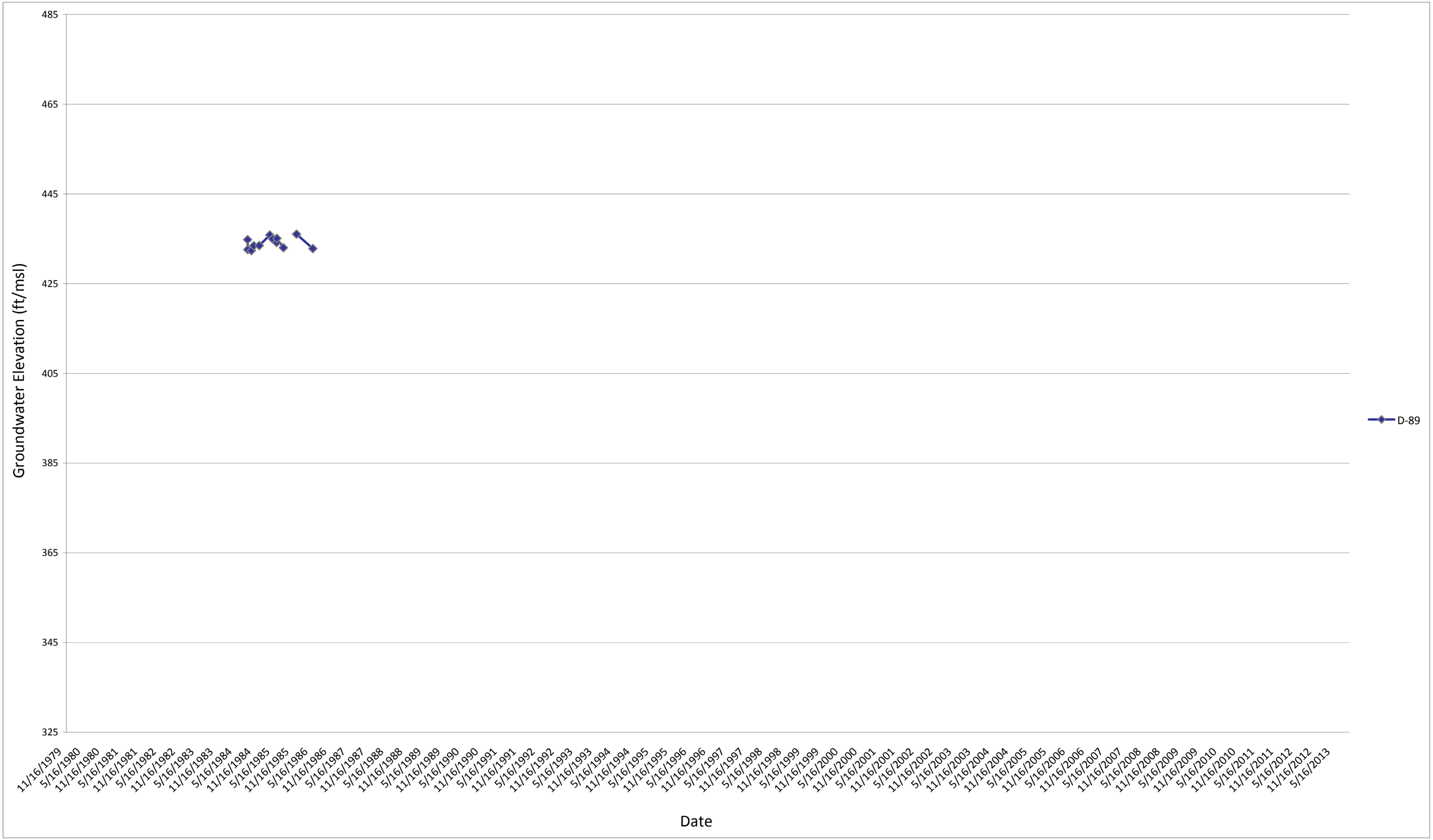
Groundwater Monitoring Well - D-87
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-46



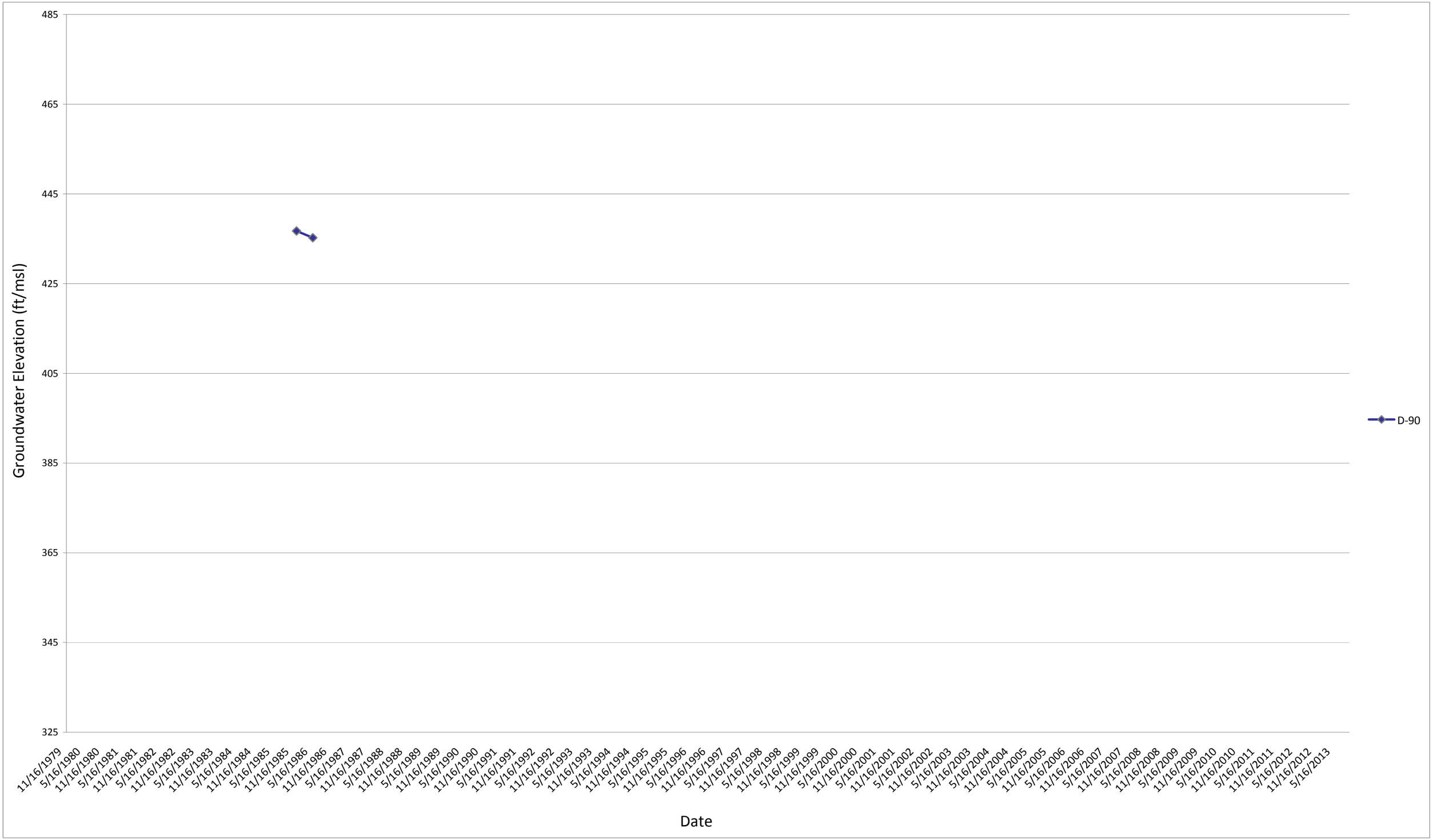
Groundwater Monitoring Well - D-89
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-47



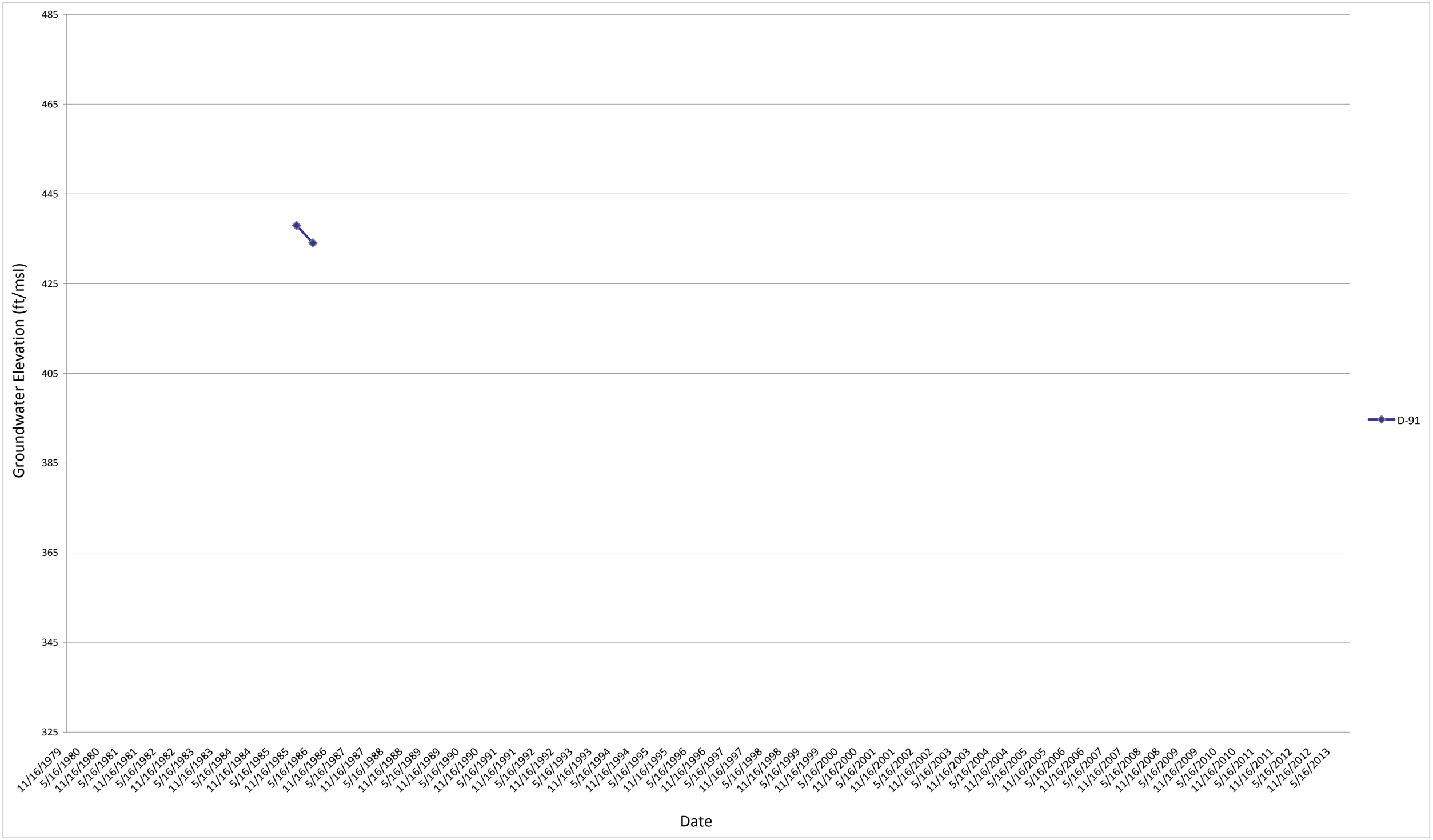
Groundwater Monitoring Well - D-90
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-48



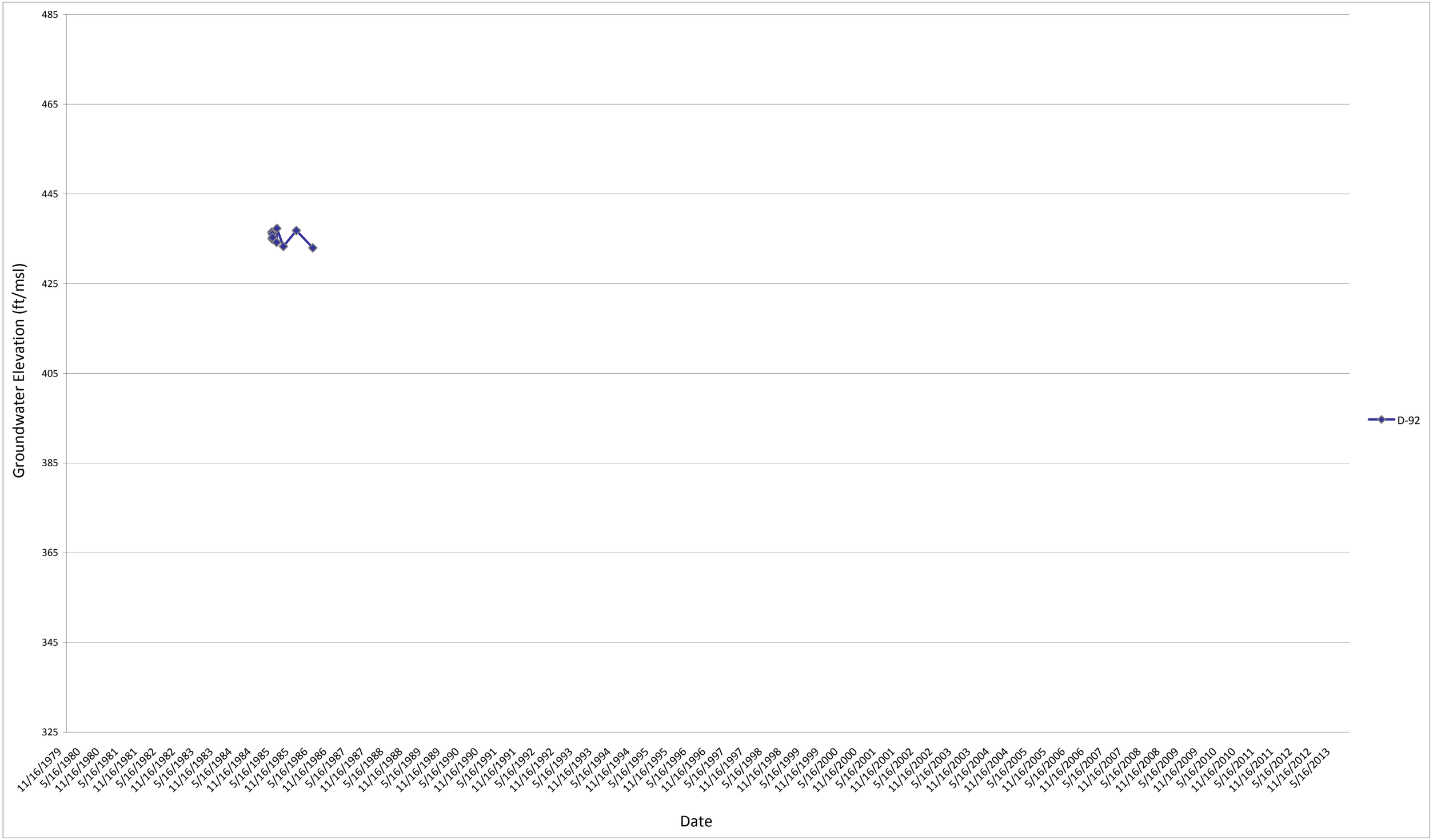
Groundwater Monitoring Well - D-91
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-49



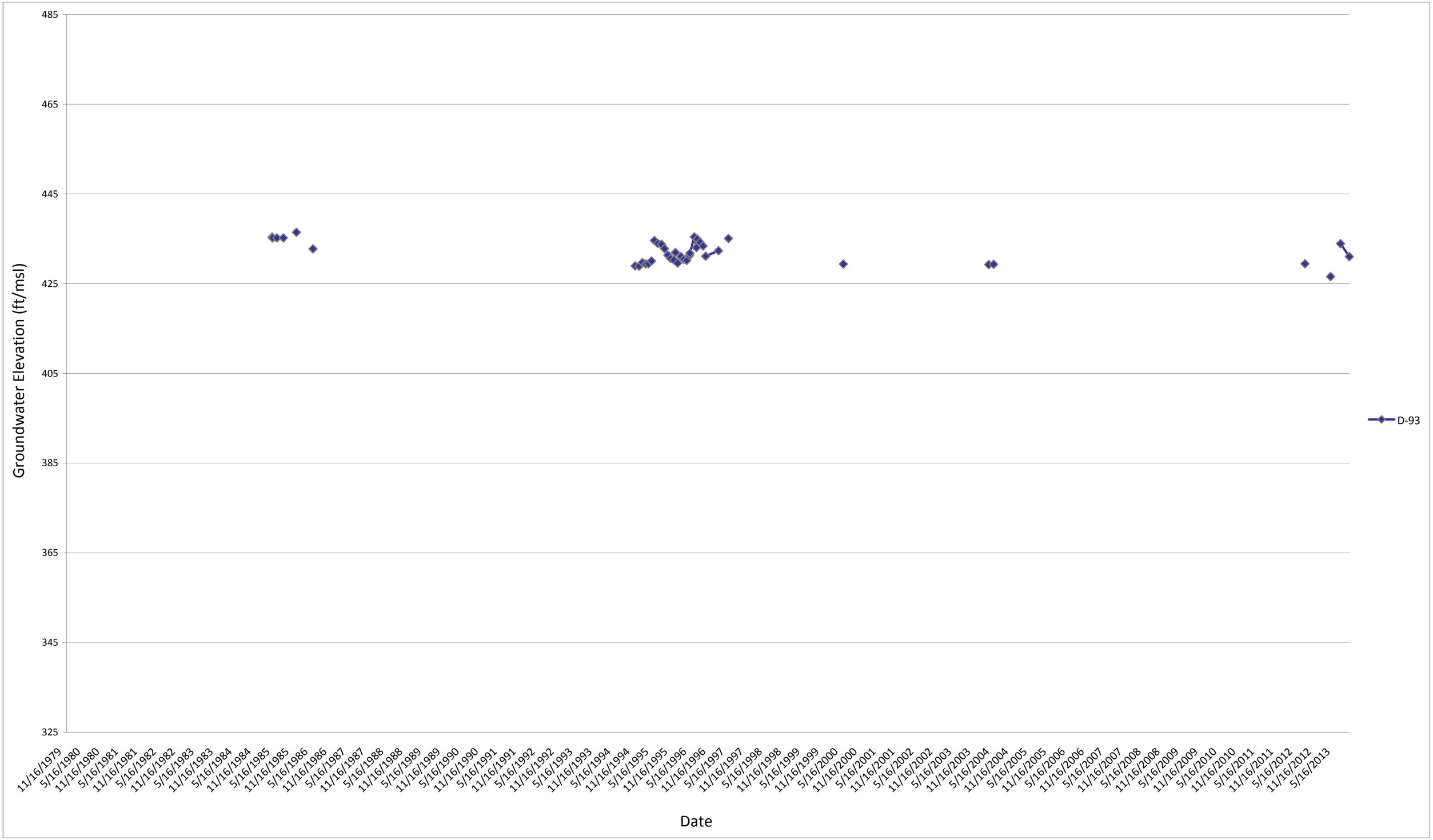
Groundwater Monitoring Well - D-92
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-50



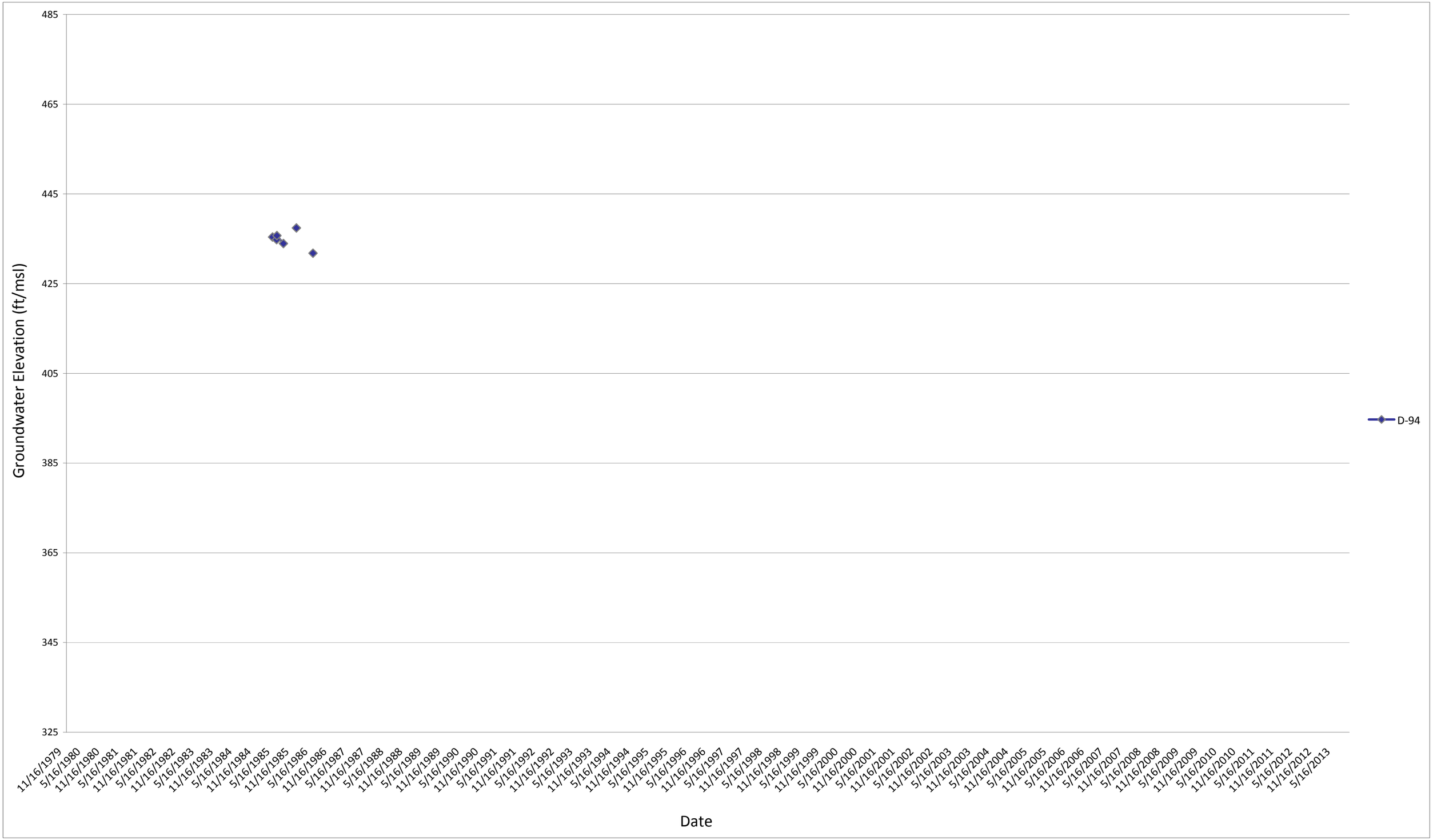
Groundwater Monitoring Well - D-93
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-51



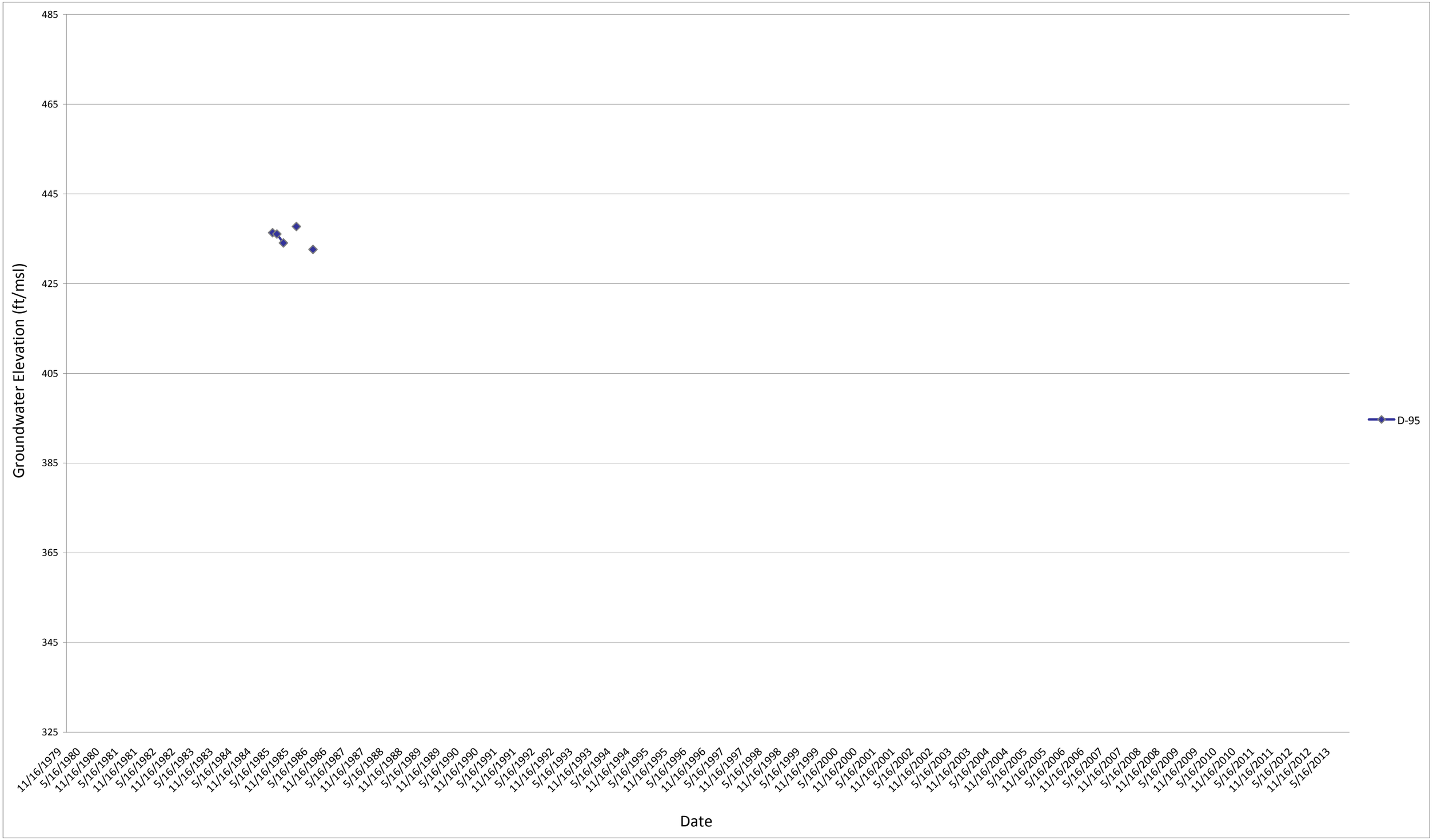
Groundwater Monitoring Well - D-94
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-52



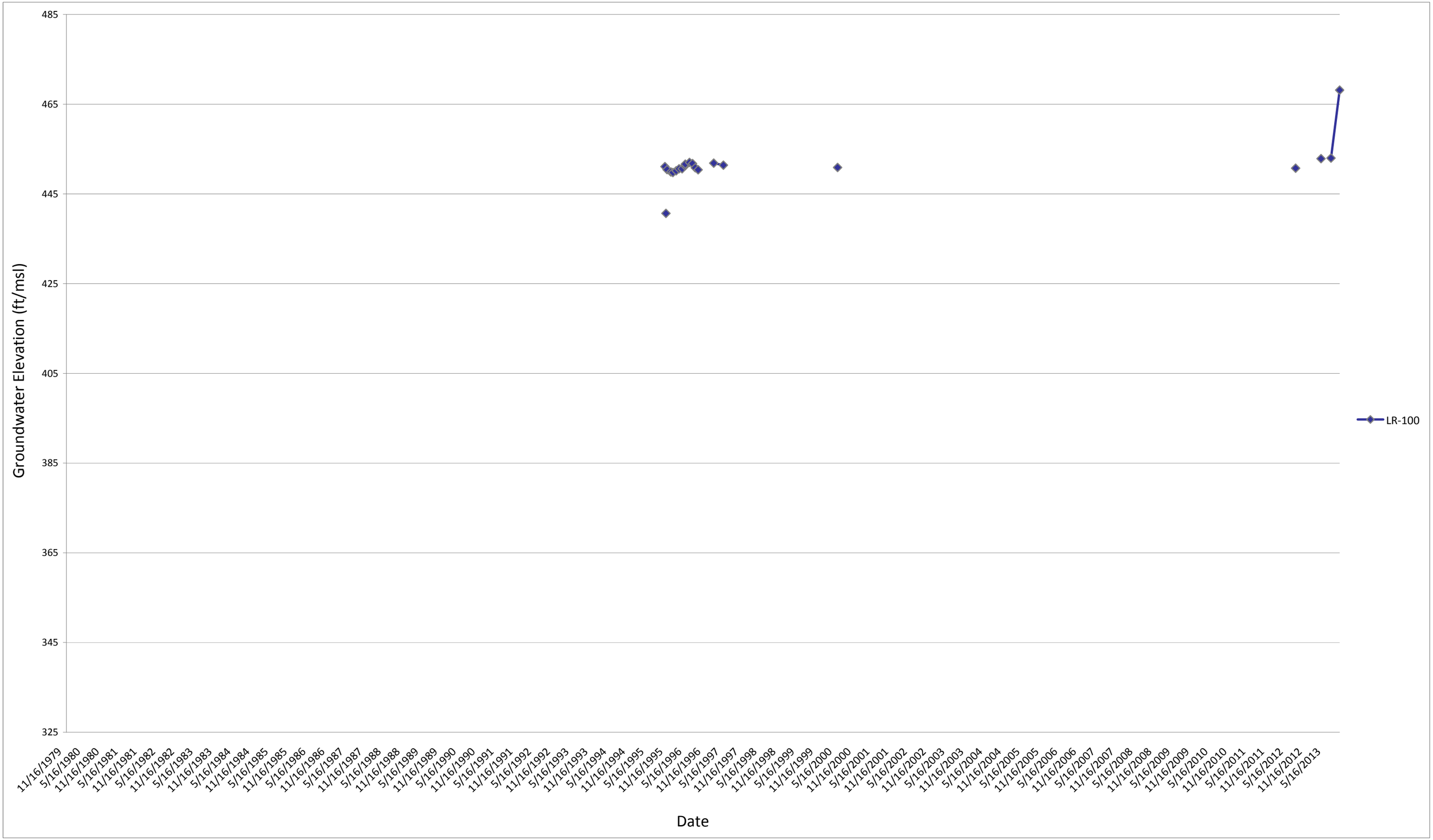
Groundwater Monitoring Well - D-95
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-53



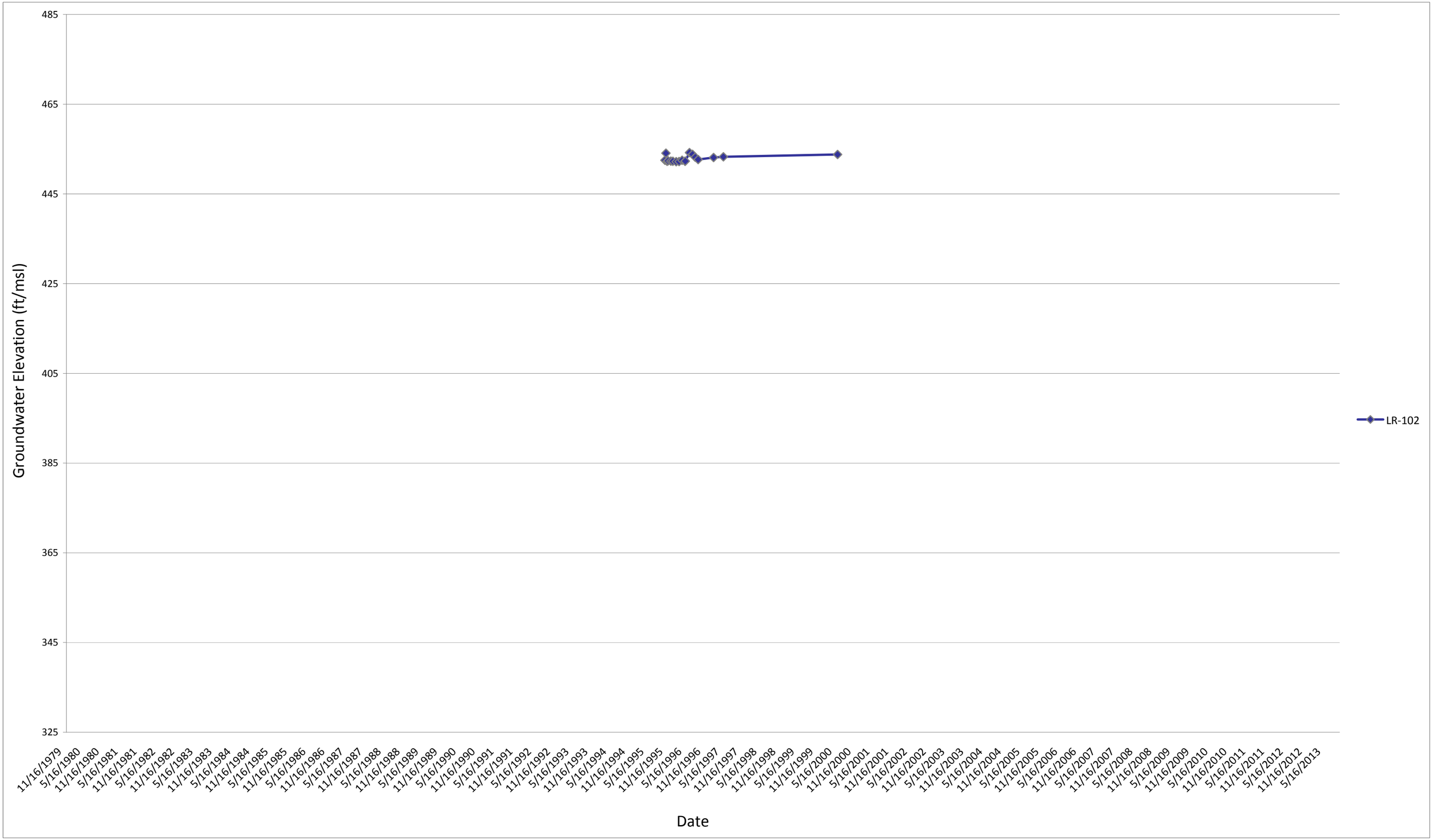
Groundwater Monitoring Well - LR-100
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-54



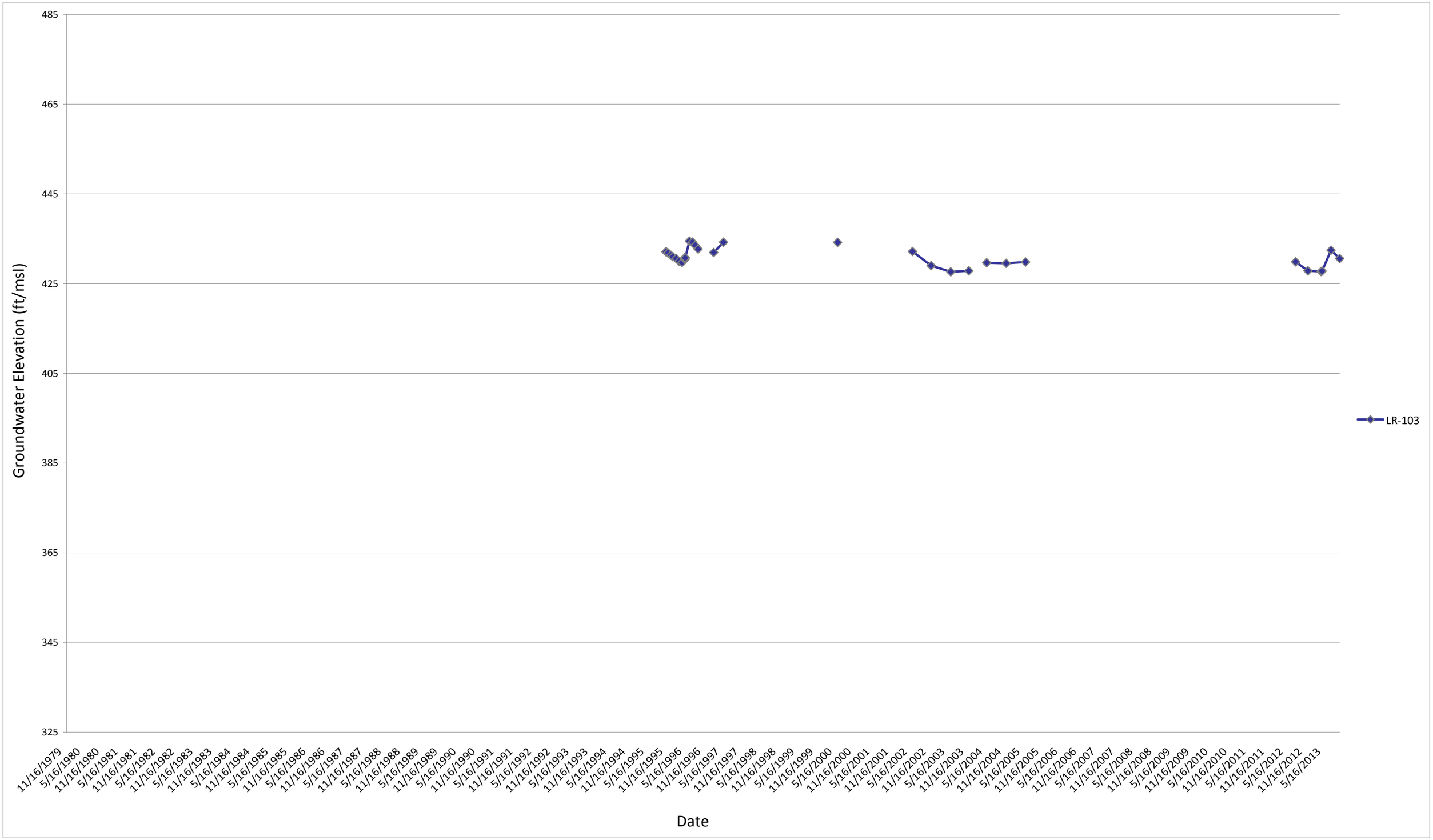
Groundwater Monitoring Well - LR-102
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-55



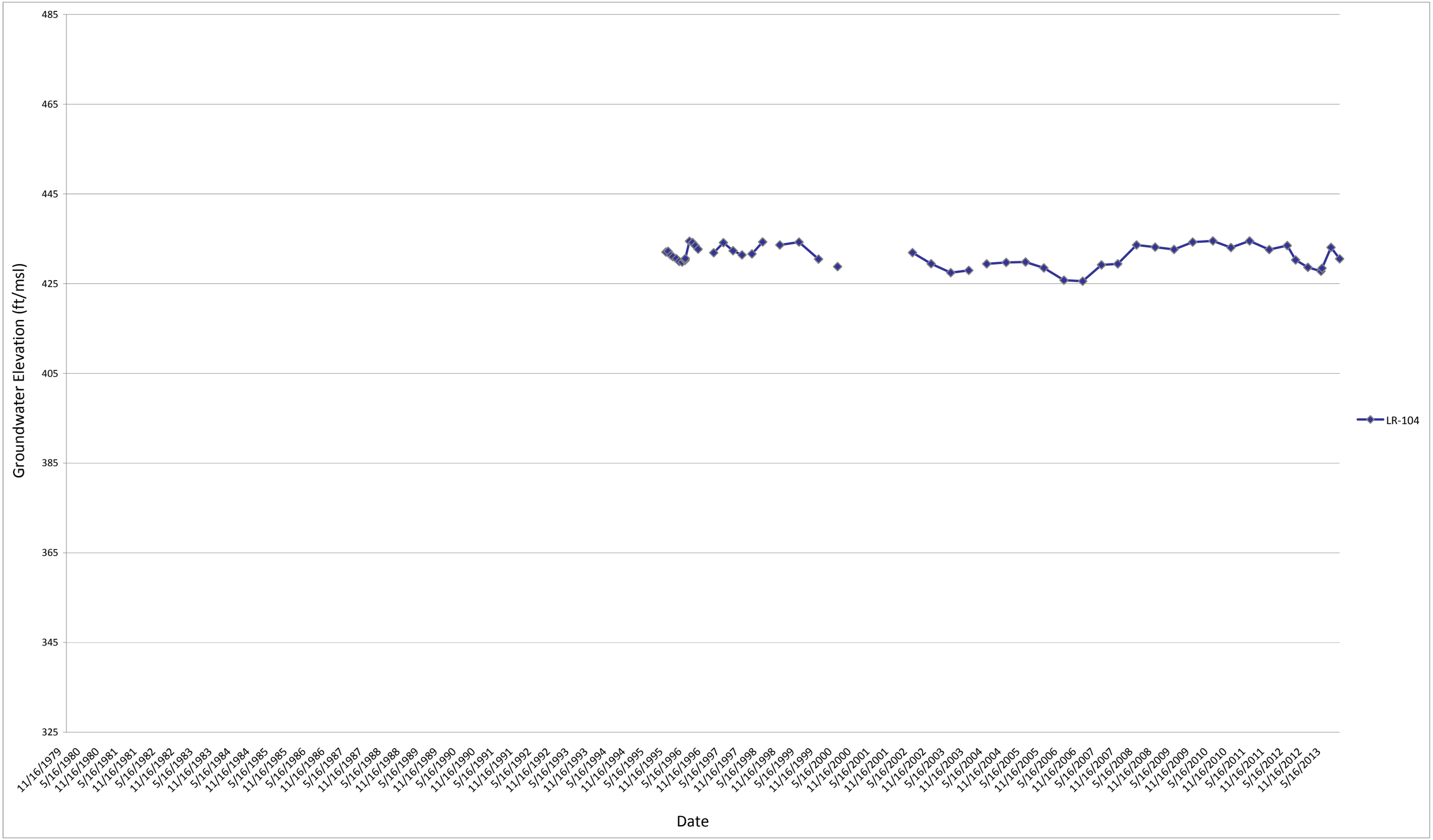
Groundwater Monitoring Well - LR-103
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-56



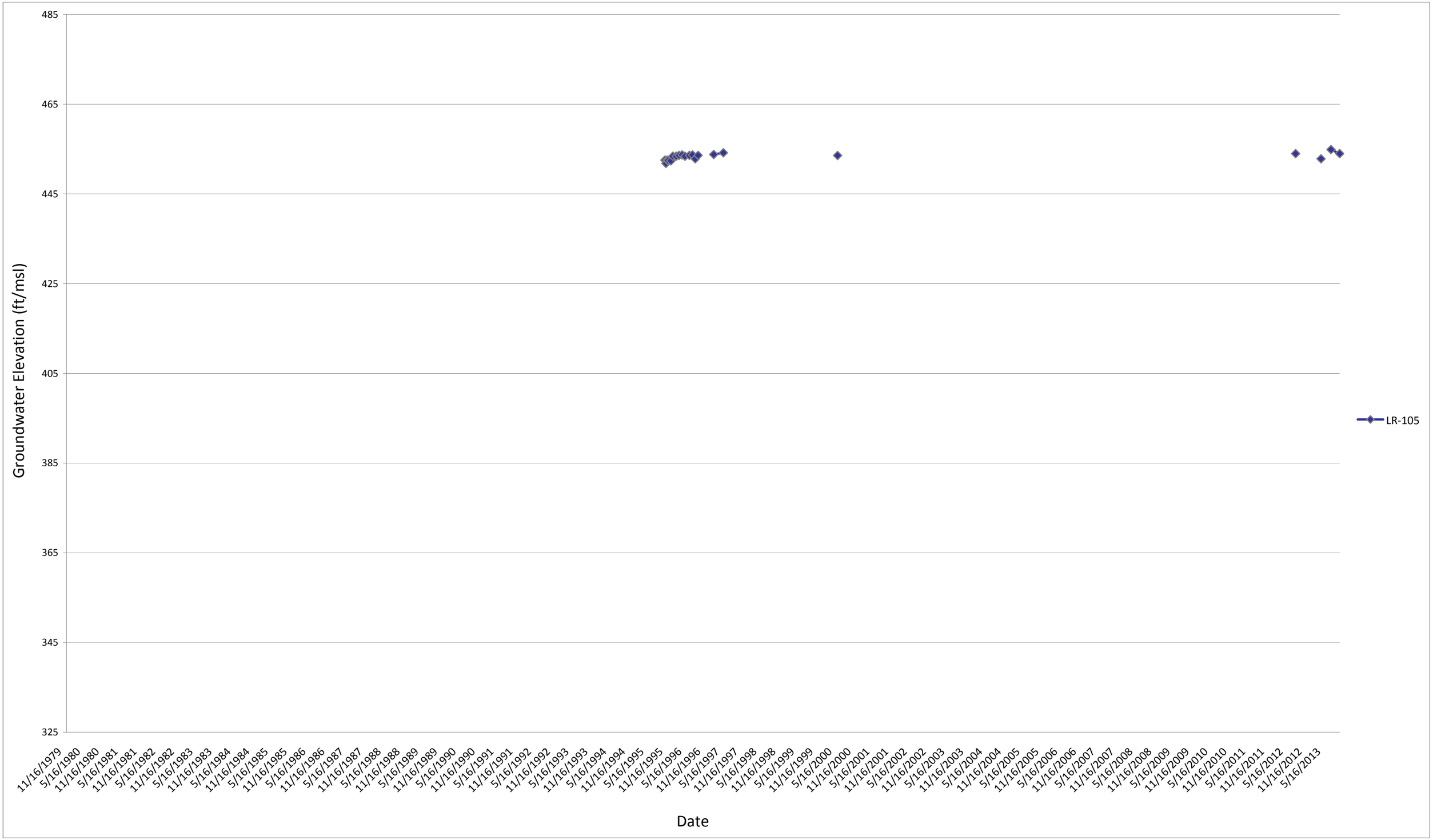
Groundwater Monitoring Well - LR-104
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-57



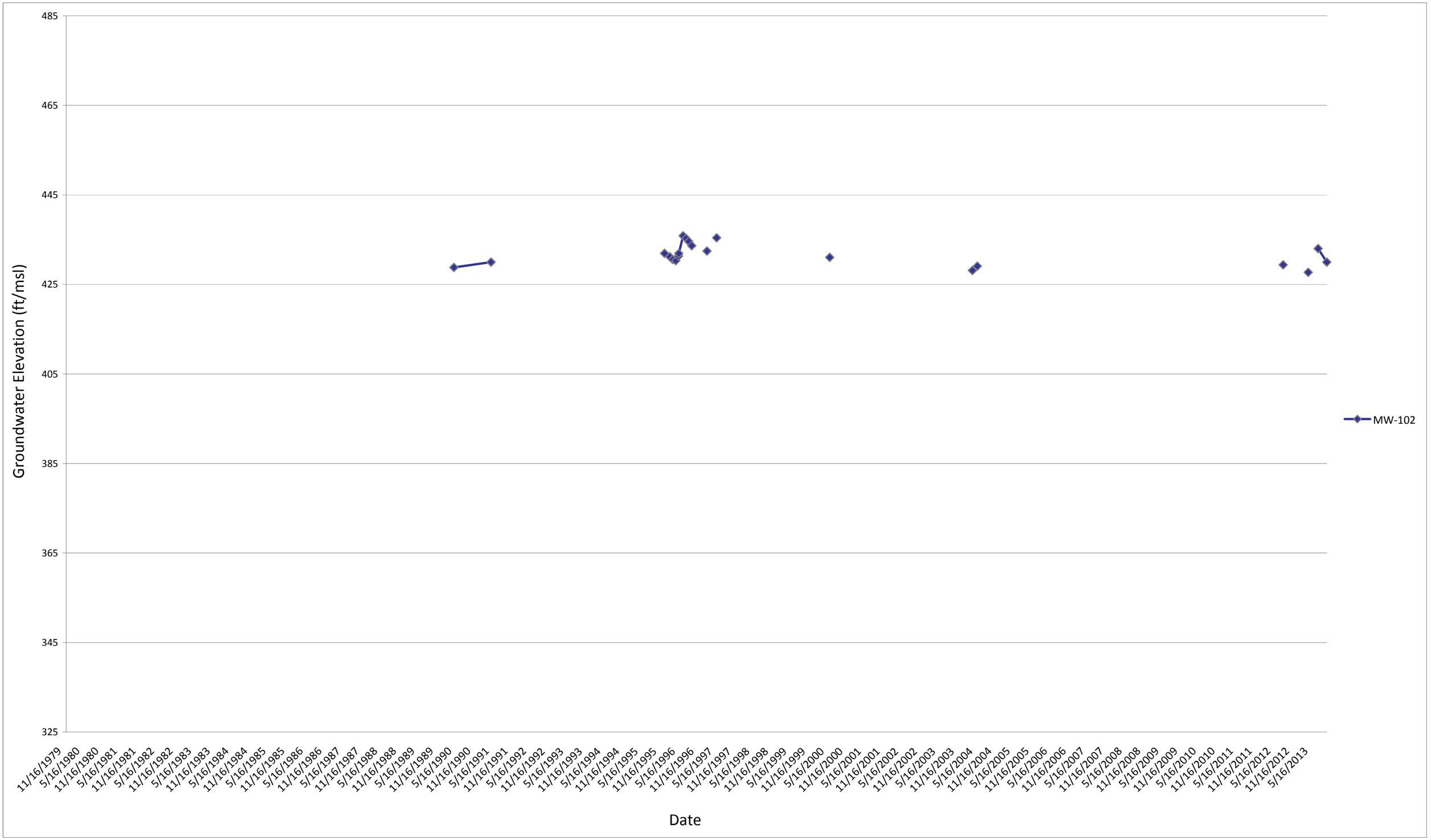
Groundwater Monitoring Well - LR-105
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-58



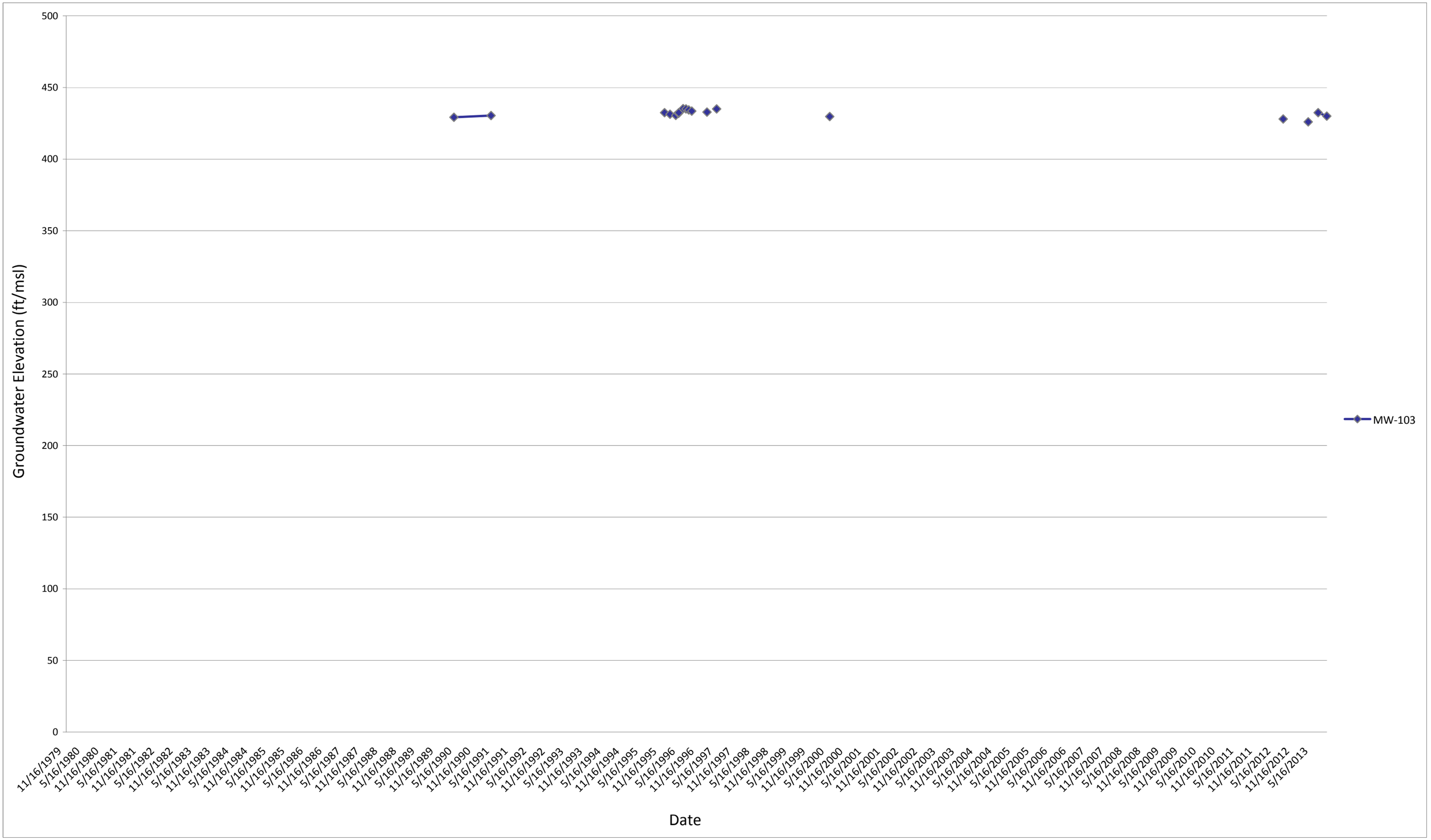
Groundwater Monitoring Well - MW-102
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-59



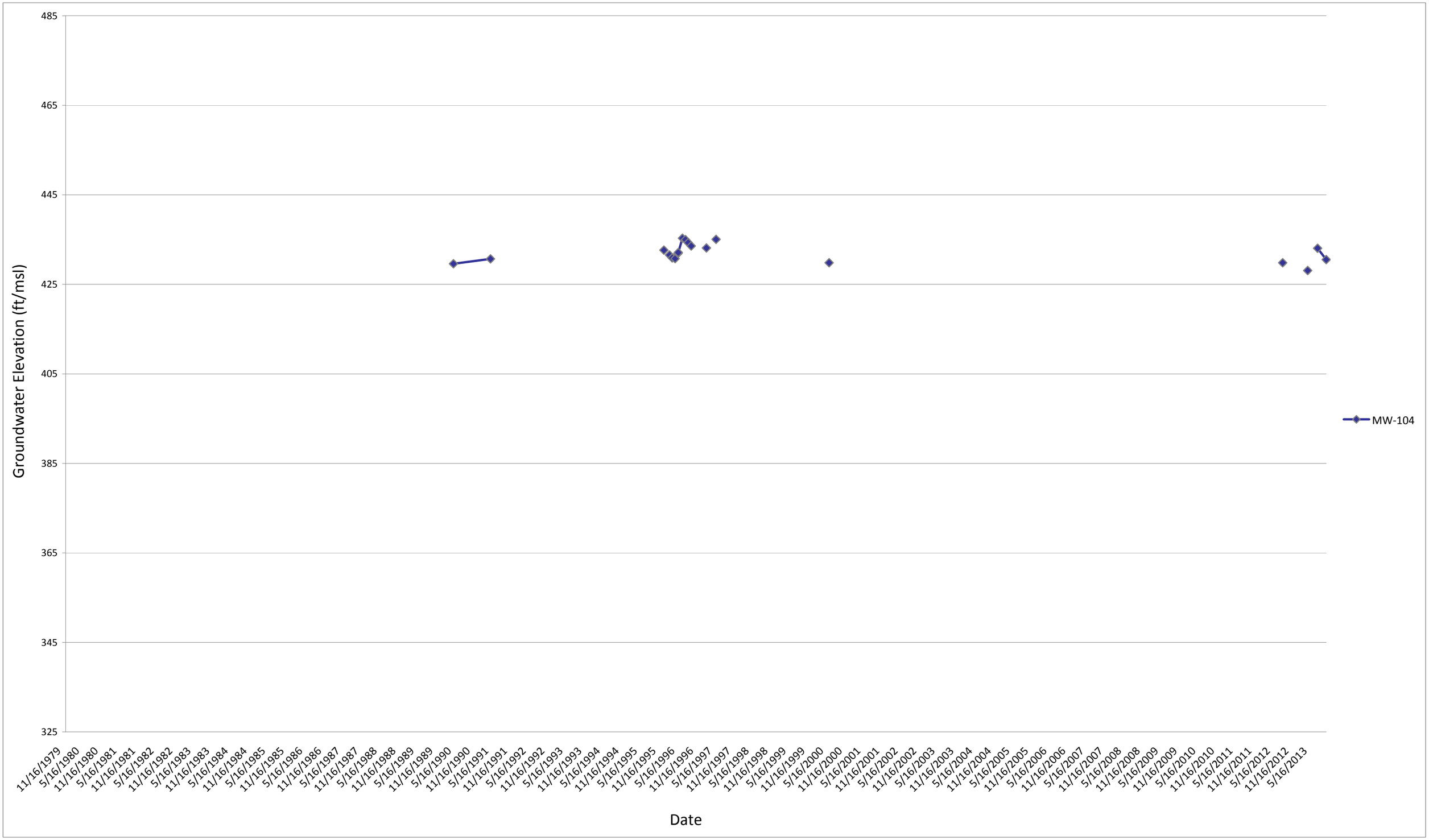
Groundwater Monitoring Well - MW-103
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-60



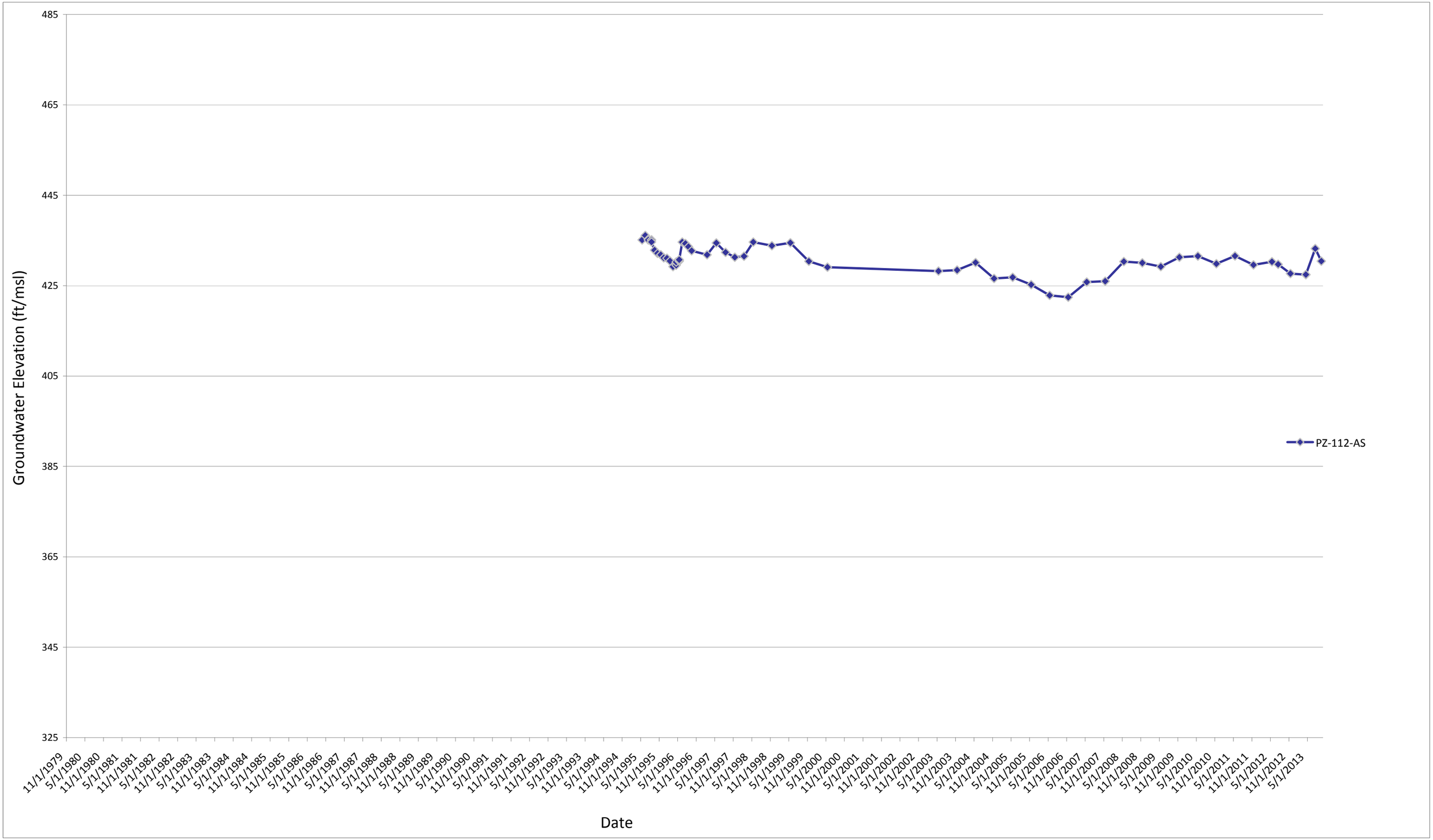
Groundwater Monitoring Well - MW-104
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-61



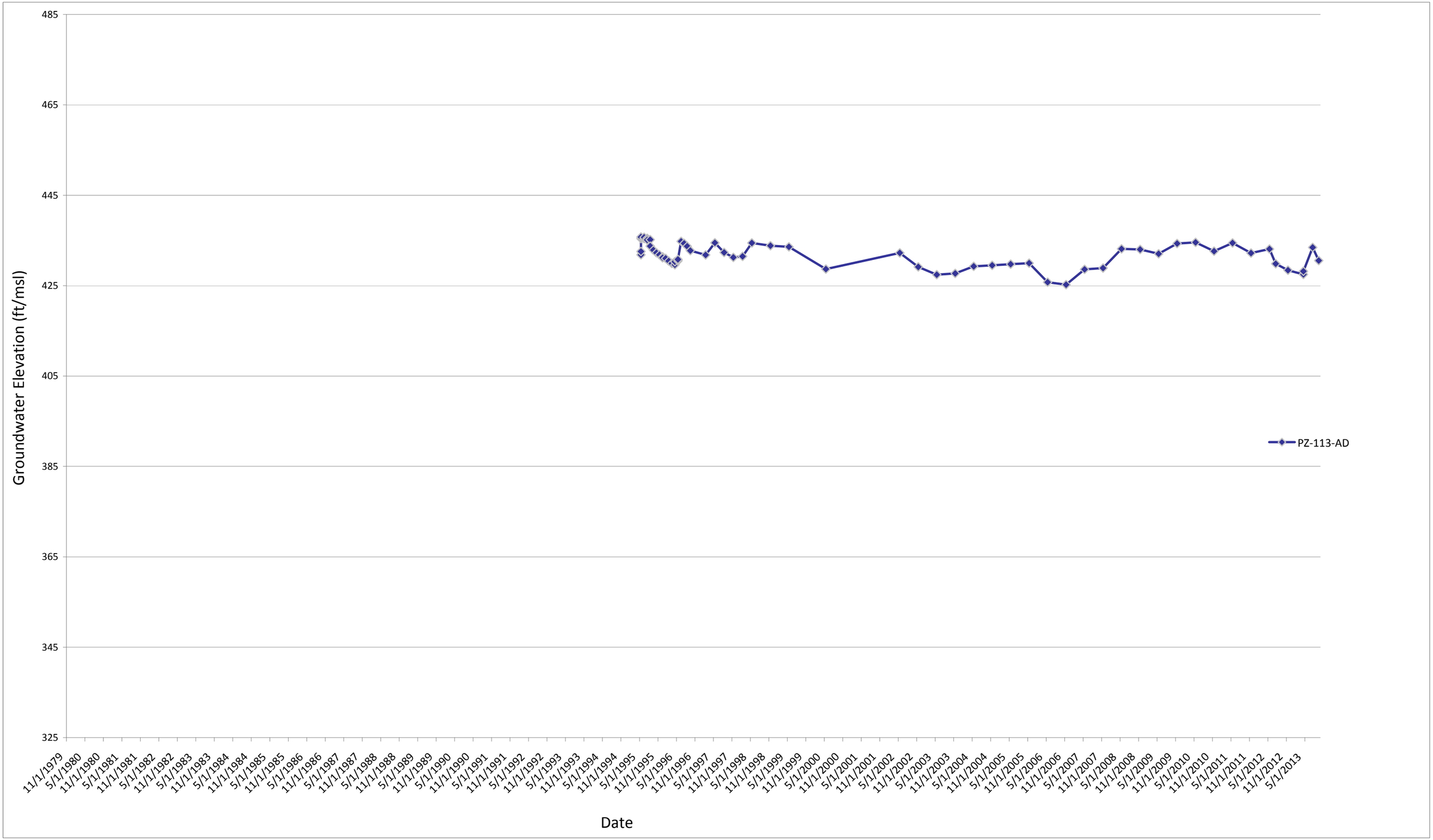
Groundwater Monitoring Well - PZ-112-AS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-62



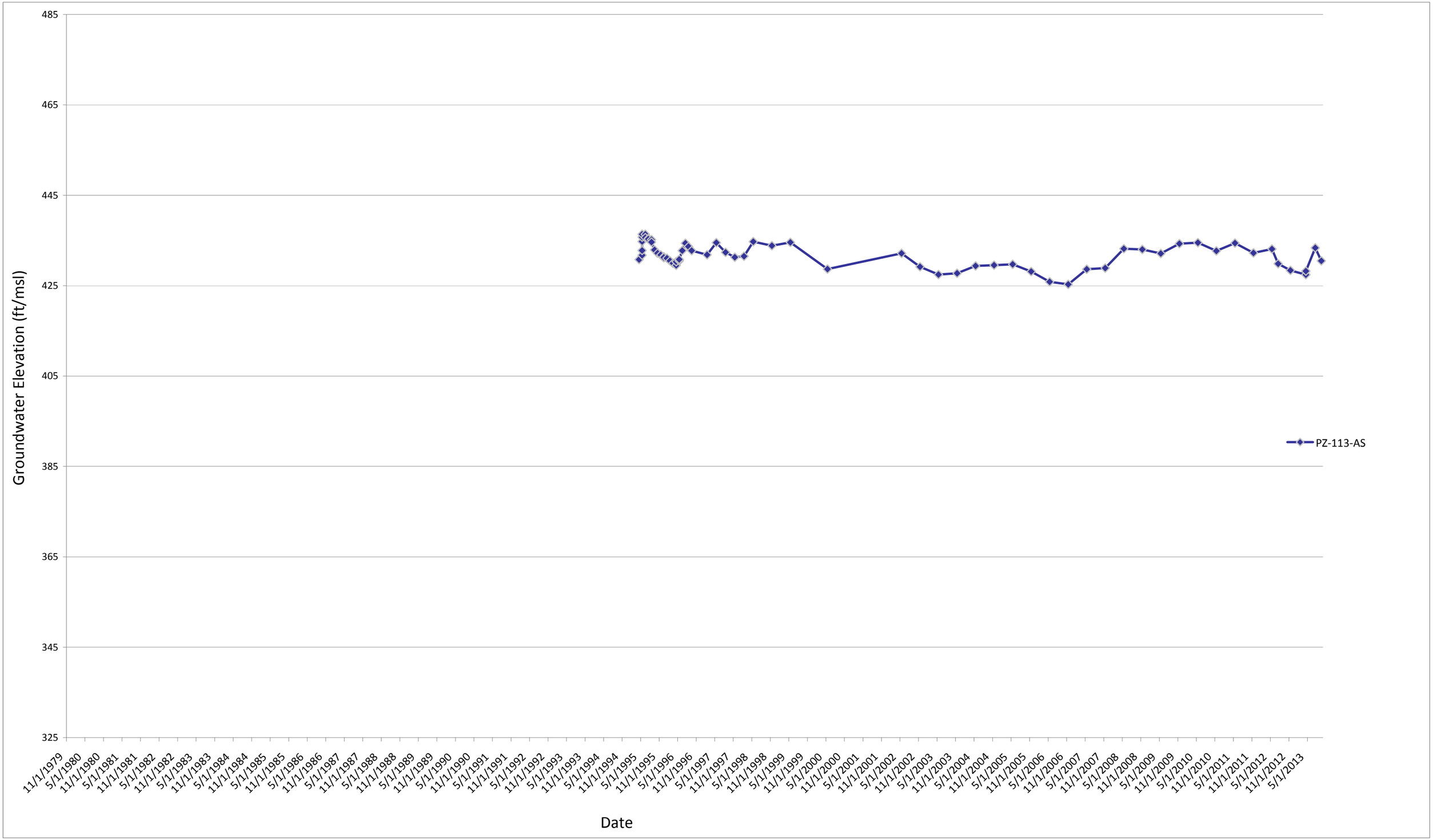
Groundwater Monitoring Well - PZ-113-AD
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-63



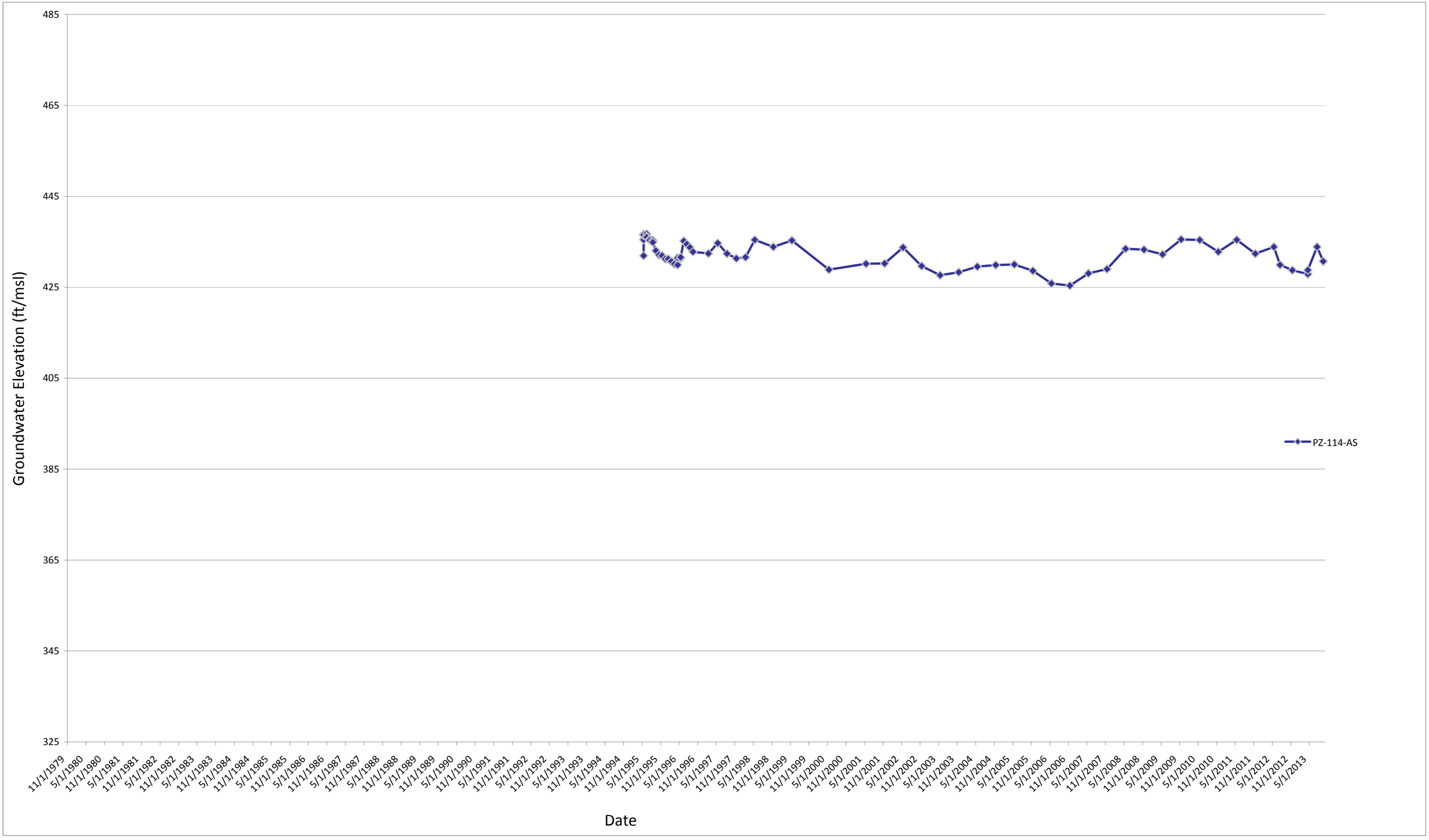
Groundwater Monitoring Well - PZ-113-AS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-64



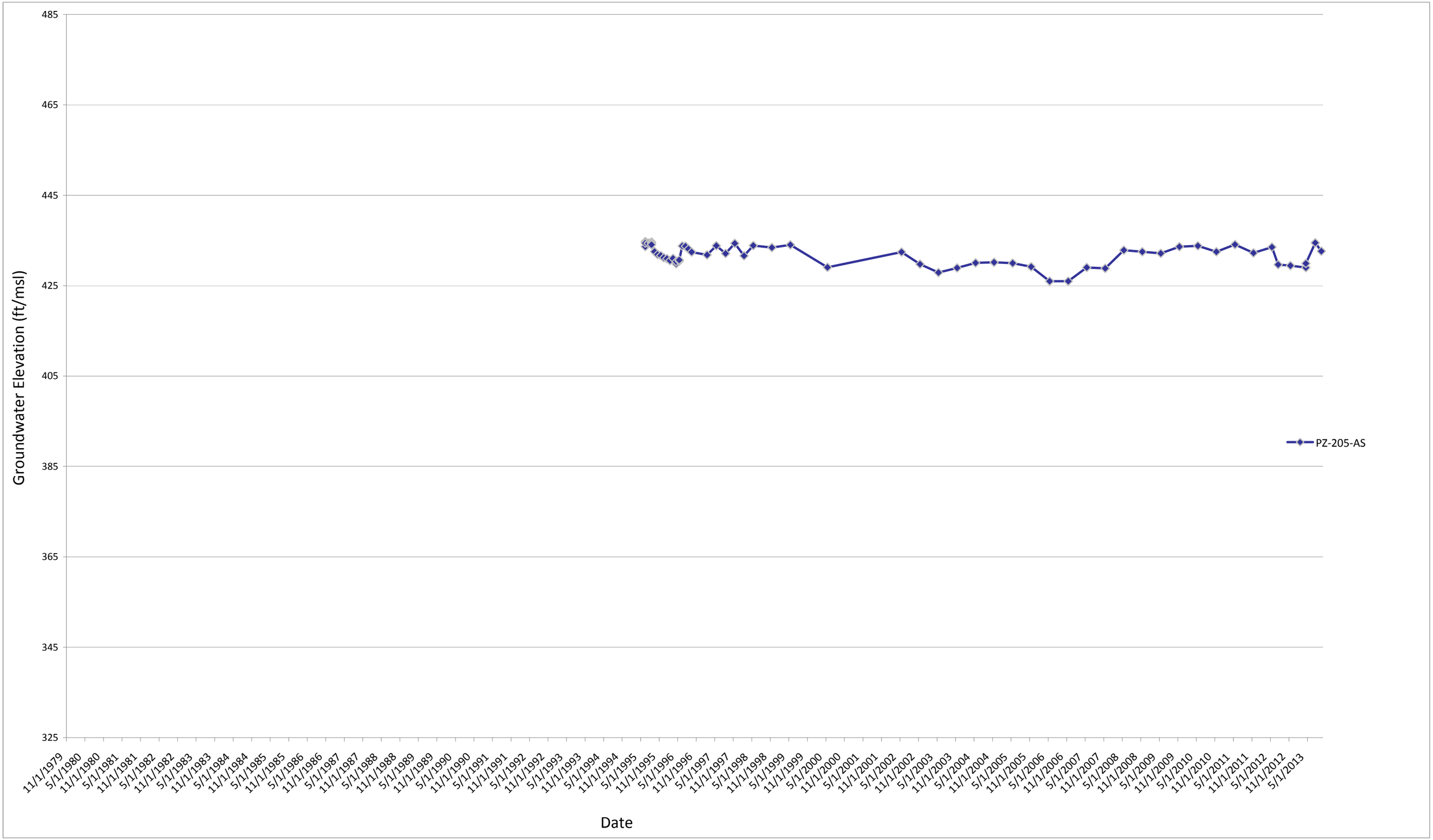
Groundwater Monitoring Well - PZ-114-AS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-65



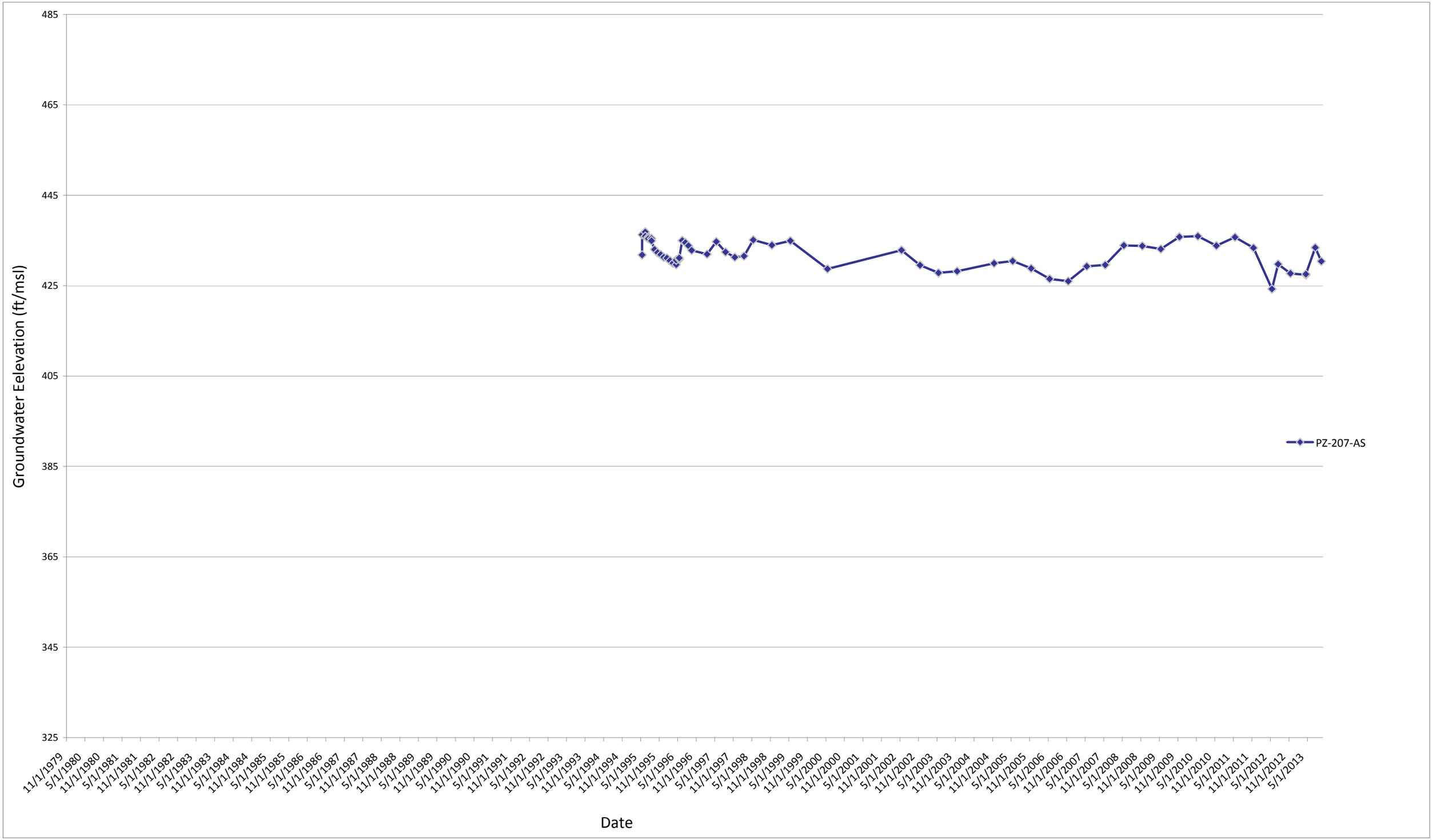
Groundwater Monitoring Well - PZ-205-AS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-66



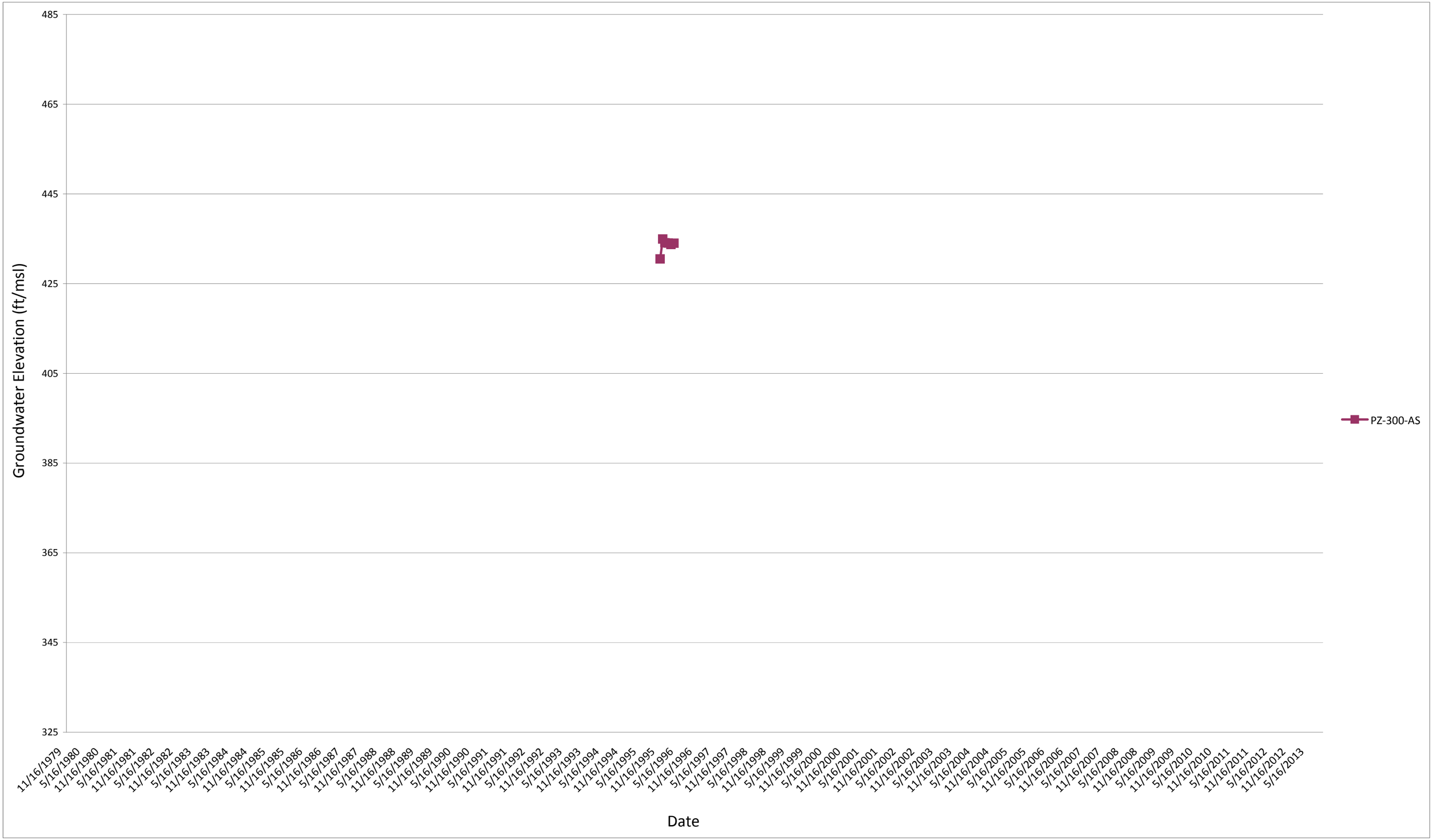
Groundwater Monitoring Well - PZ-207-AS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-67



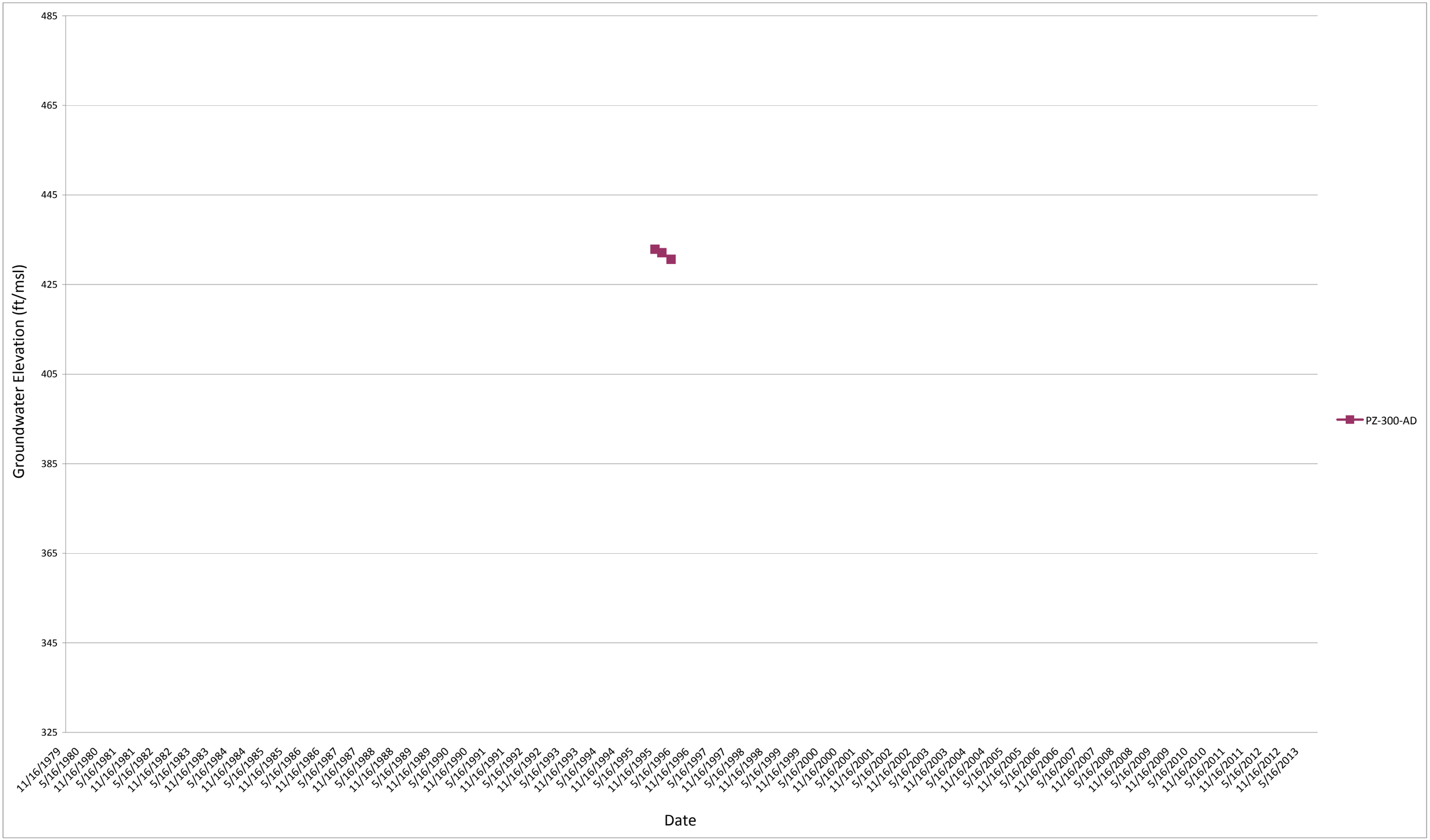
Groundwater Monitoring Well - PZ-300-AS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-68



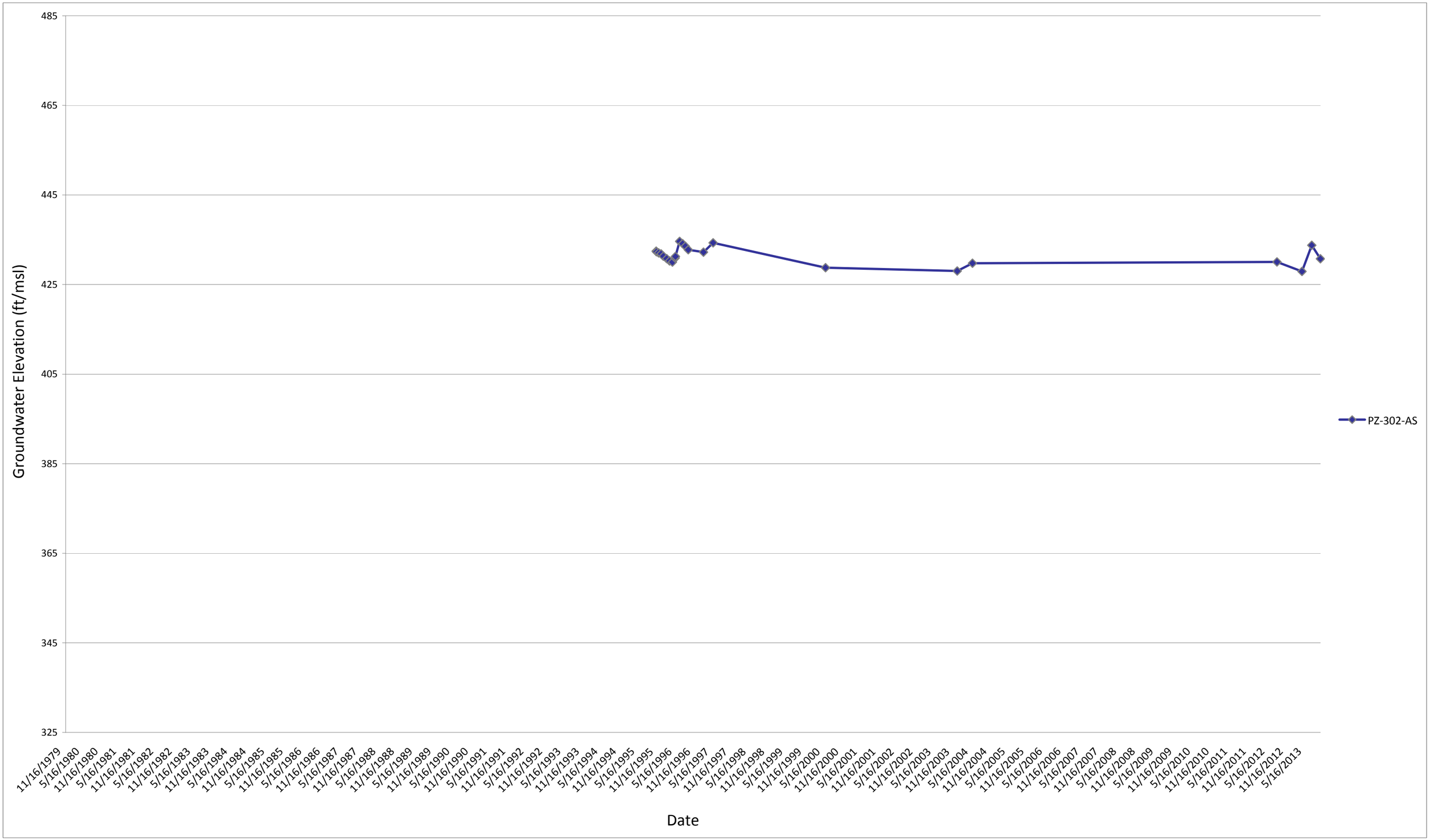
Groundwater Monitoring Well - PZ-300-AD
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-69



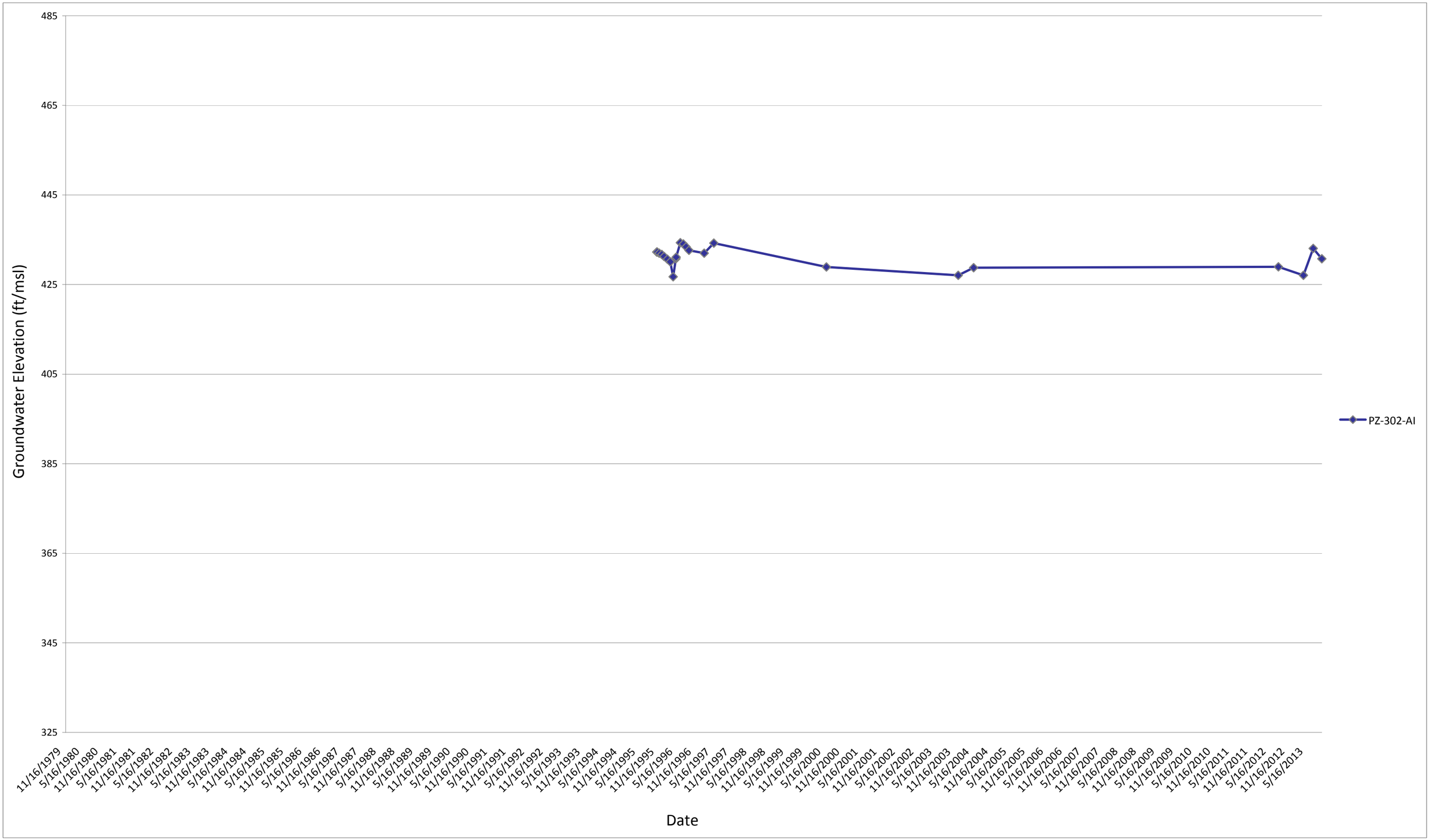
Groundwater Monitoring Well - PZ-302-AS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-70



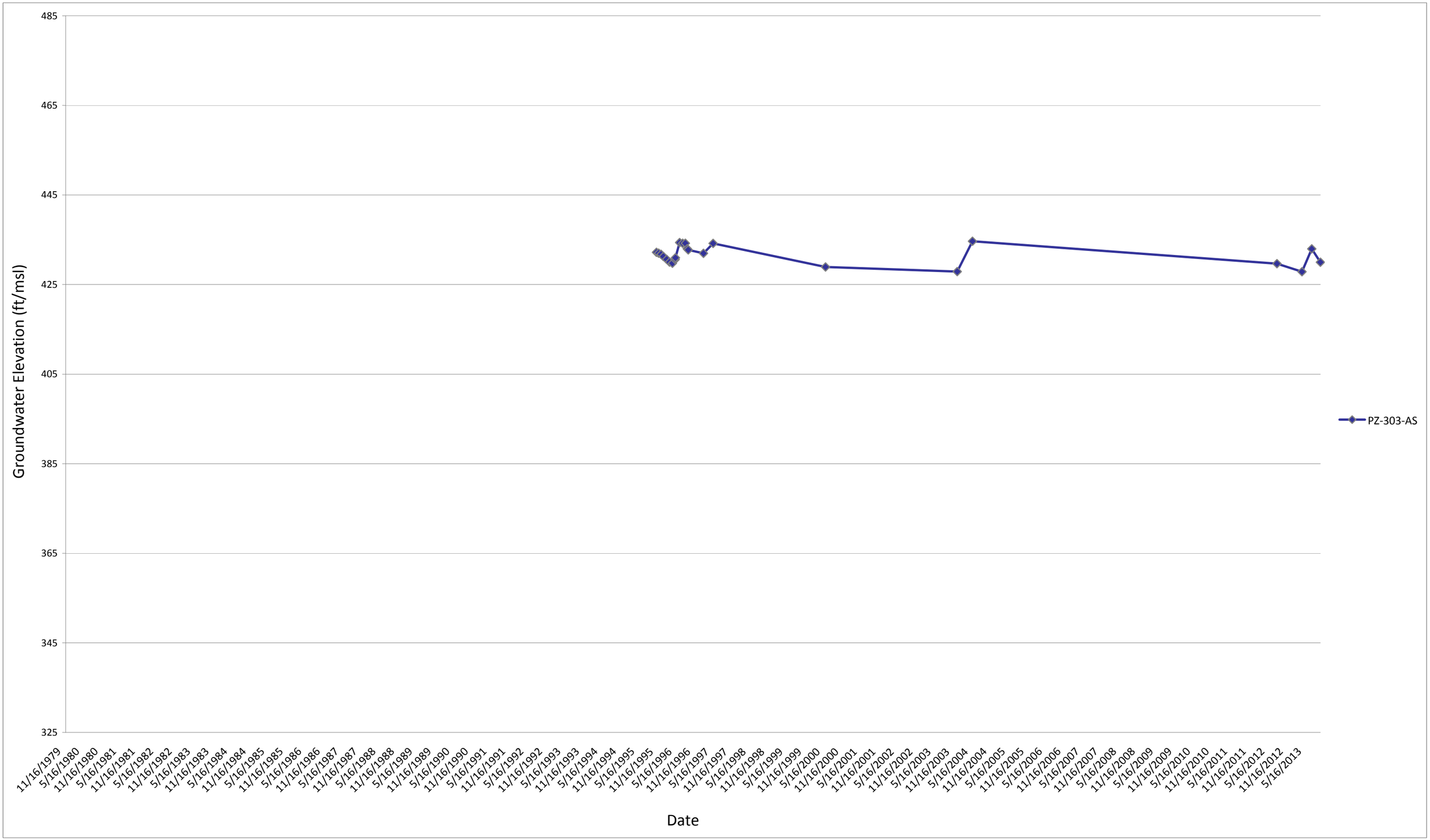
Groundwater Monitoring Well - PZ-302-AI
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-71



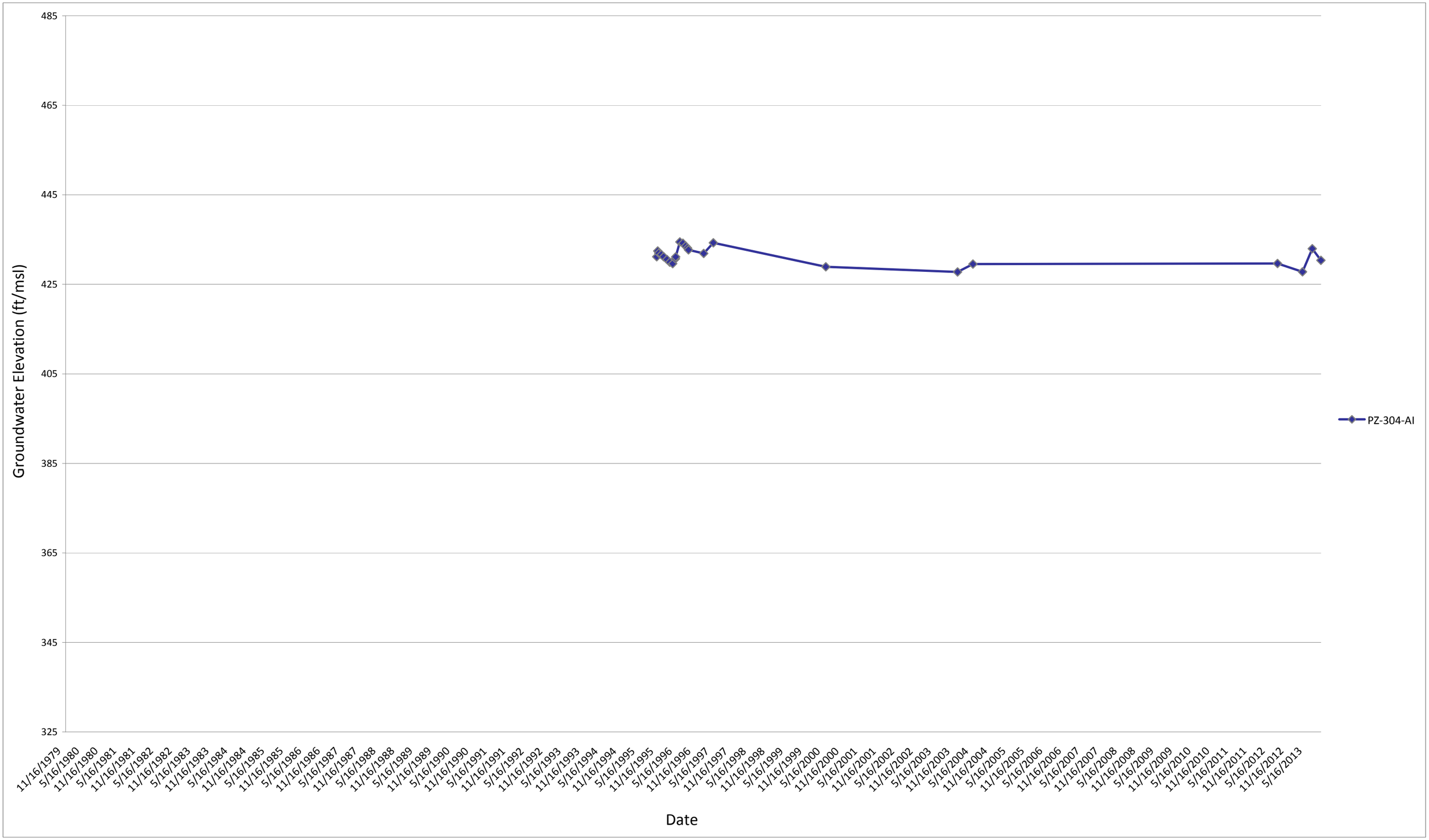
Groundwater Monitoring Well - PZ-303-AS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-72



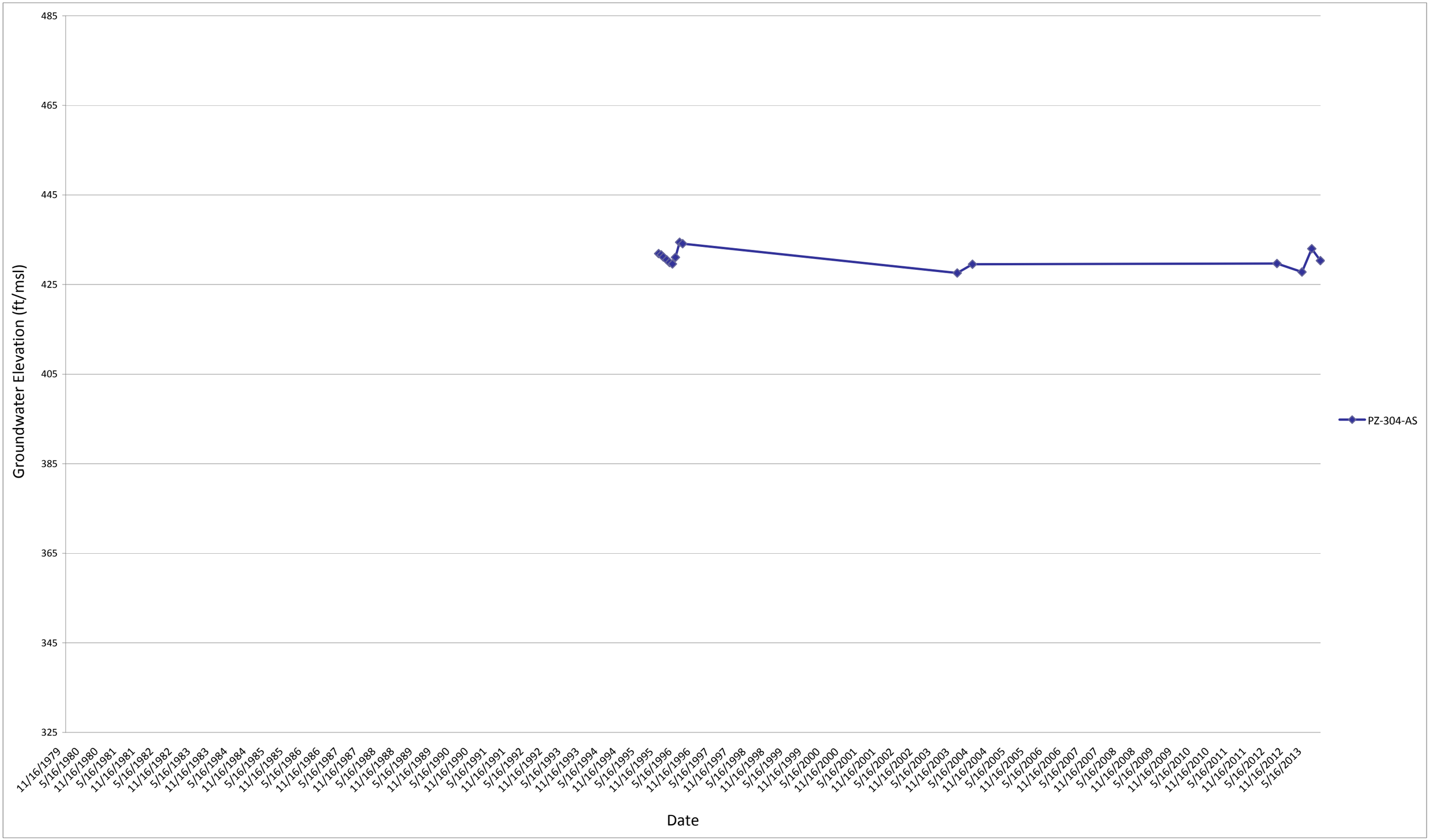
Groundwater Monitoring Well - PZ-304-AI
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-73



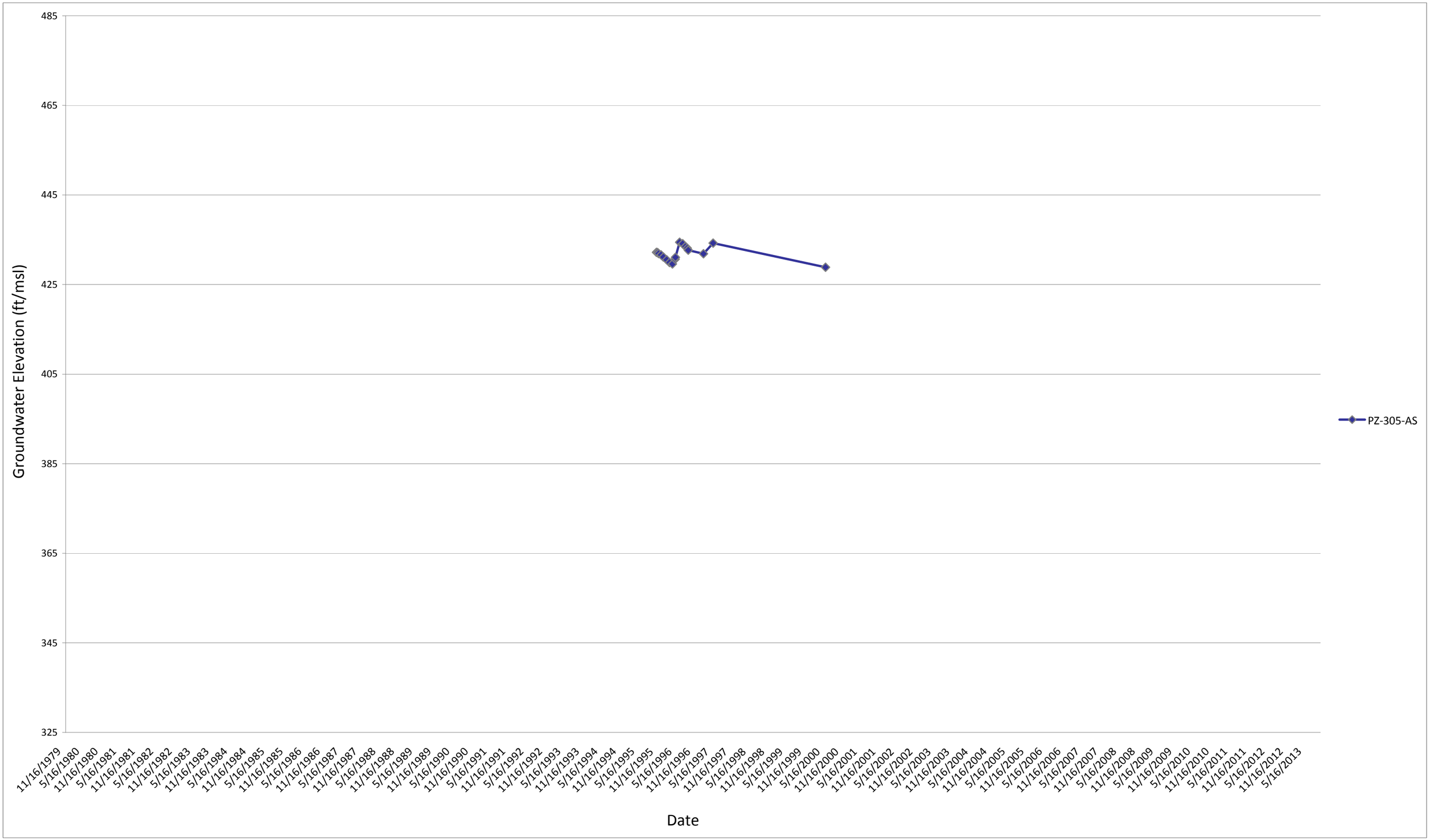
Groundwater Monitoring Well - PZ-304-AS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-74



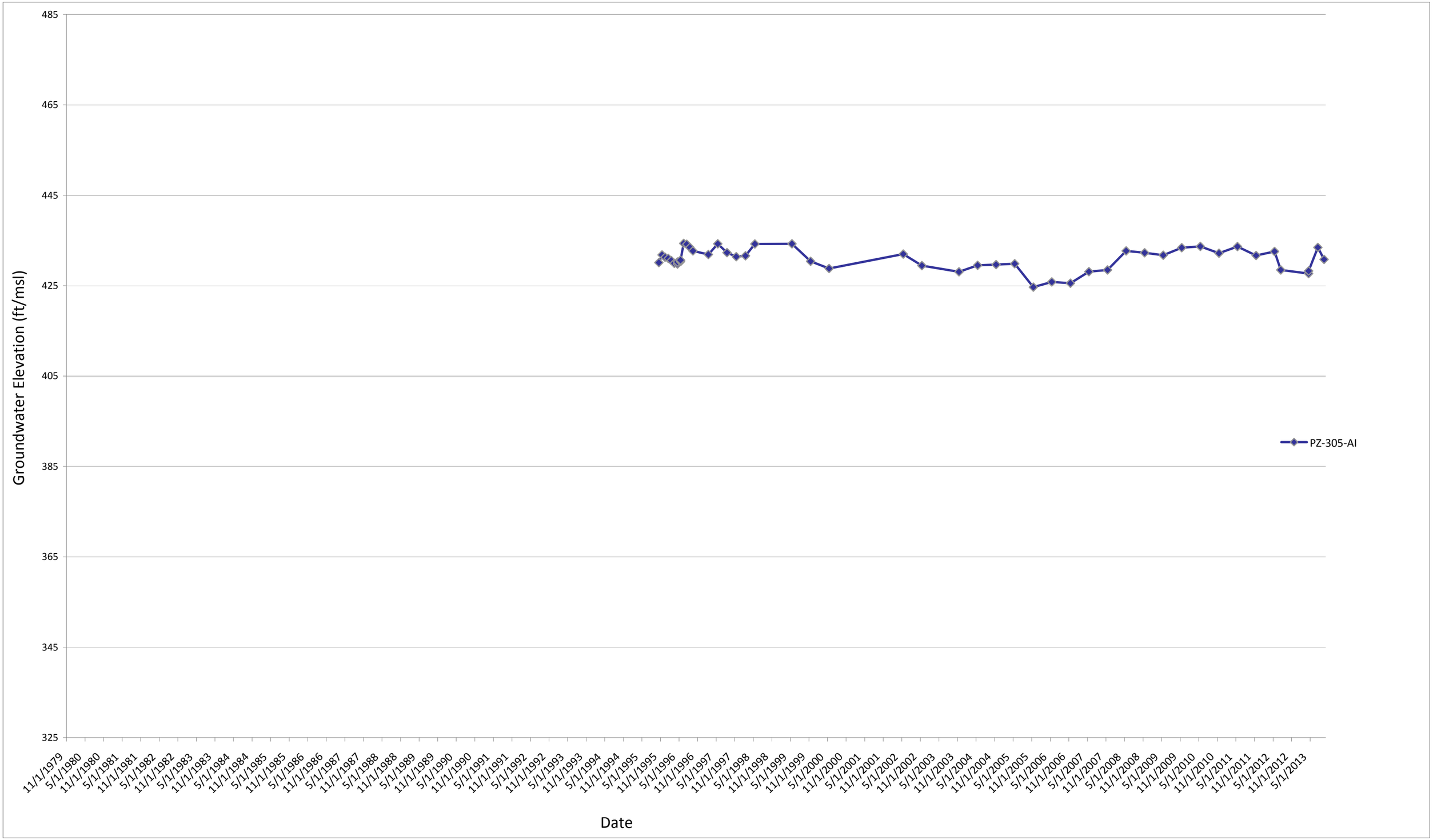
Groundwater Monitoring Well - PZ-305-AS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-75



Groundwater Monitoring Well - PZ-305-AI
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

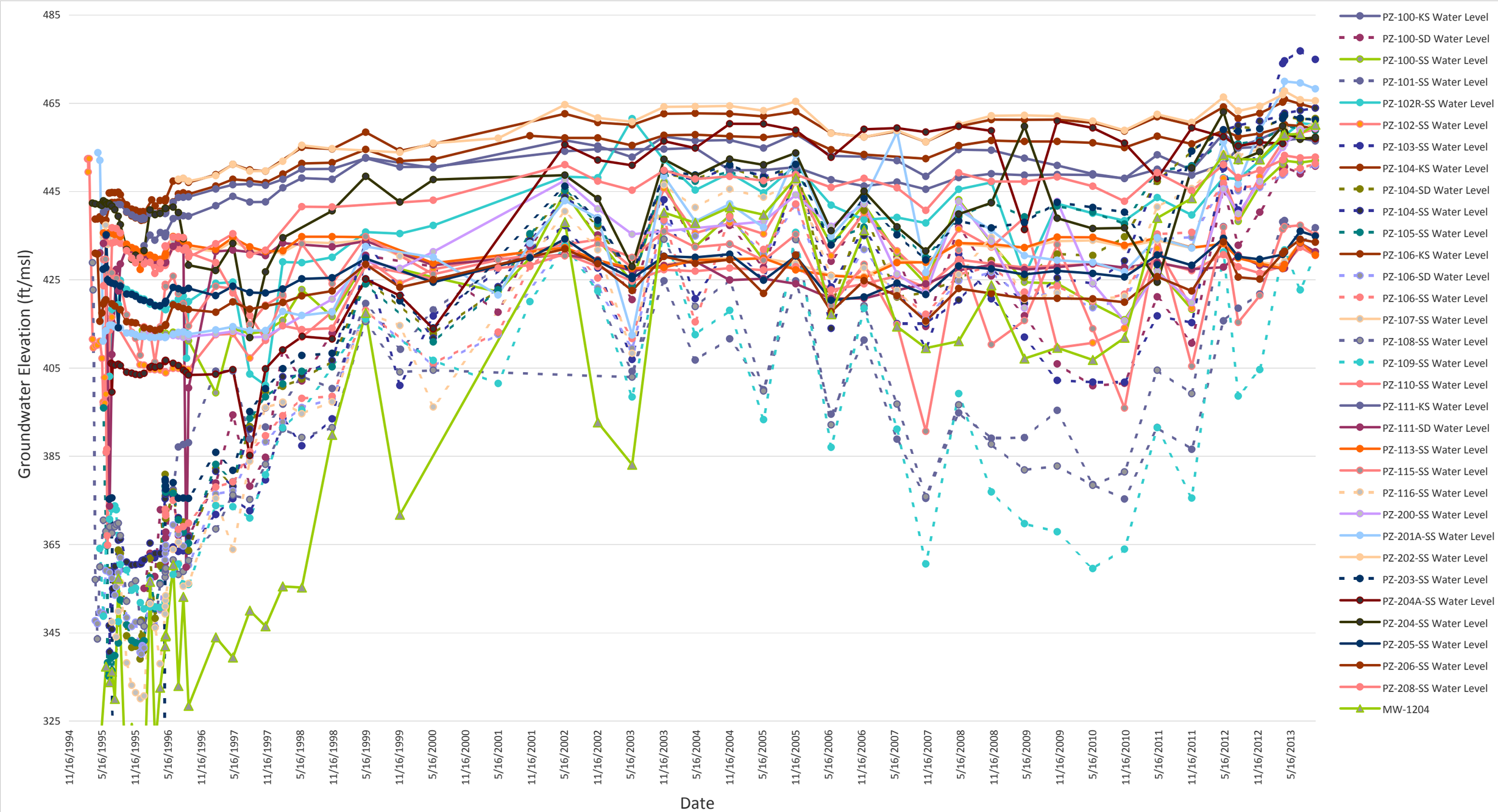
Figure J-76



Bedrock Wells

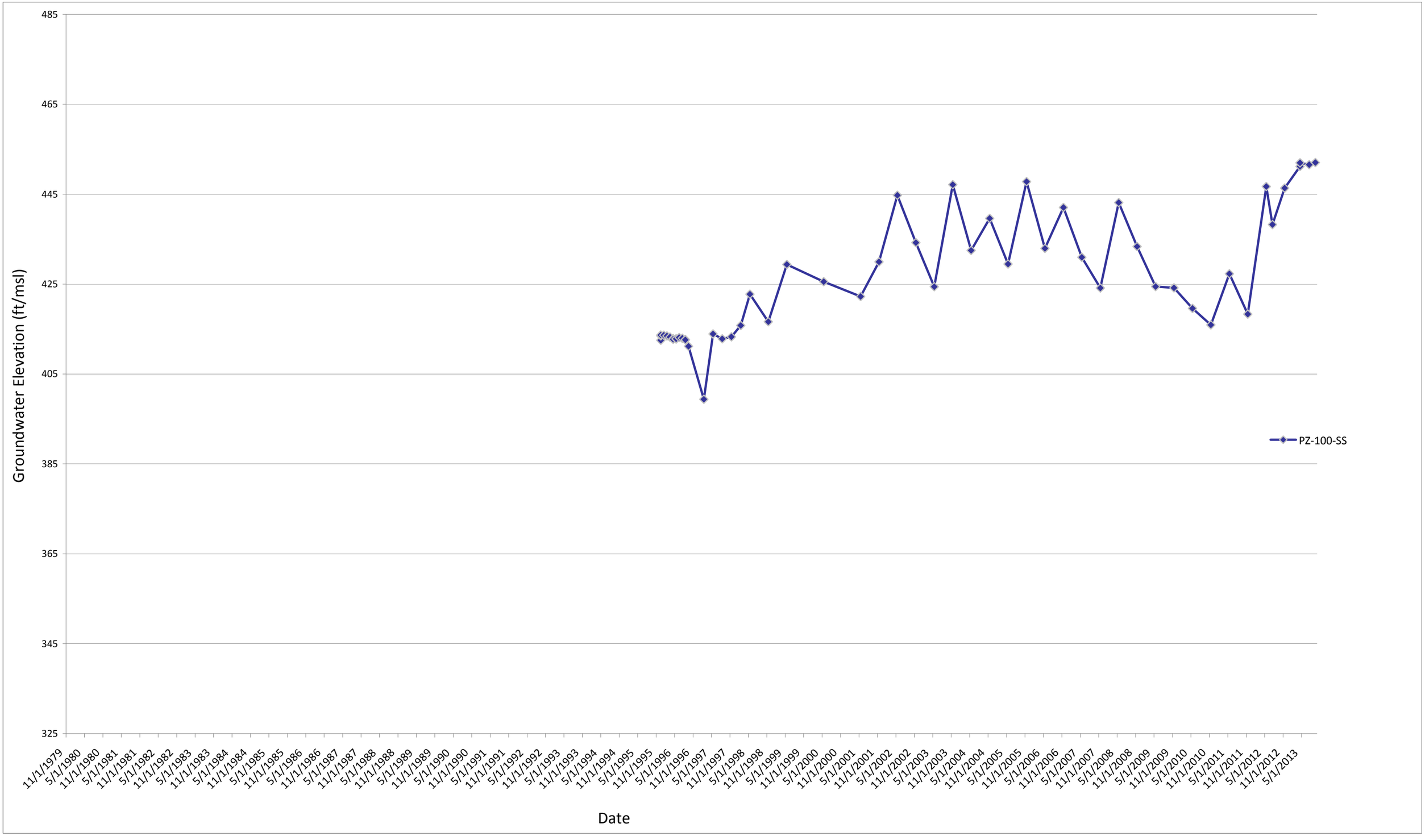
Groundwater Monitoring Wells - All Bedrock Wells
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-77



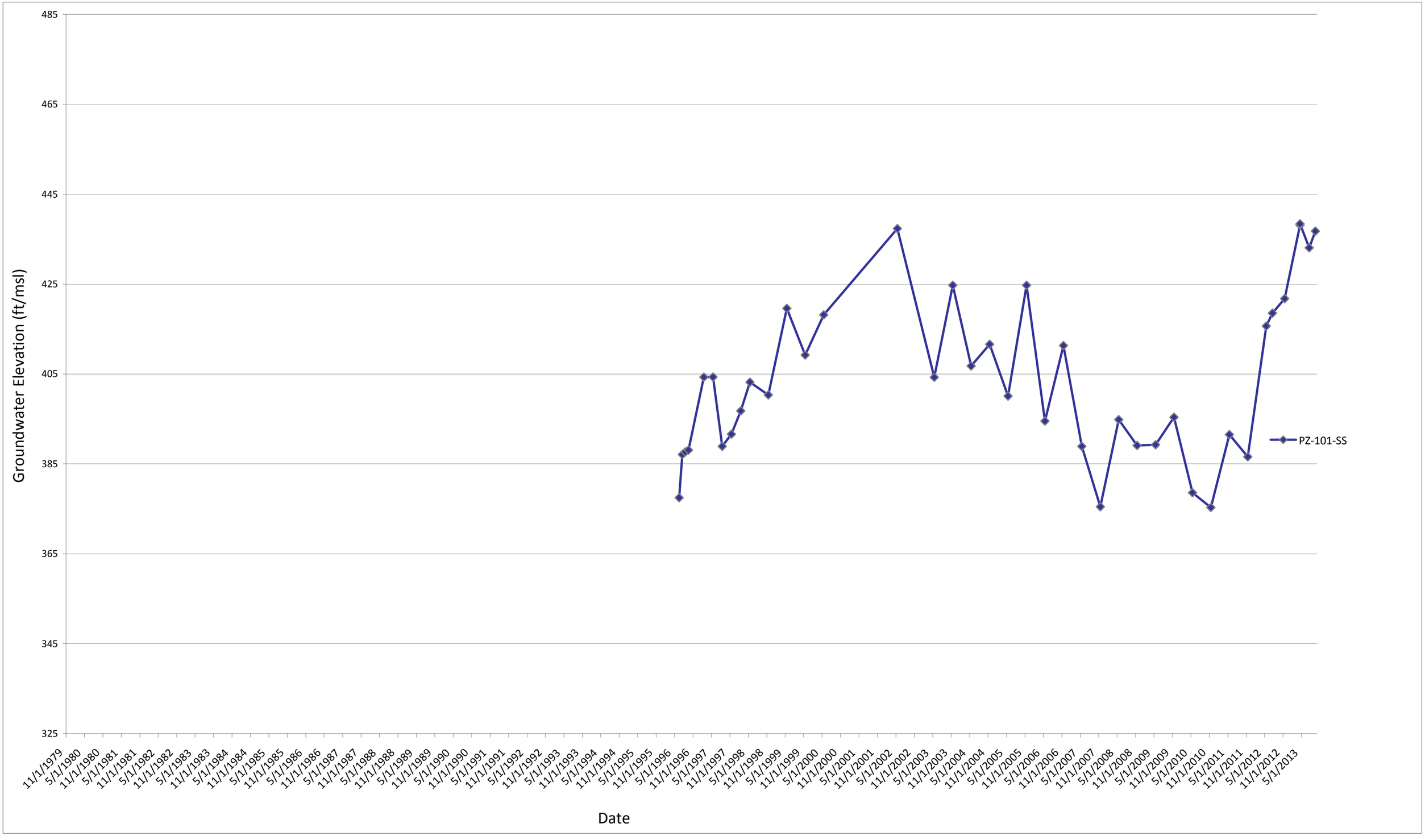
Groundwater Monitoring Well - PZ-100-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-78



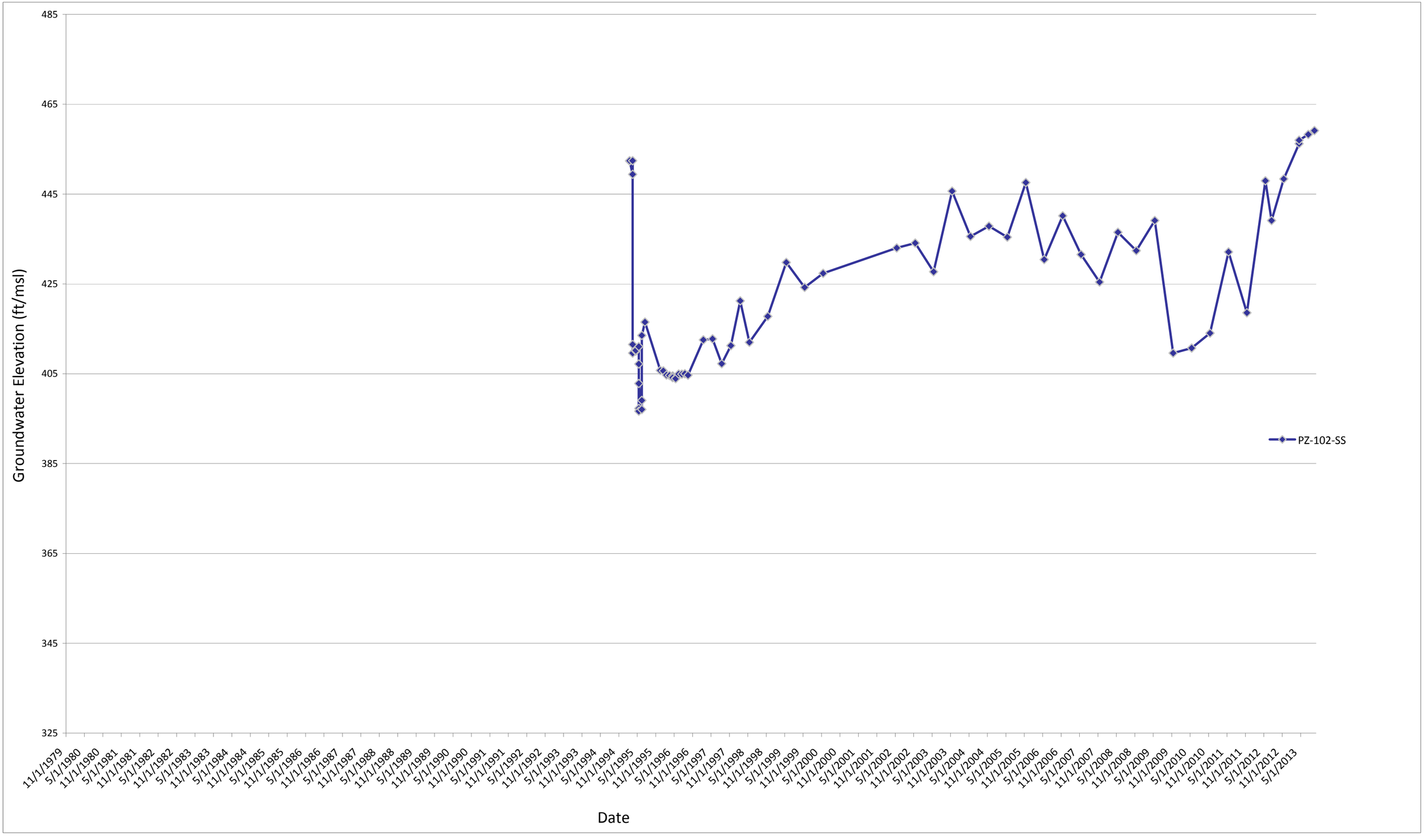
Groundwater Monitoring Well - PZ-101-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-79



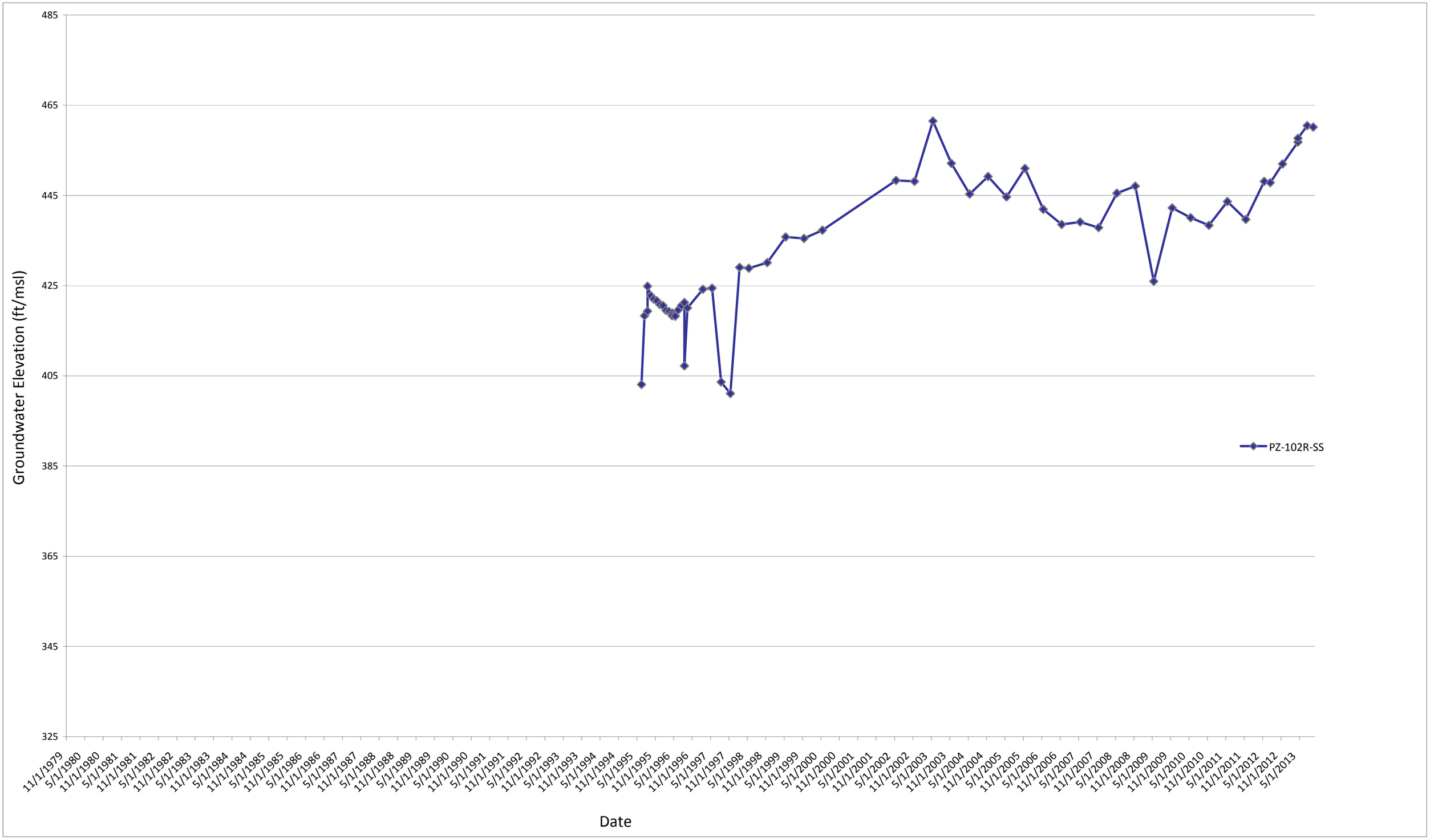
Groundwater Monitoring Well - PZ-102-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-80



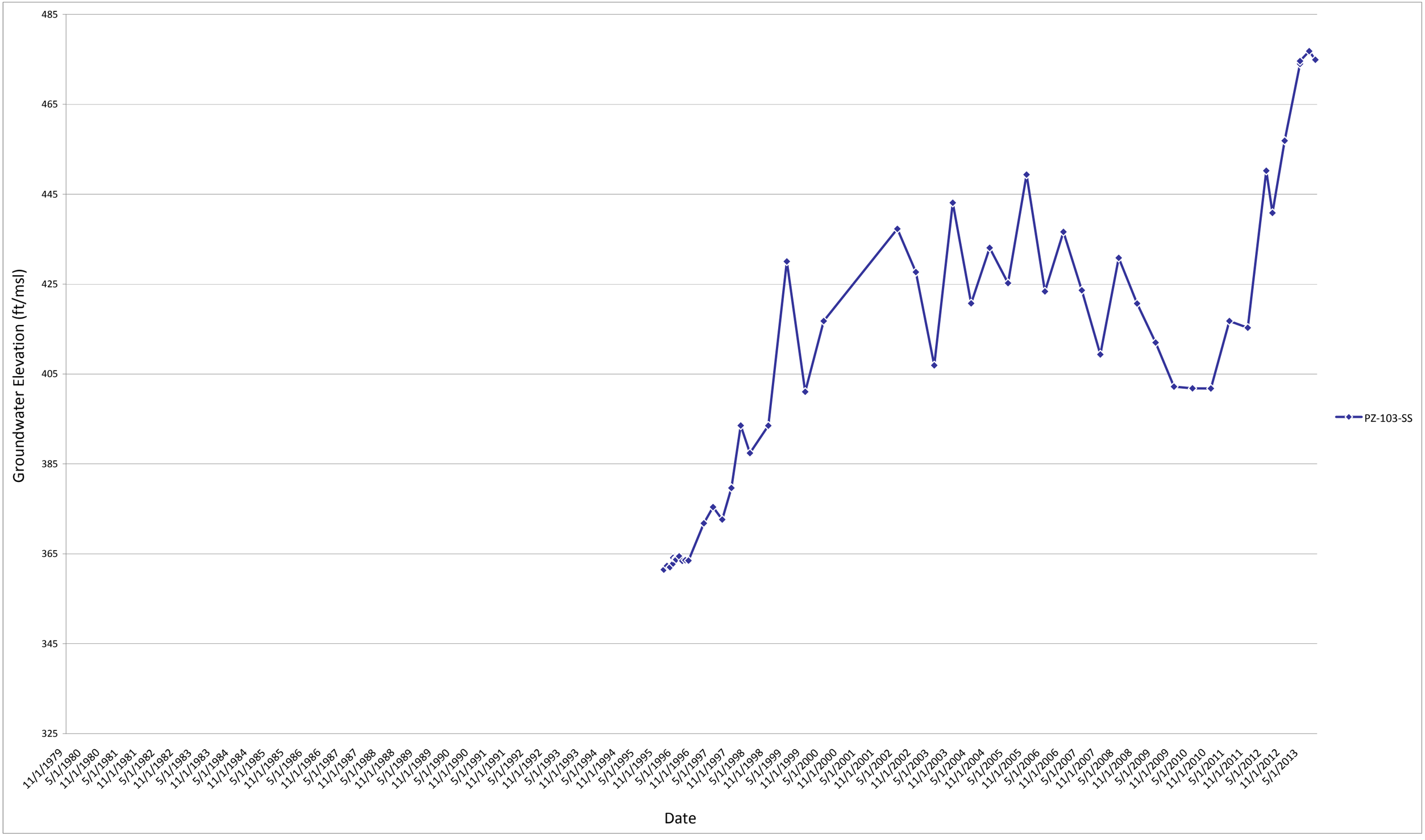
Groundwater Monitoring Well - PZ-102R-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-81



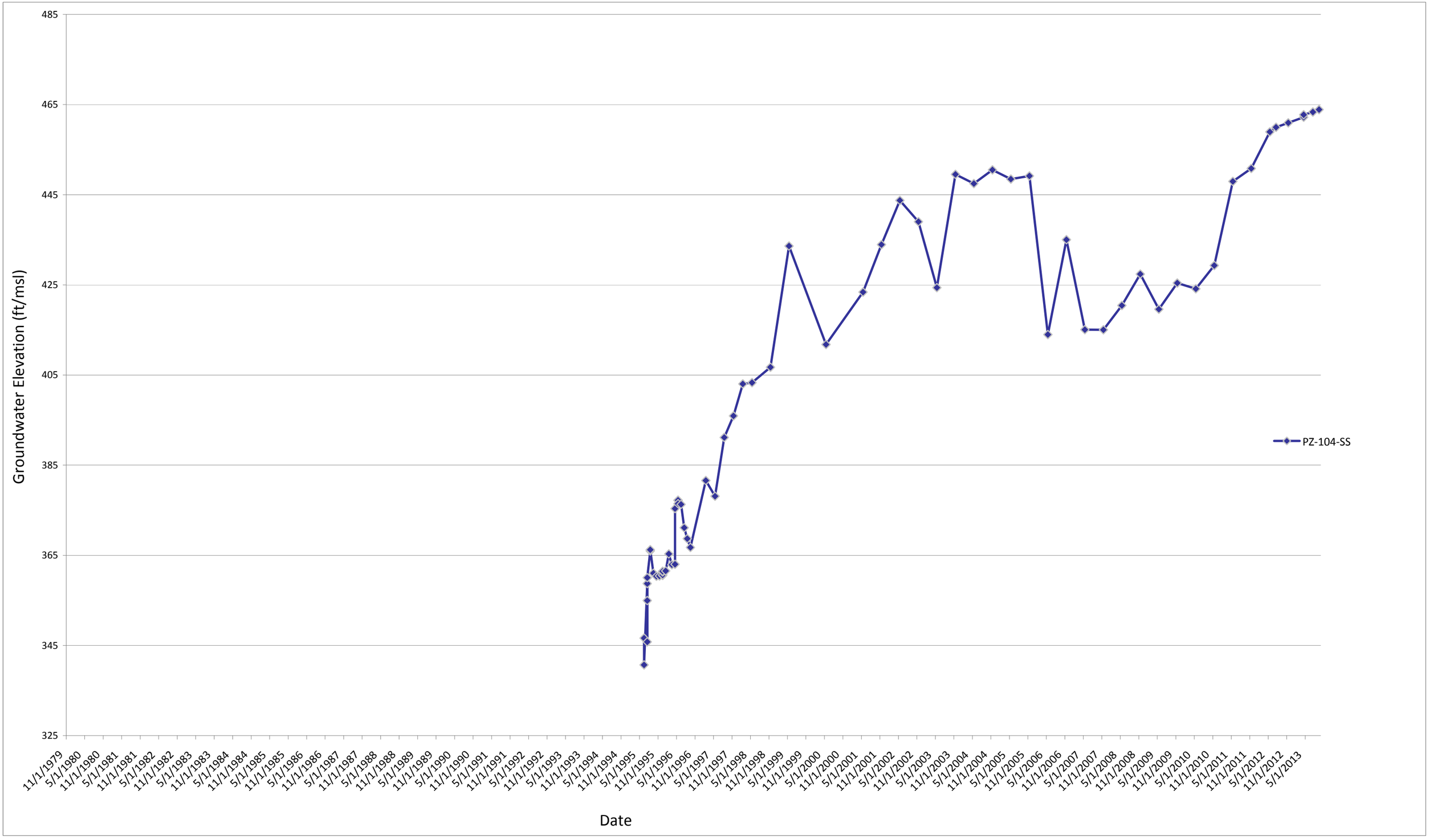
Groundwater Monitoring Well - PZ-103-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-82



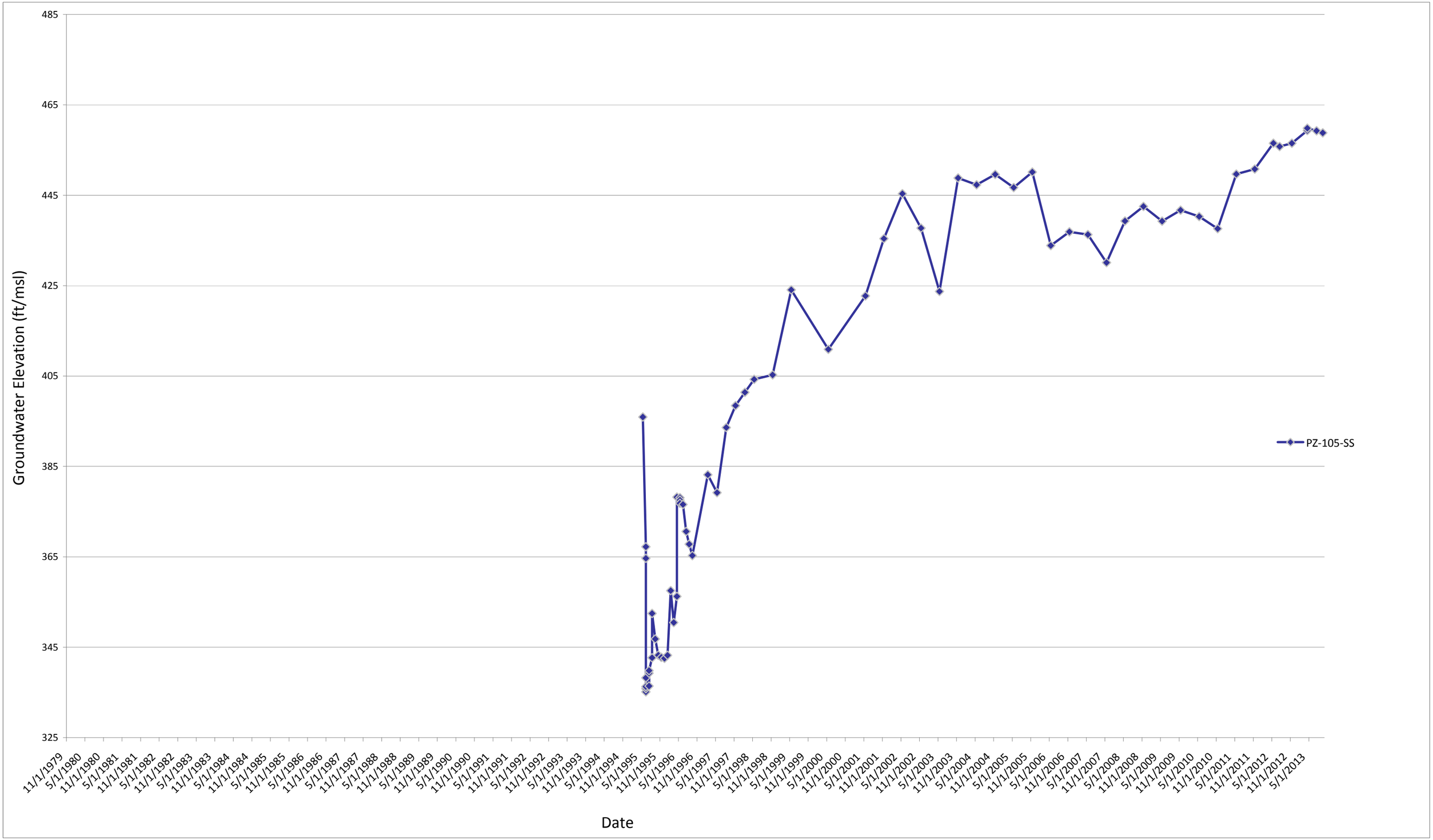
Groundwater Monitoring Well - PZ-104-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-83



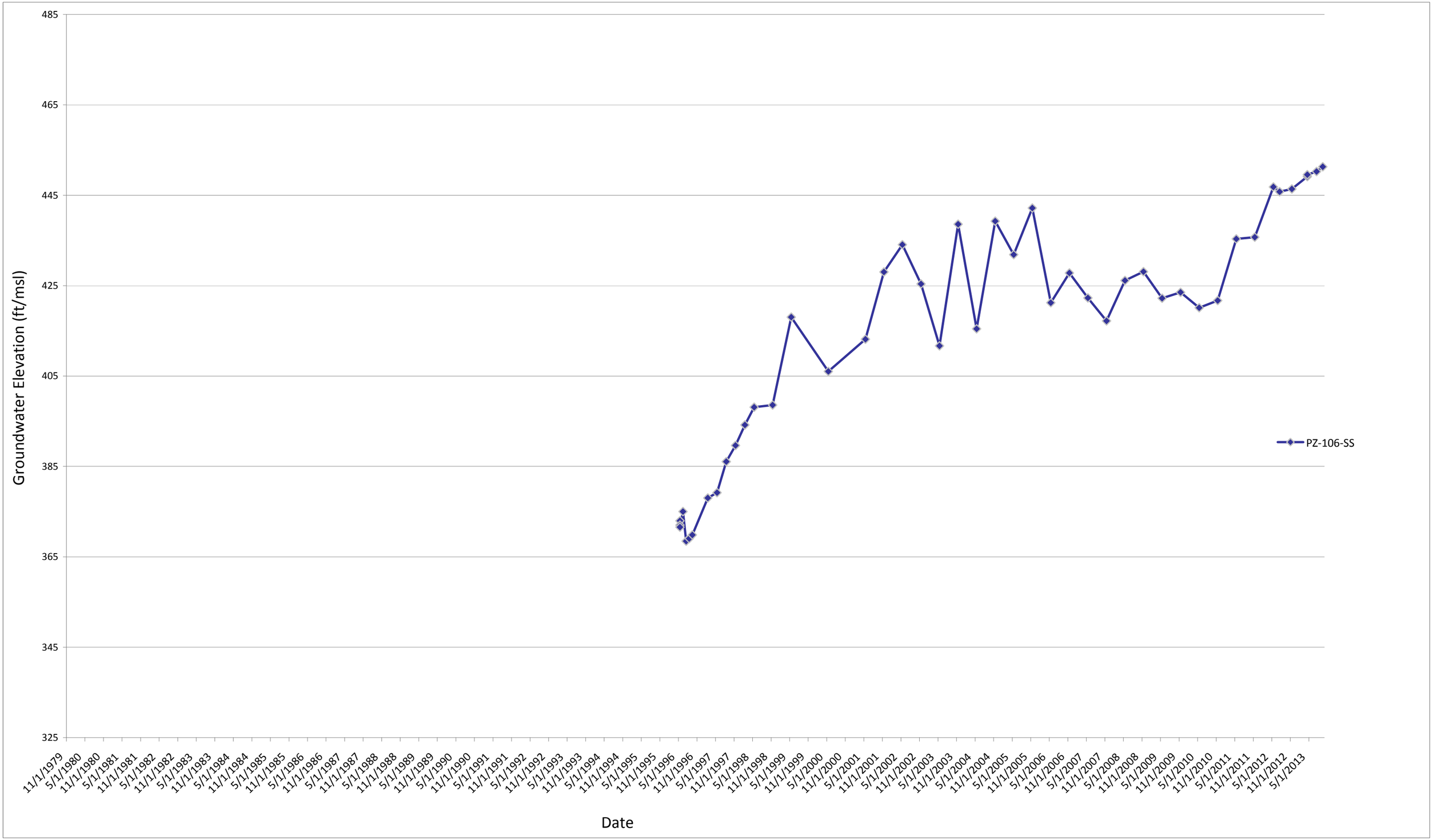
Groundwater Monitoring Well - PZ-105-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-84



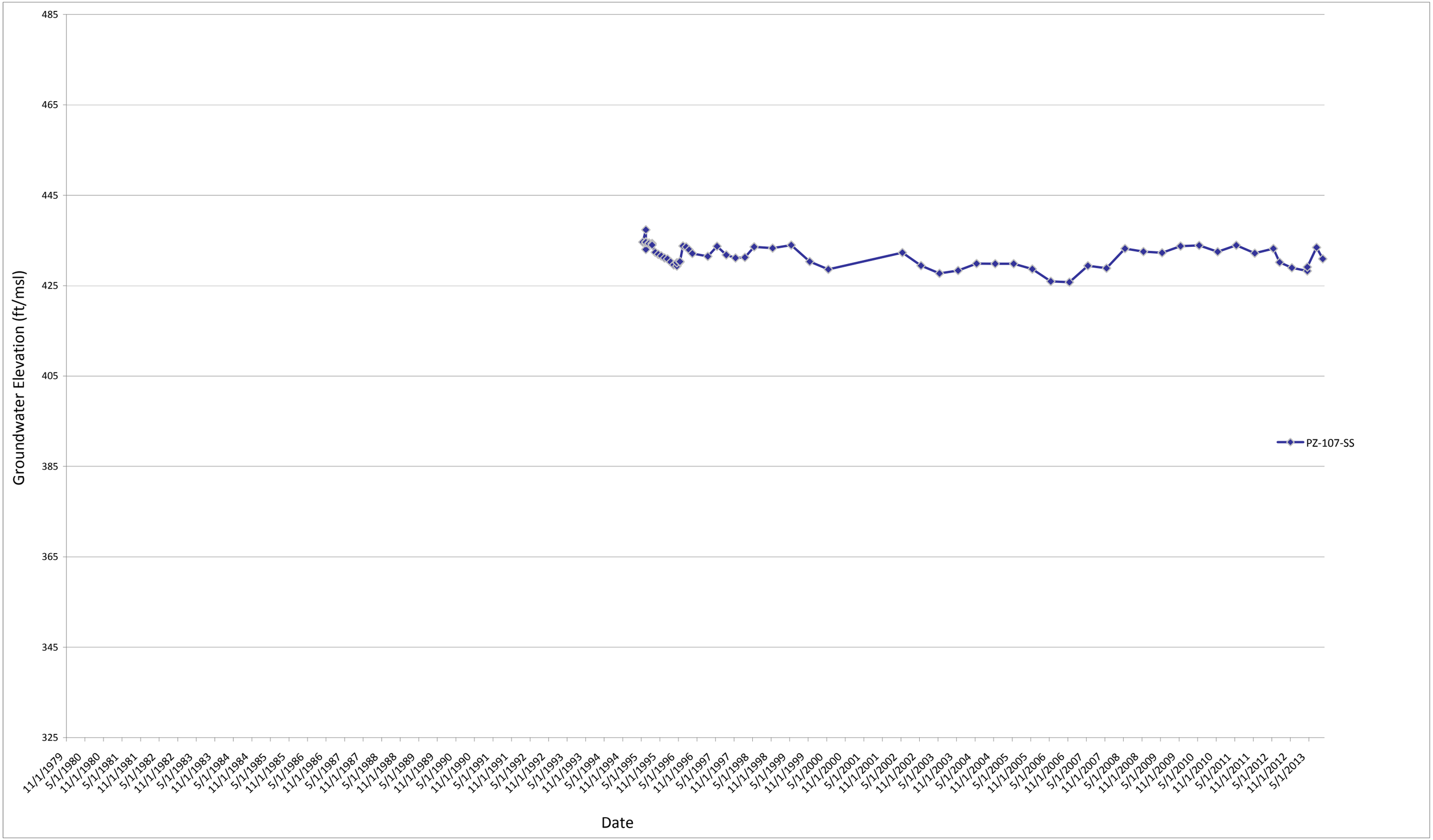
Groundwater Monitoring Well - PZ-106-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-85



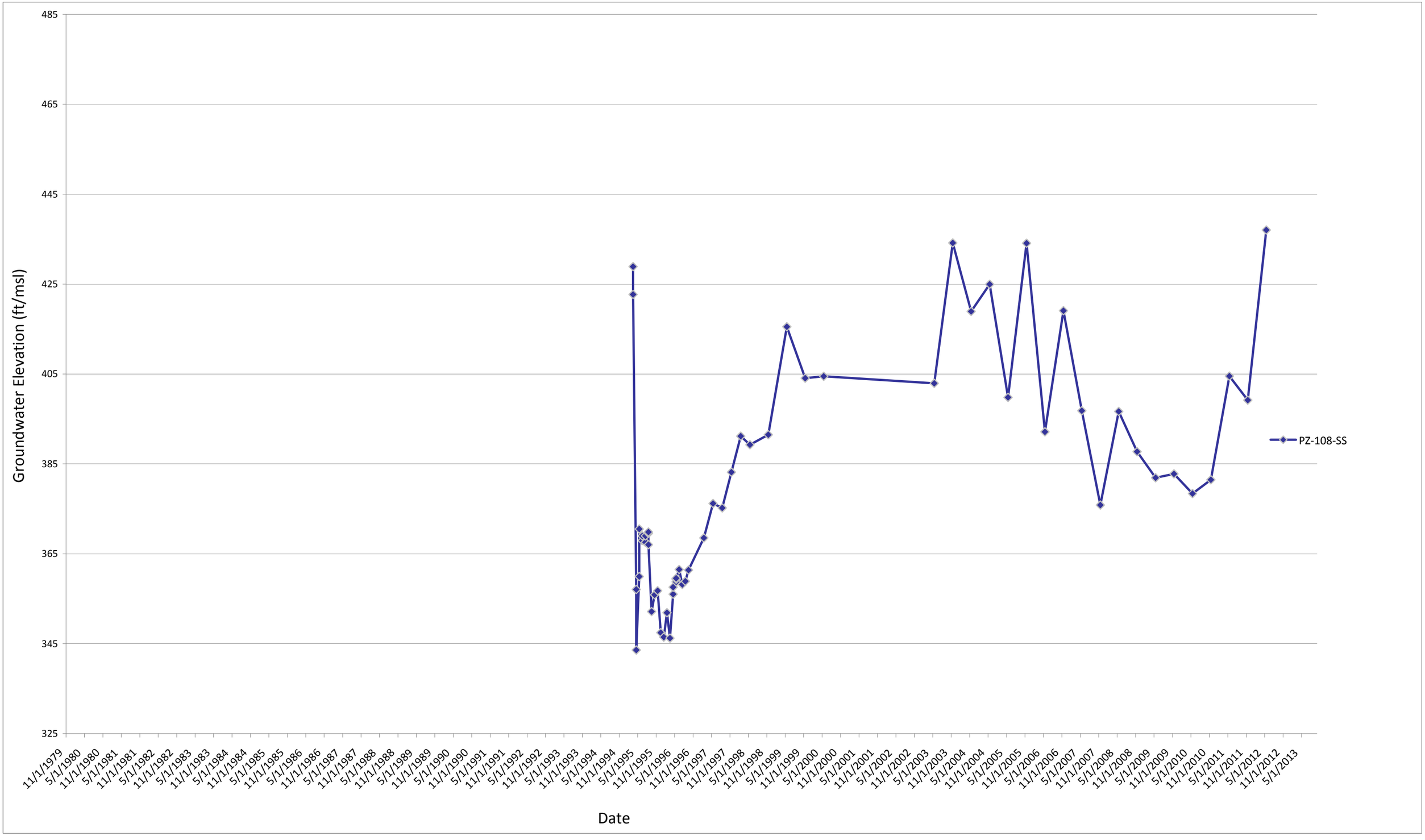
Groundwater Monitoring Well - PZ-107-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-86



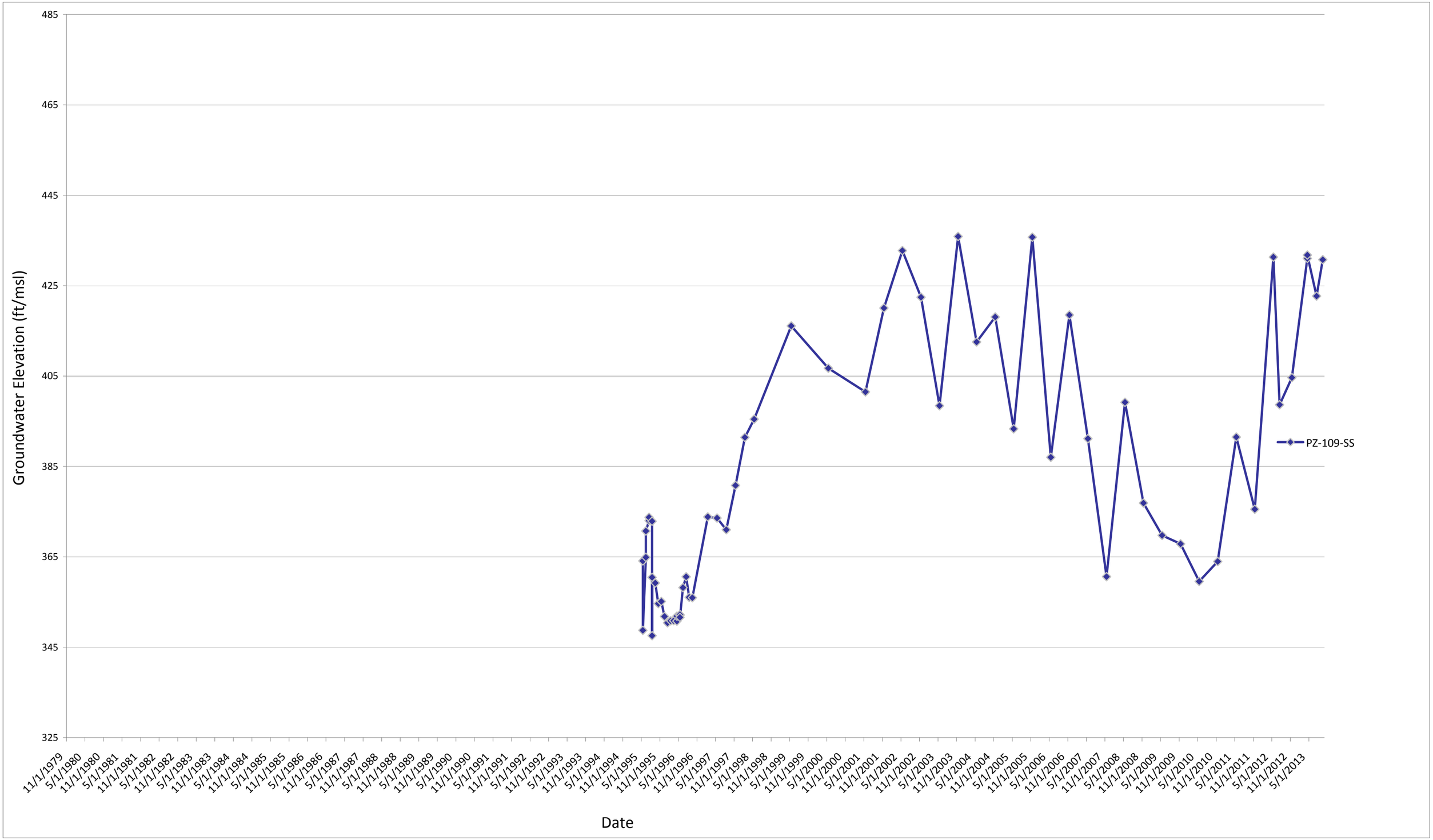
Groundwater Monitoring Well - PZ-108-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-87



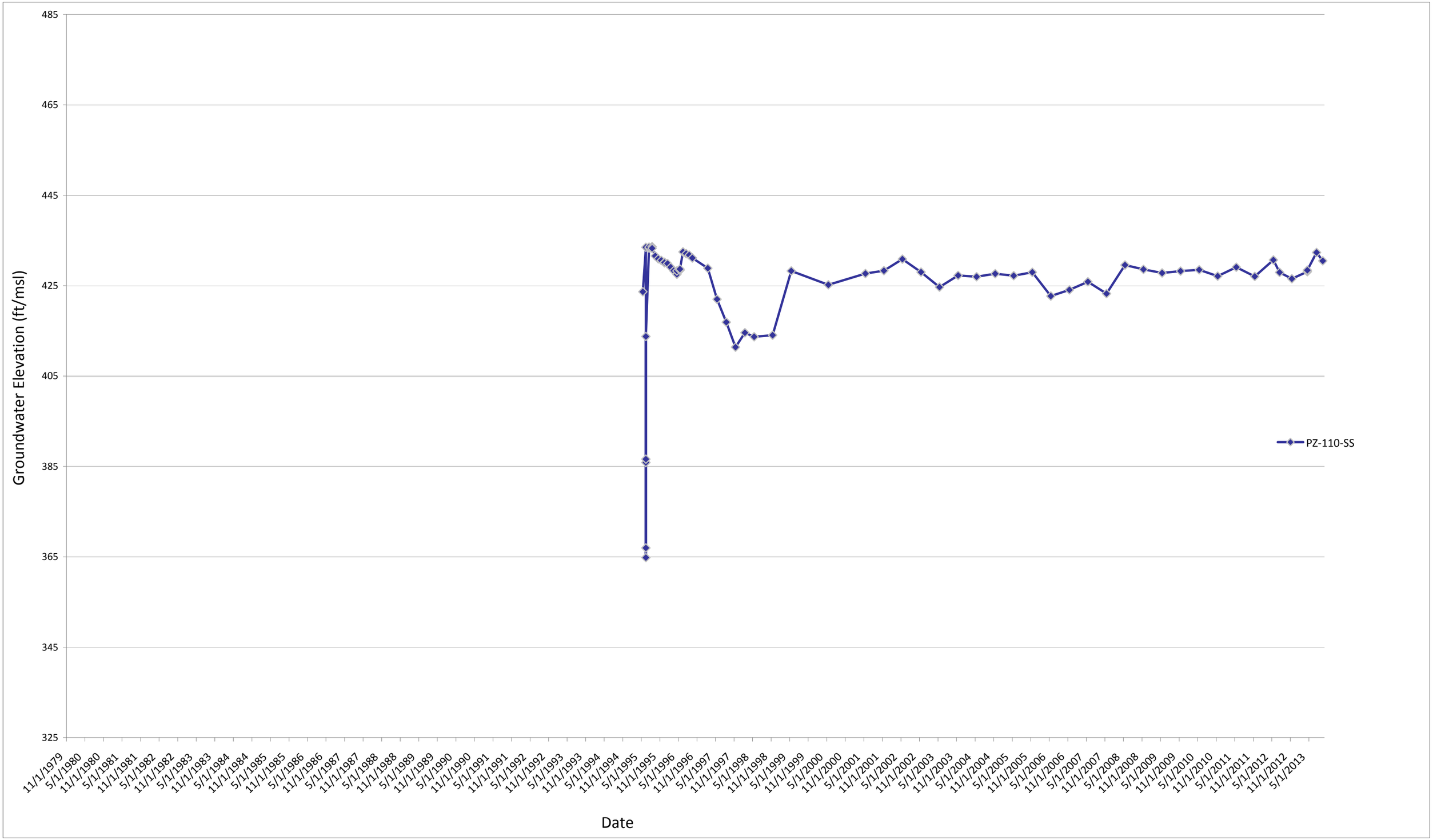
Groundwater Monitoring Well - PZ-109-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-88



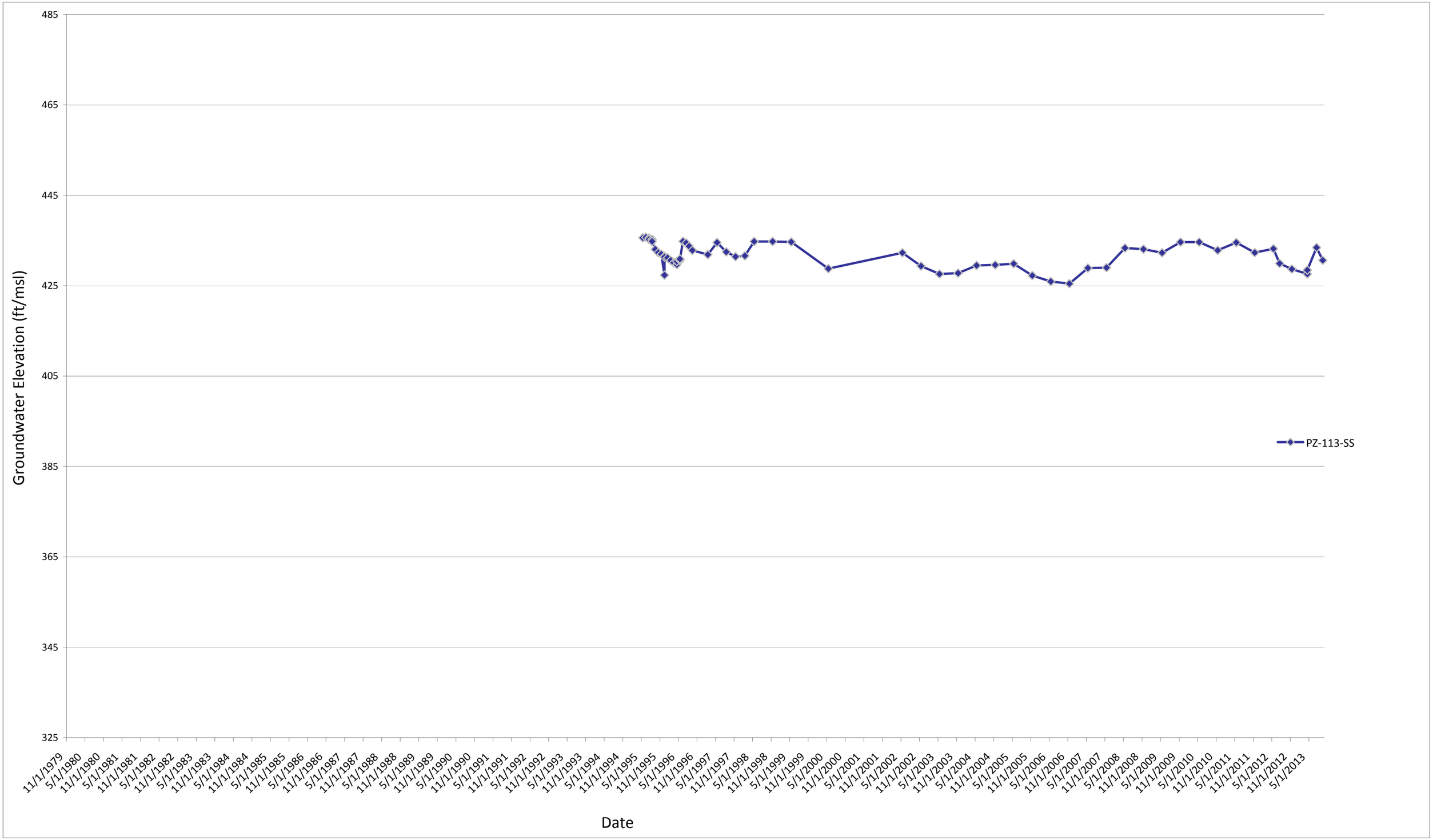
Groundwater Monitoring Well - PZ-110-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-89



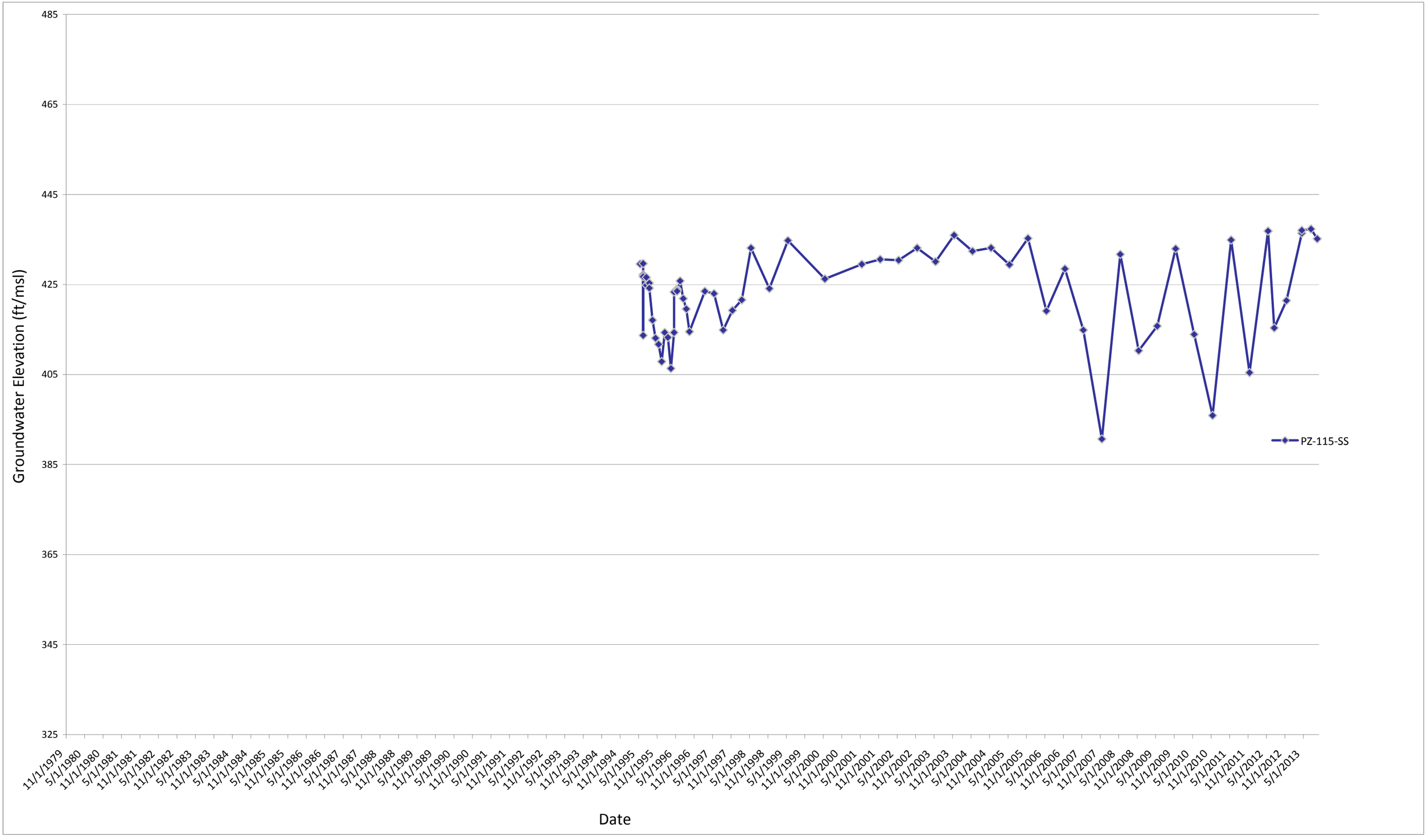
Groundwater Monitoring Well - PZ-113-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-90



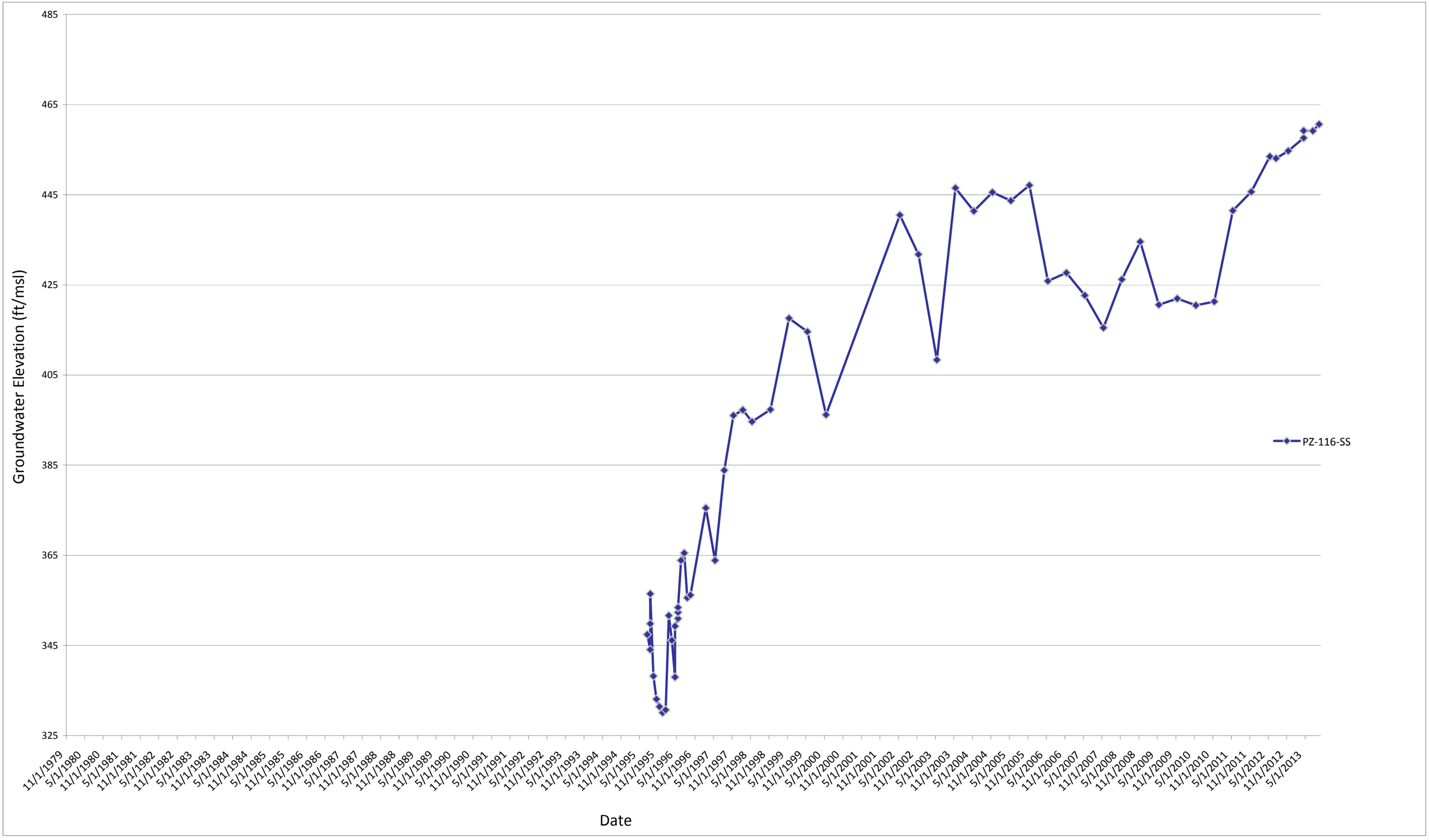
Groundwater Monitoring Well - PZ-115-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-91



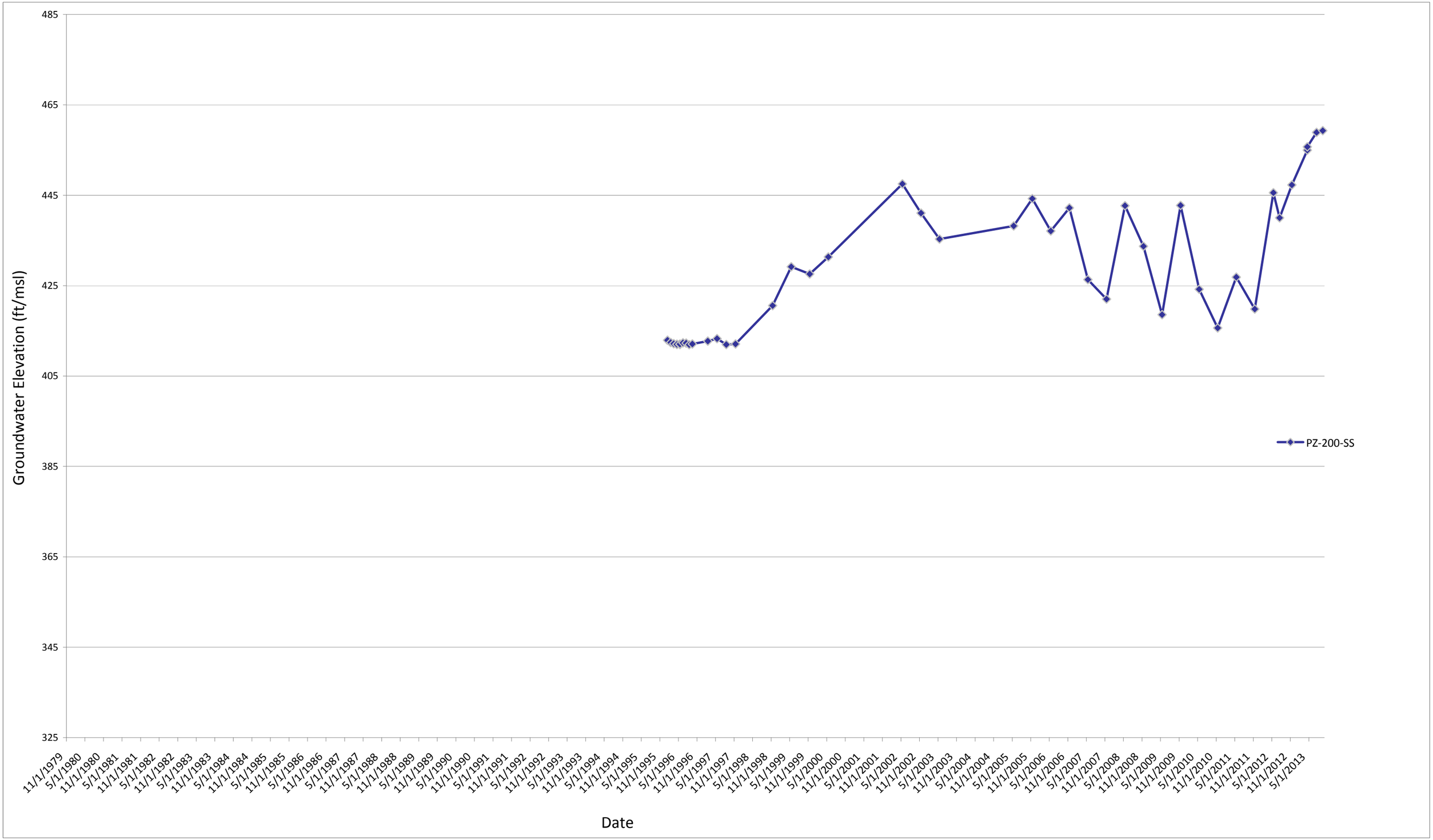
Groundwater Monitoring Well - PZ-116-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-92



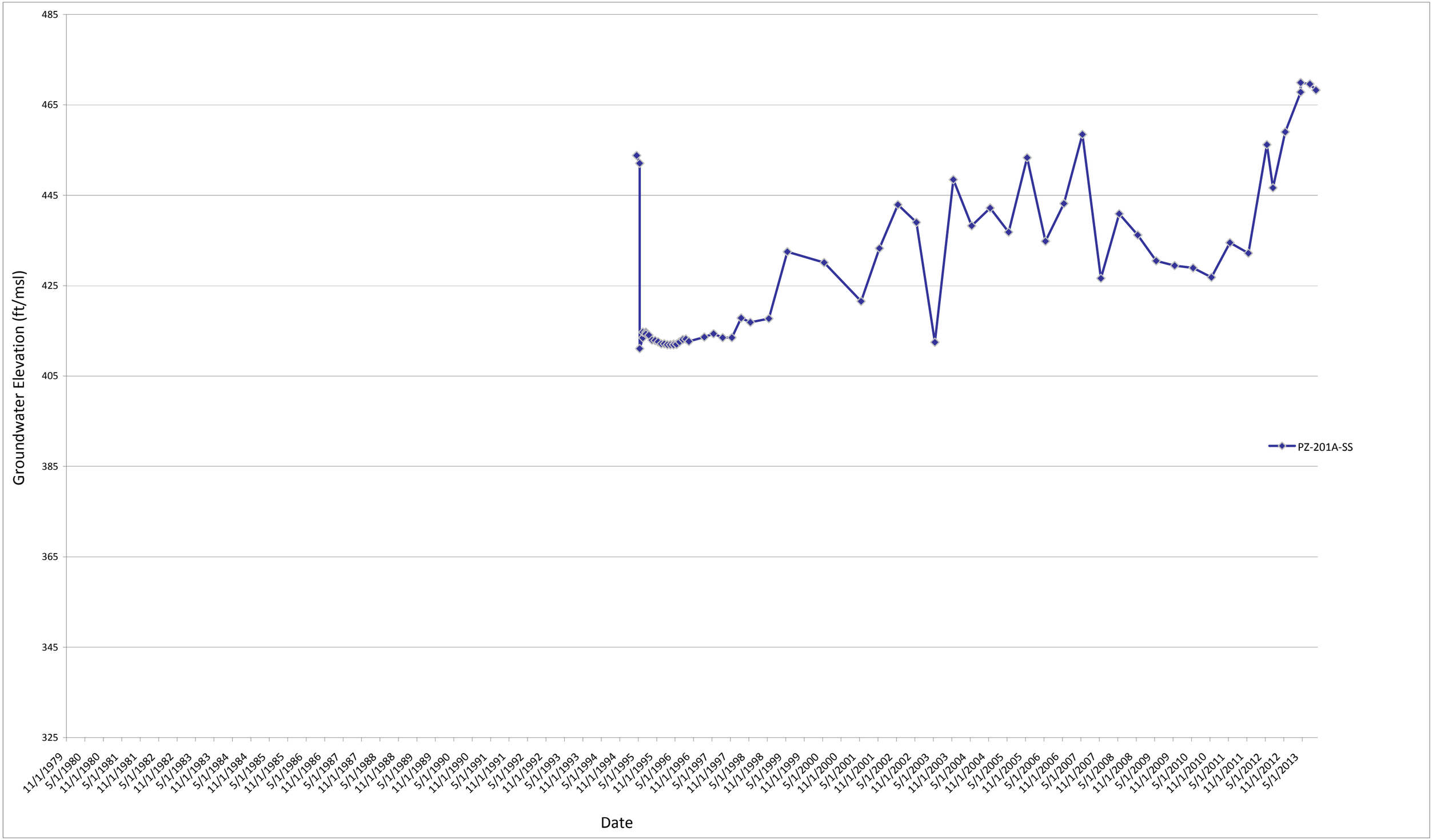
Groundwater Monitoring Well - PZ-200-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-93



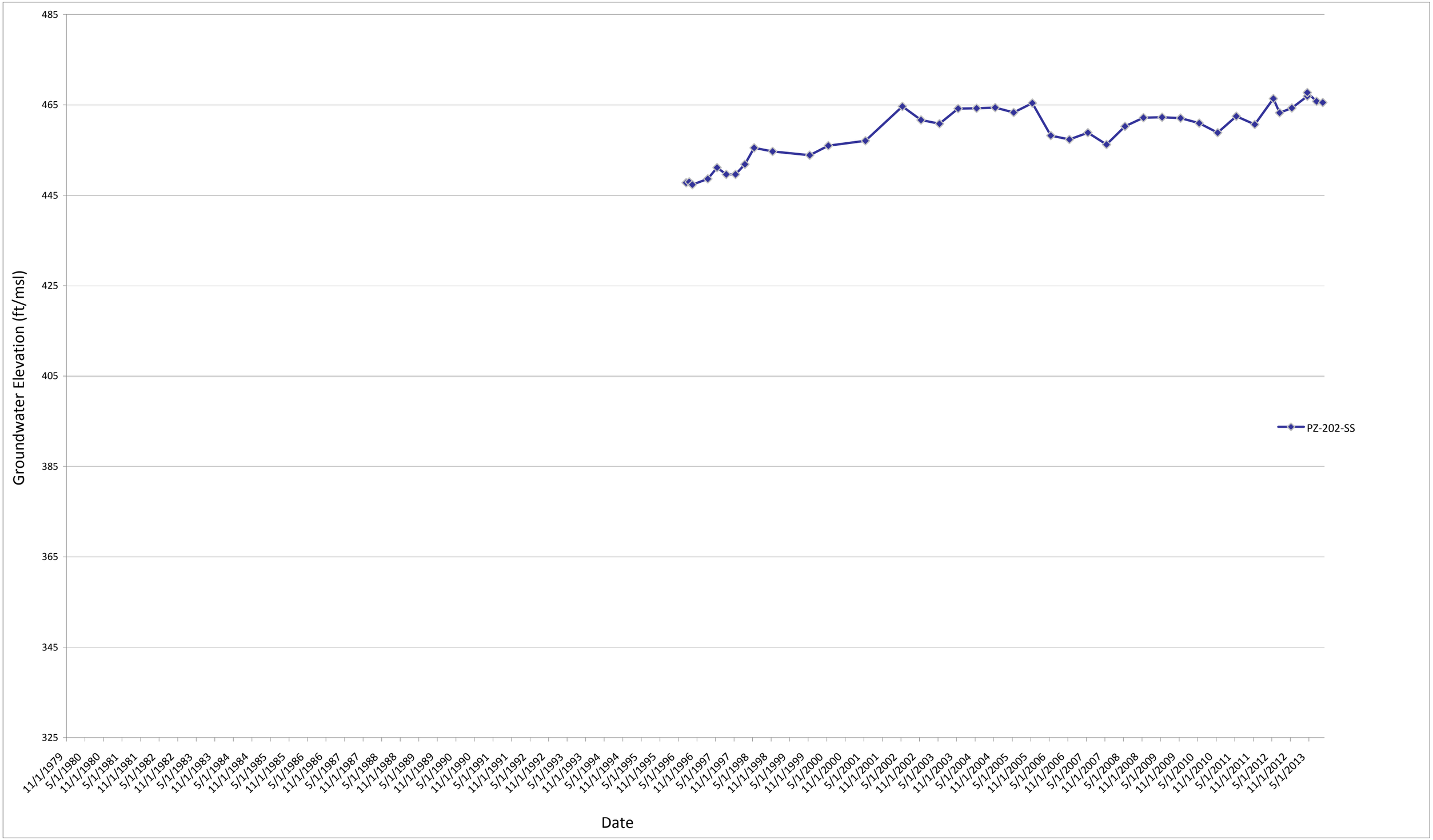
Groundwater Monitoring Well - PZ-201A-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-94



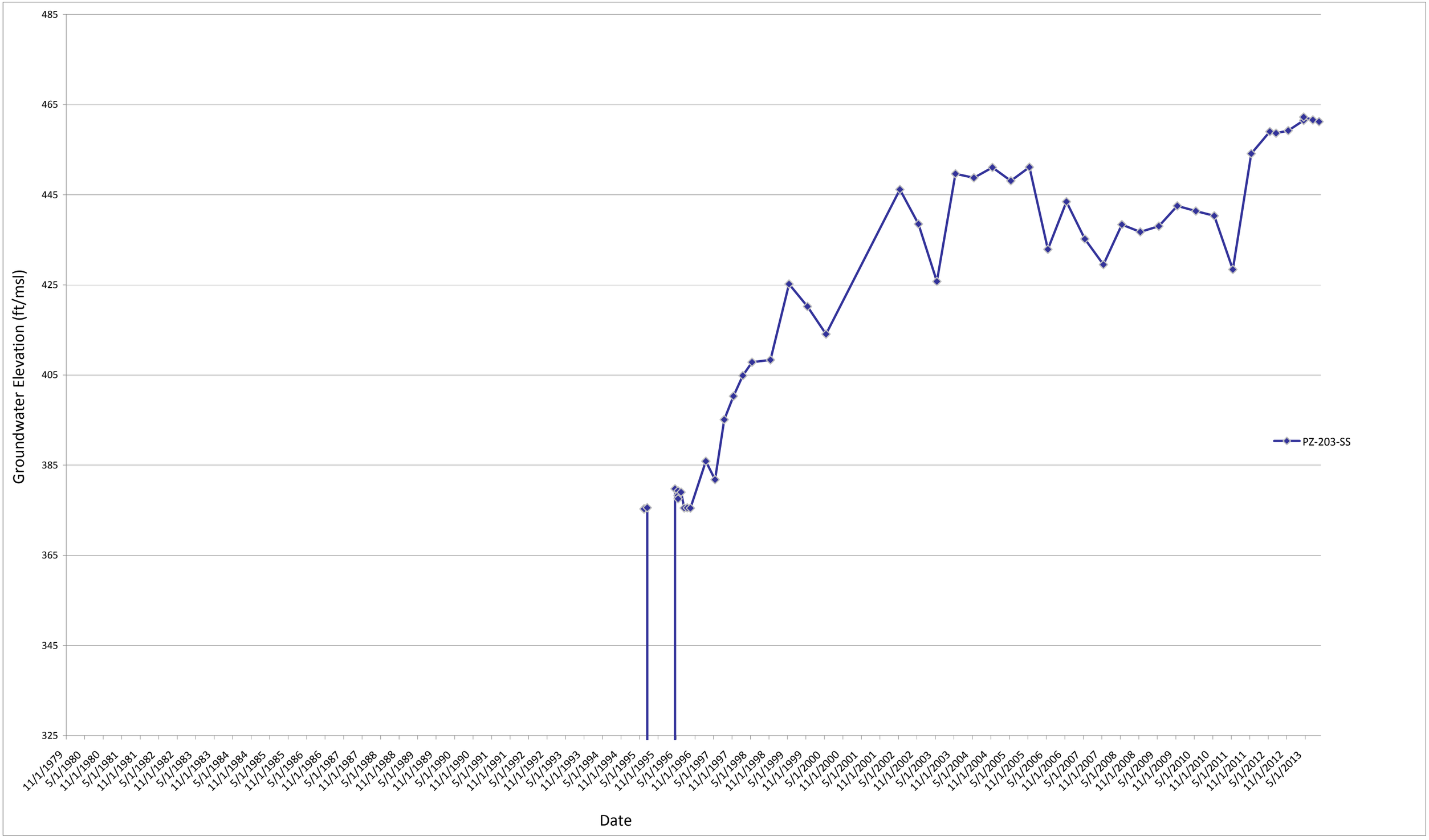
Groundwater Monitoring Well - PZ-202-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-95



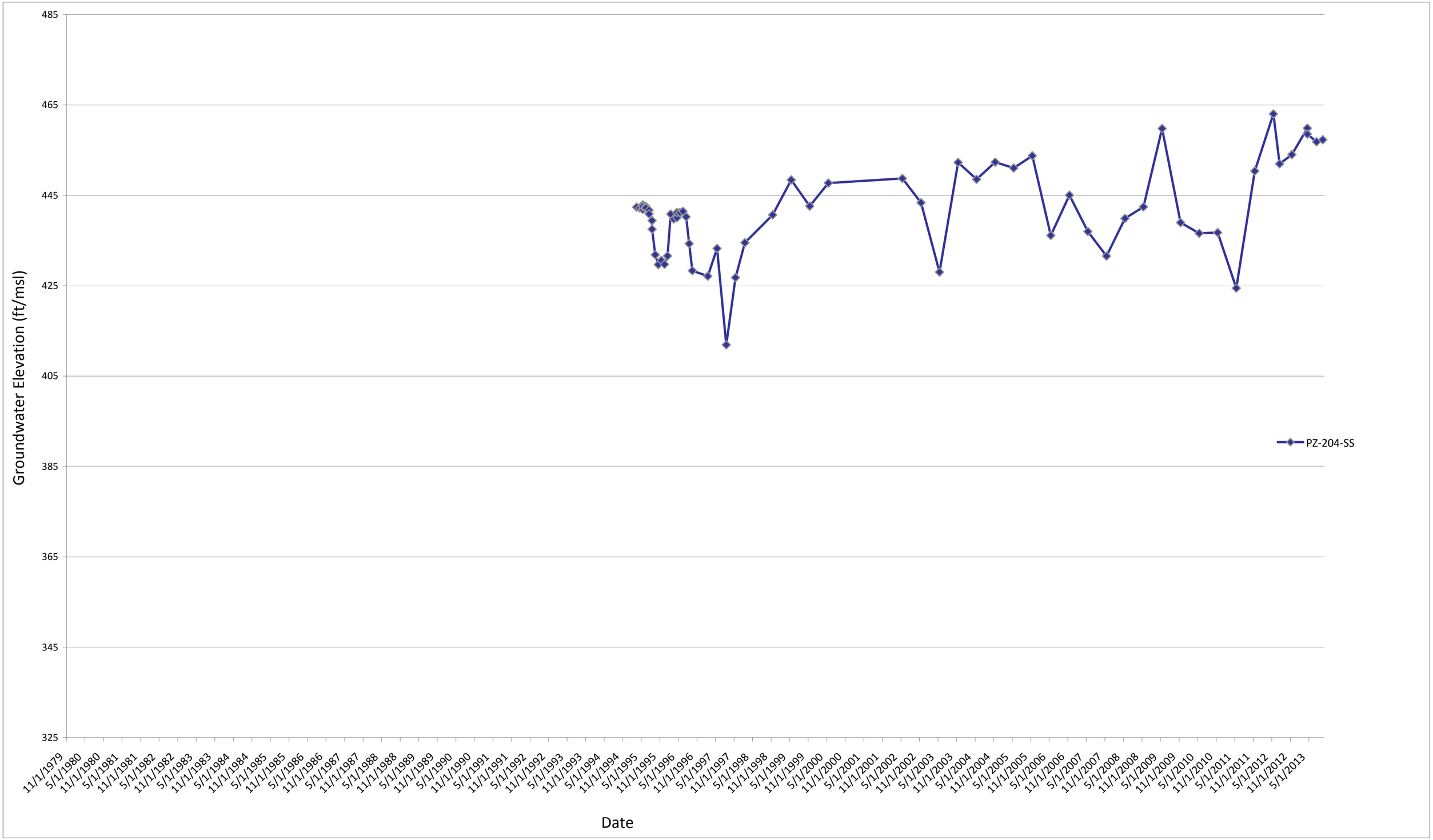
Groundwater Monitoring Well - PZ-203-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-96



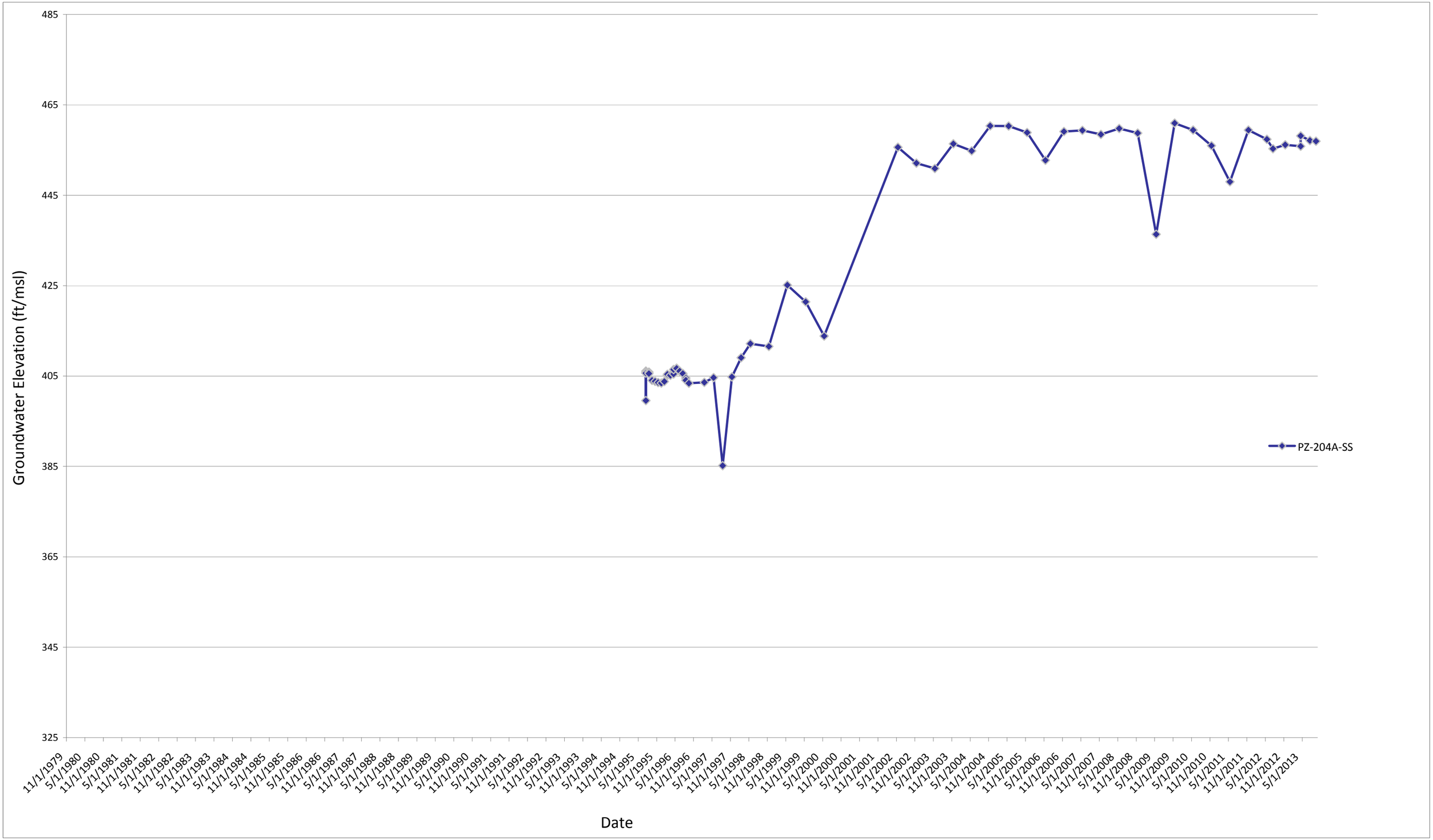
Groundwater Monitoring Well - PZ-204-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-97



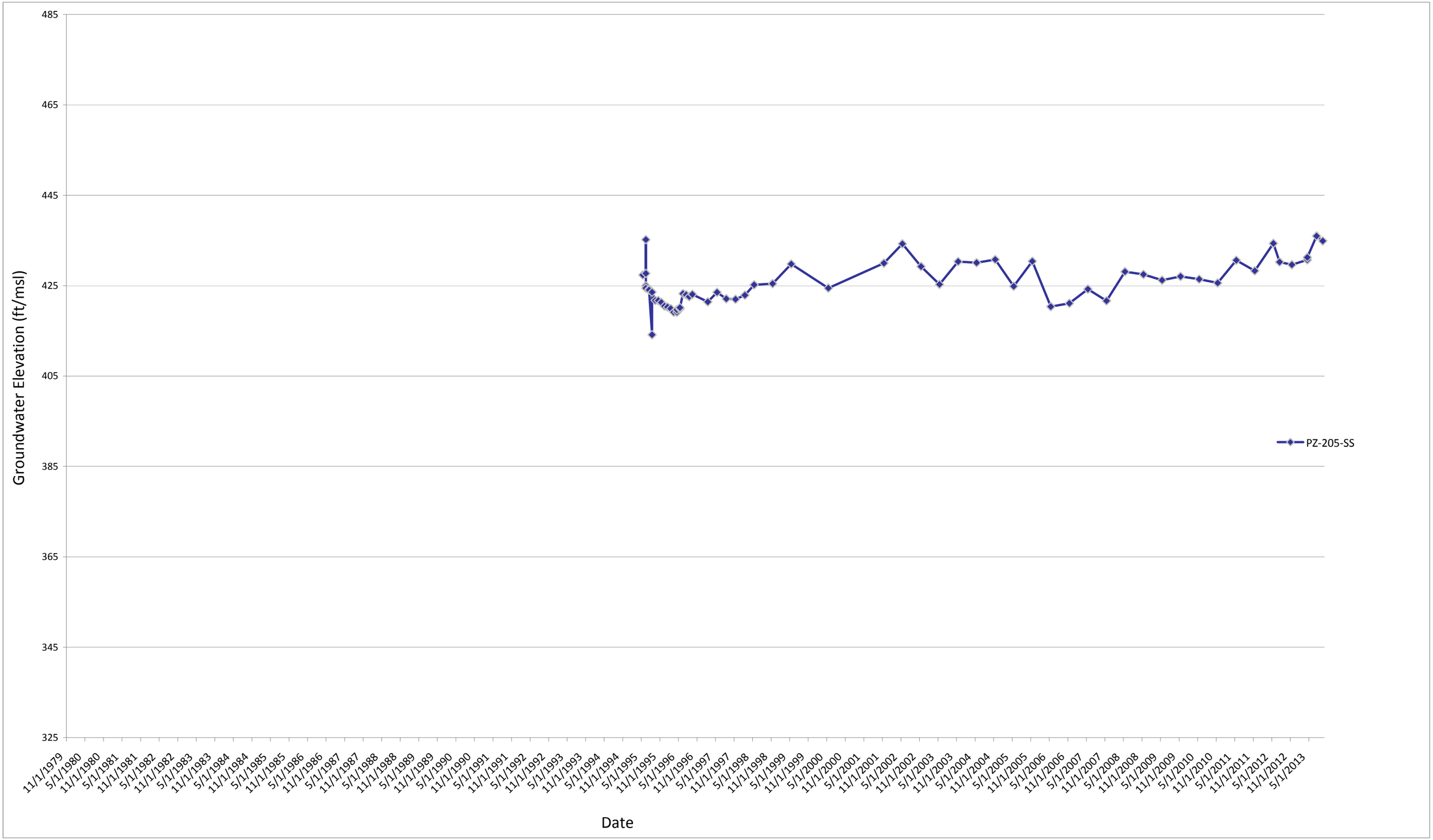
Groundwater Monitoring Well - PZ-204A-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-98



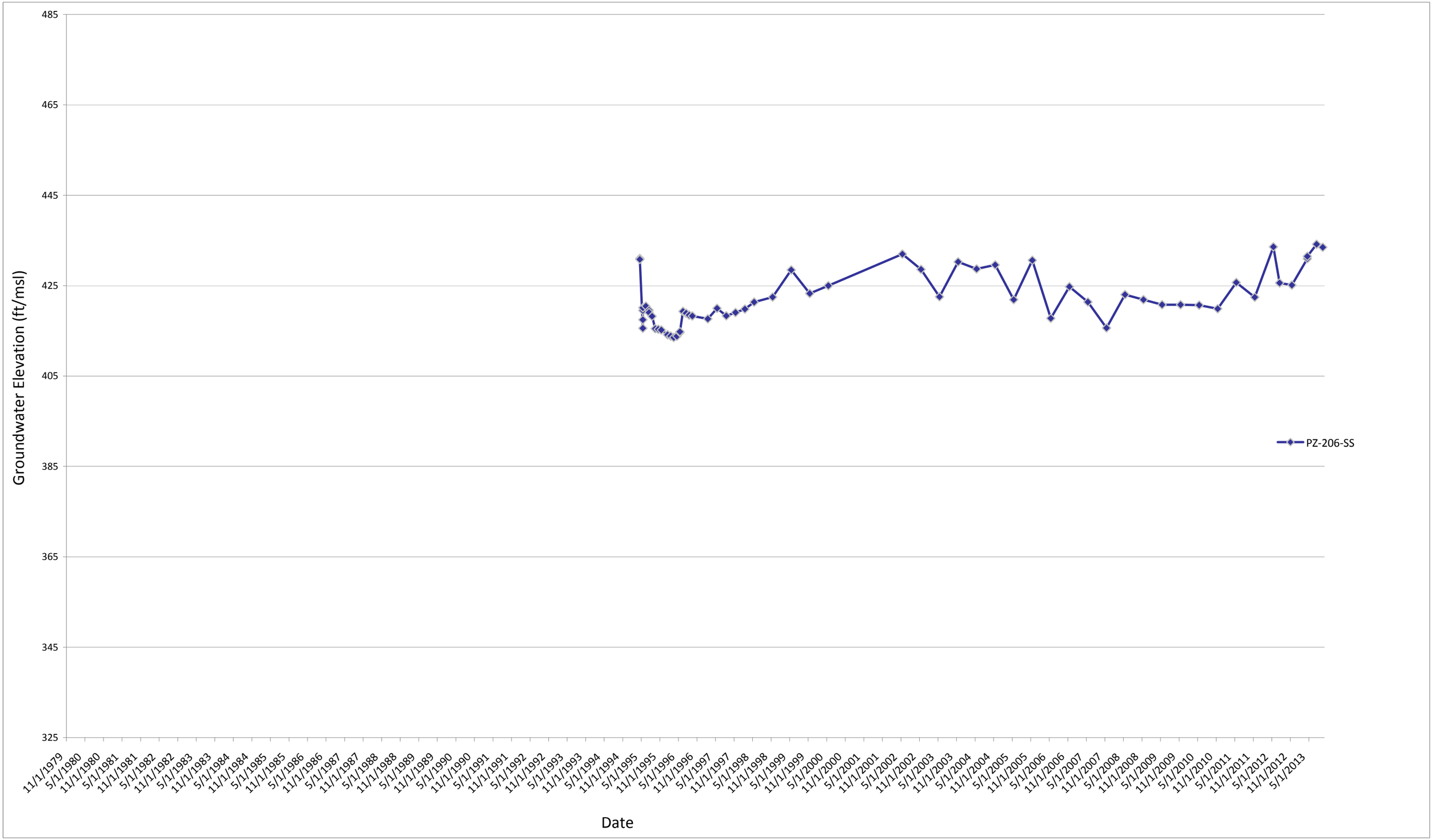
Groundwater Monitoring Well - PZ-205-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-99



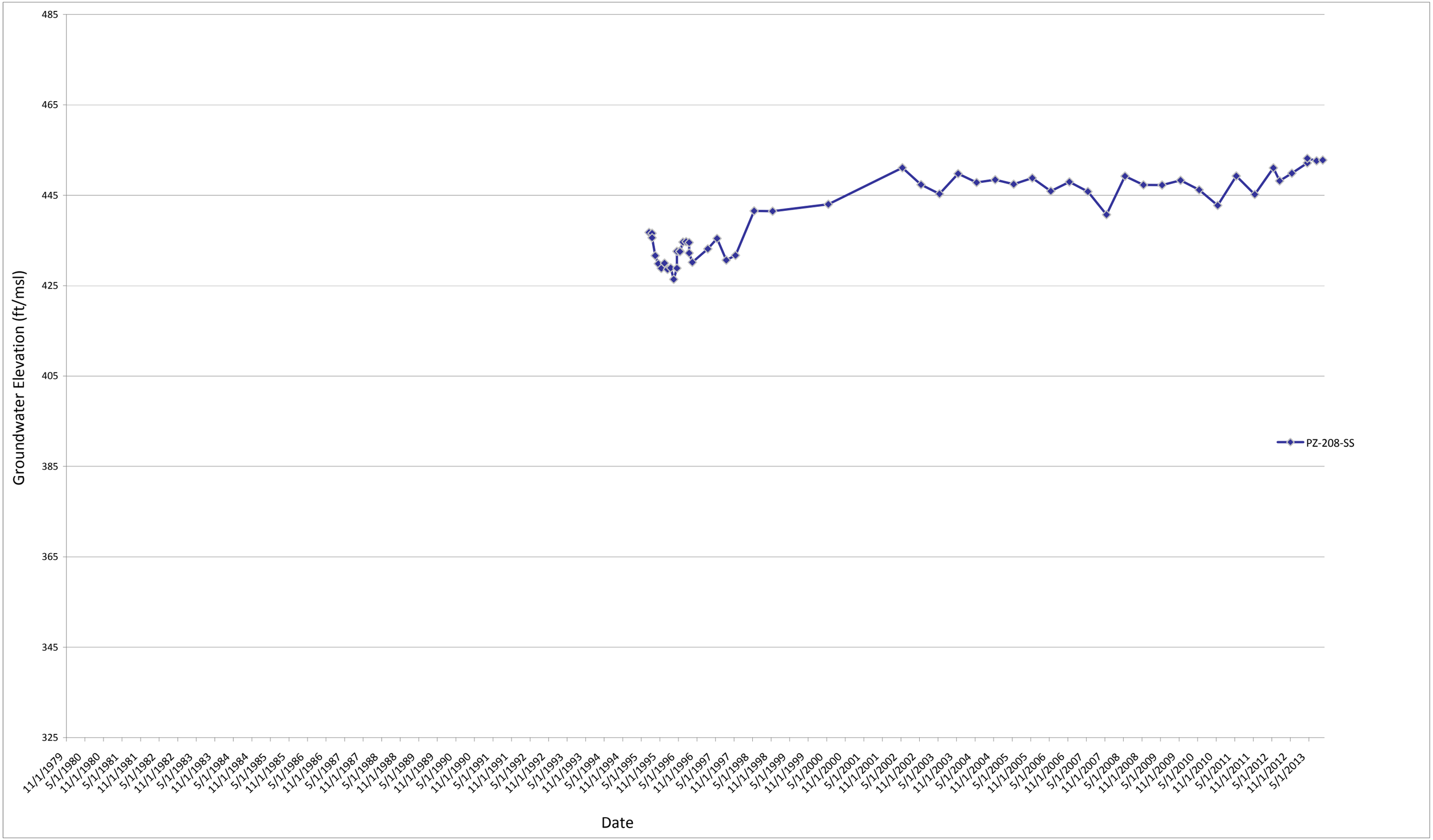
Groundwater Monitoring Well - PZ-206-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-100



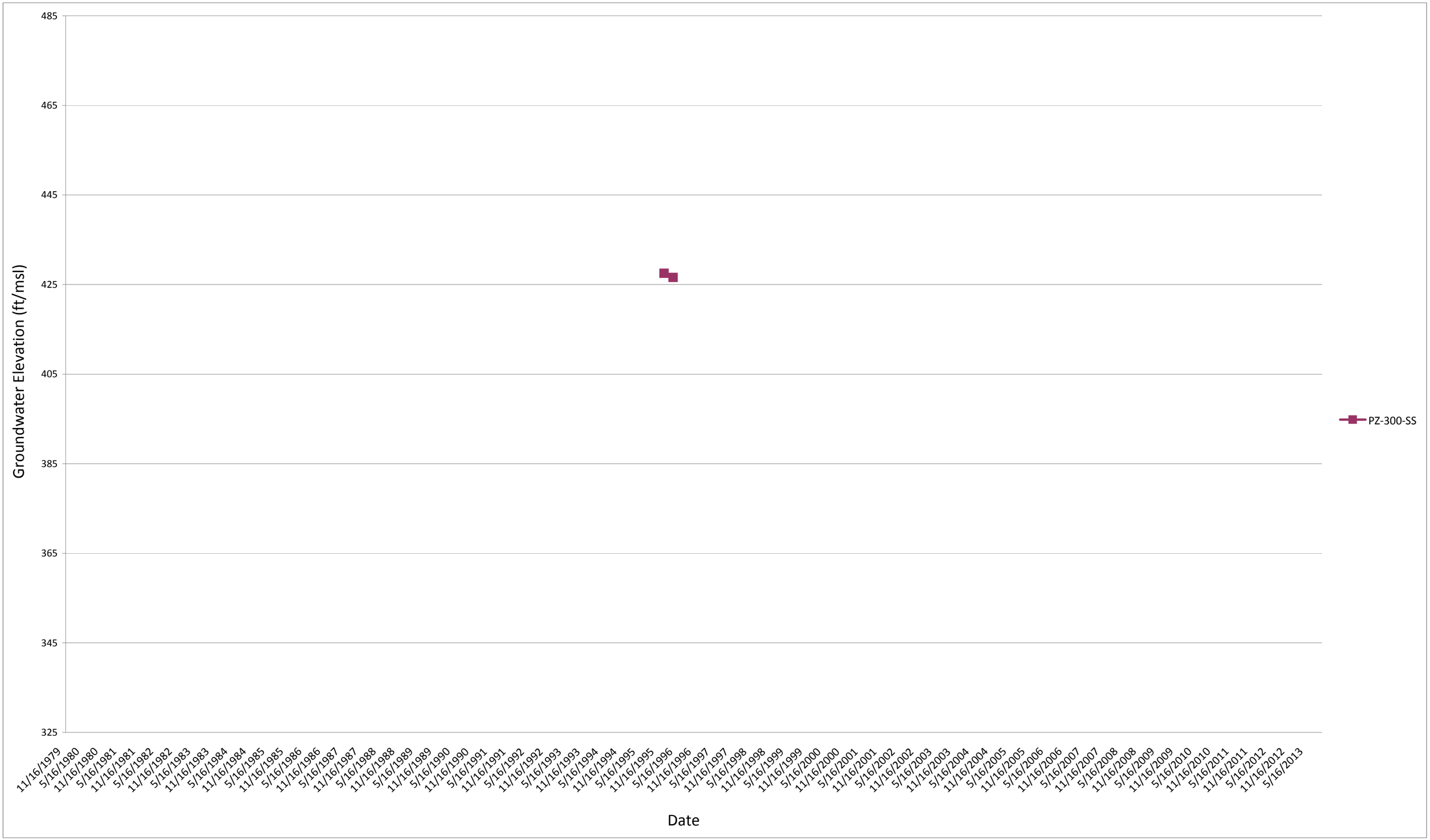
Groundwater Monitoring Well - PZ-208-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-101



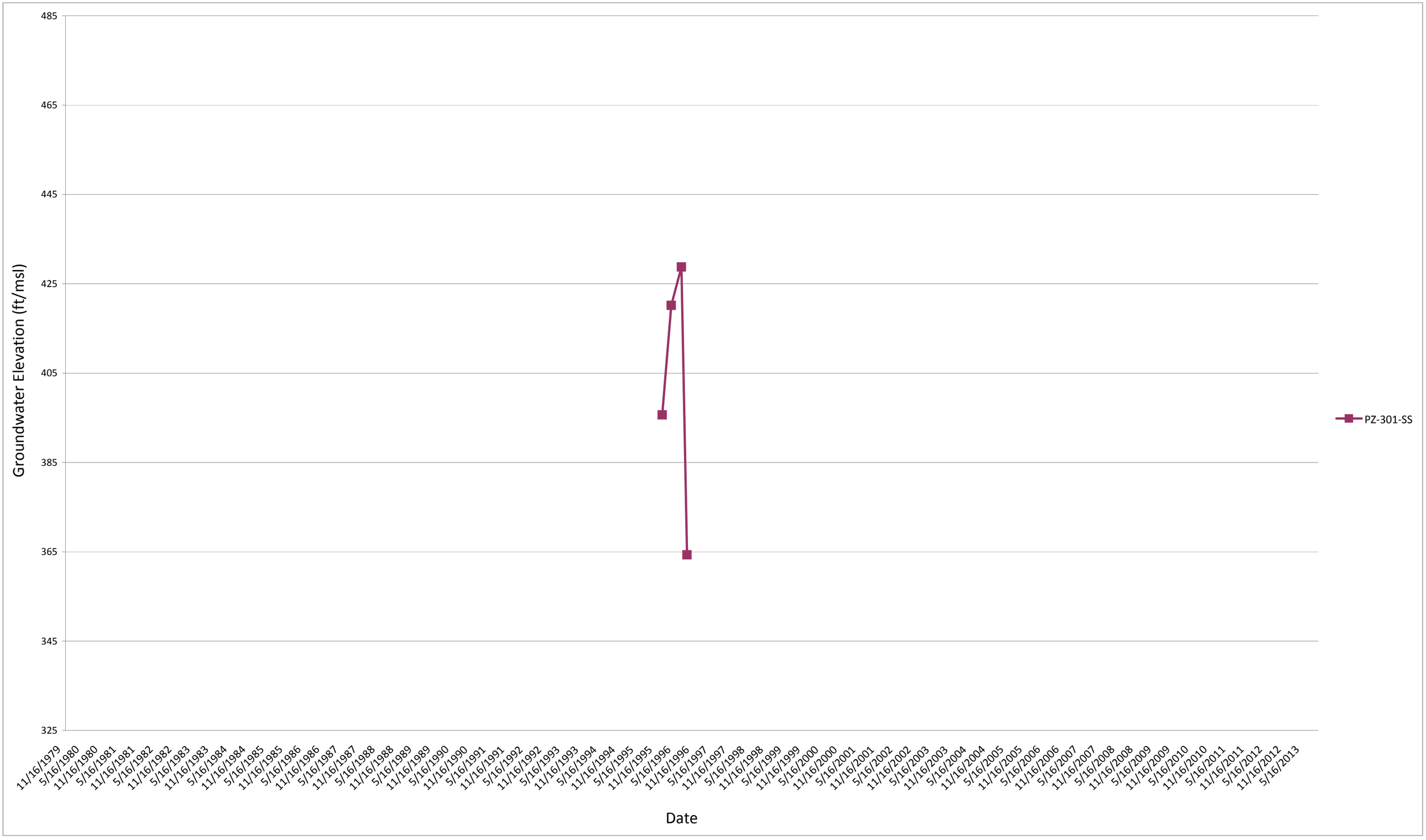
Groundwater Monitoring Well - PZ-300-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-102



Groundwater Monitoring Well - PZ-301-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

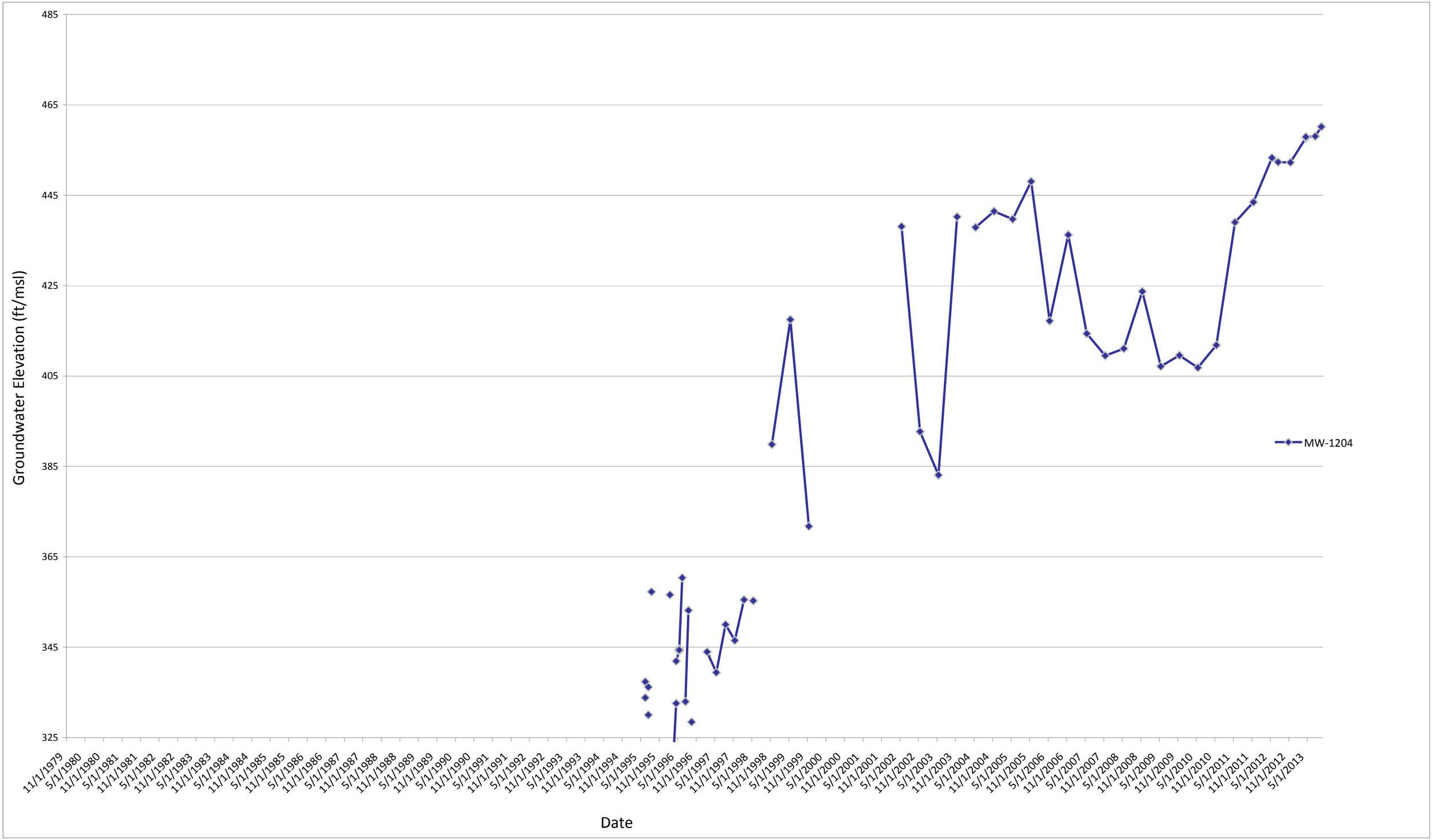
Figure J-103



Figures J-104 through J-108
Hydrographs for Individual Salem Formation (SD)
Bedrock Wells

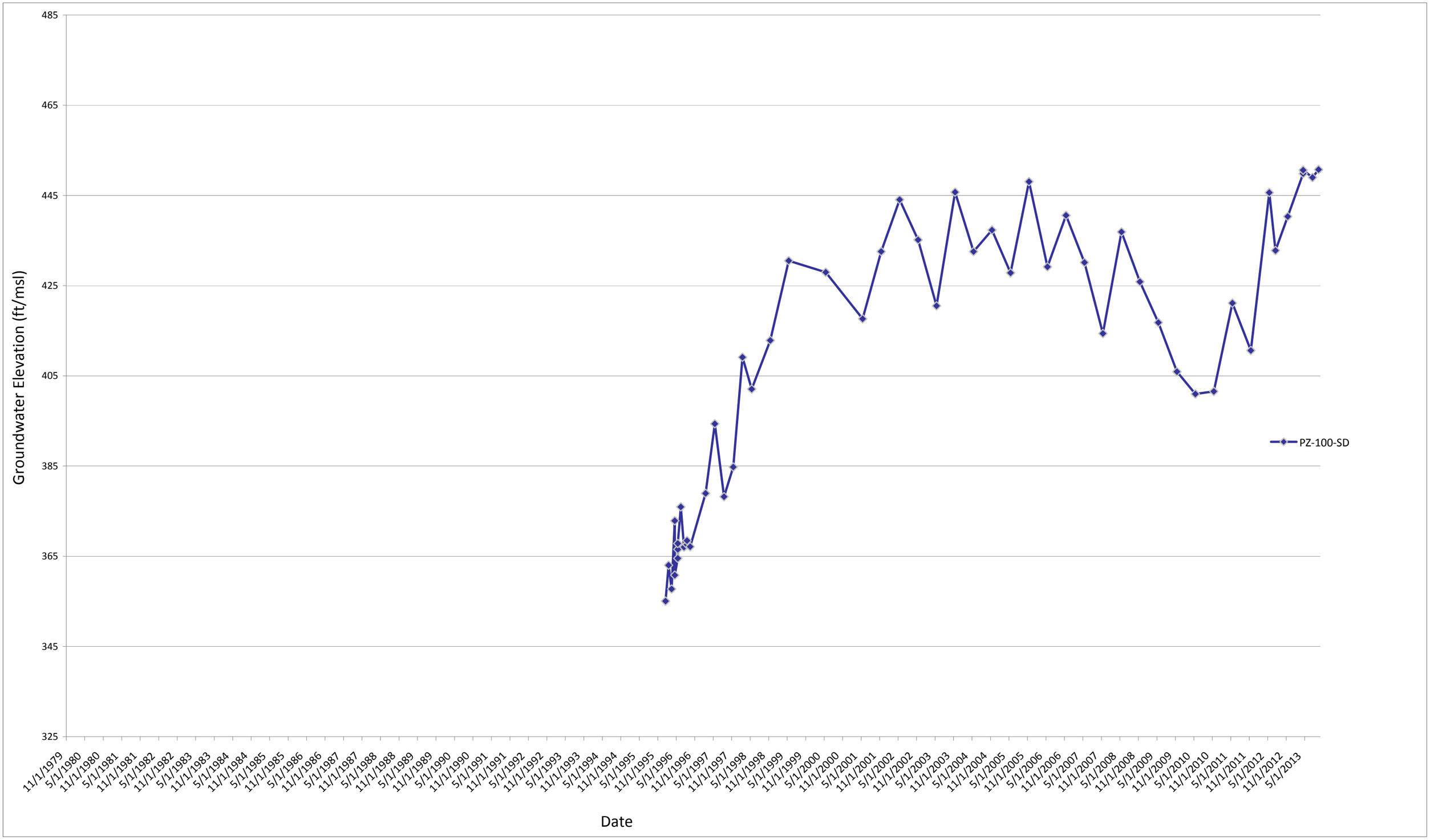
Groundwater Monitoring Well - MW-1204
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-104



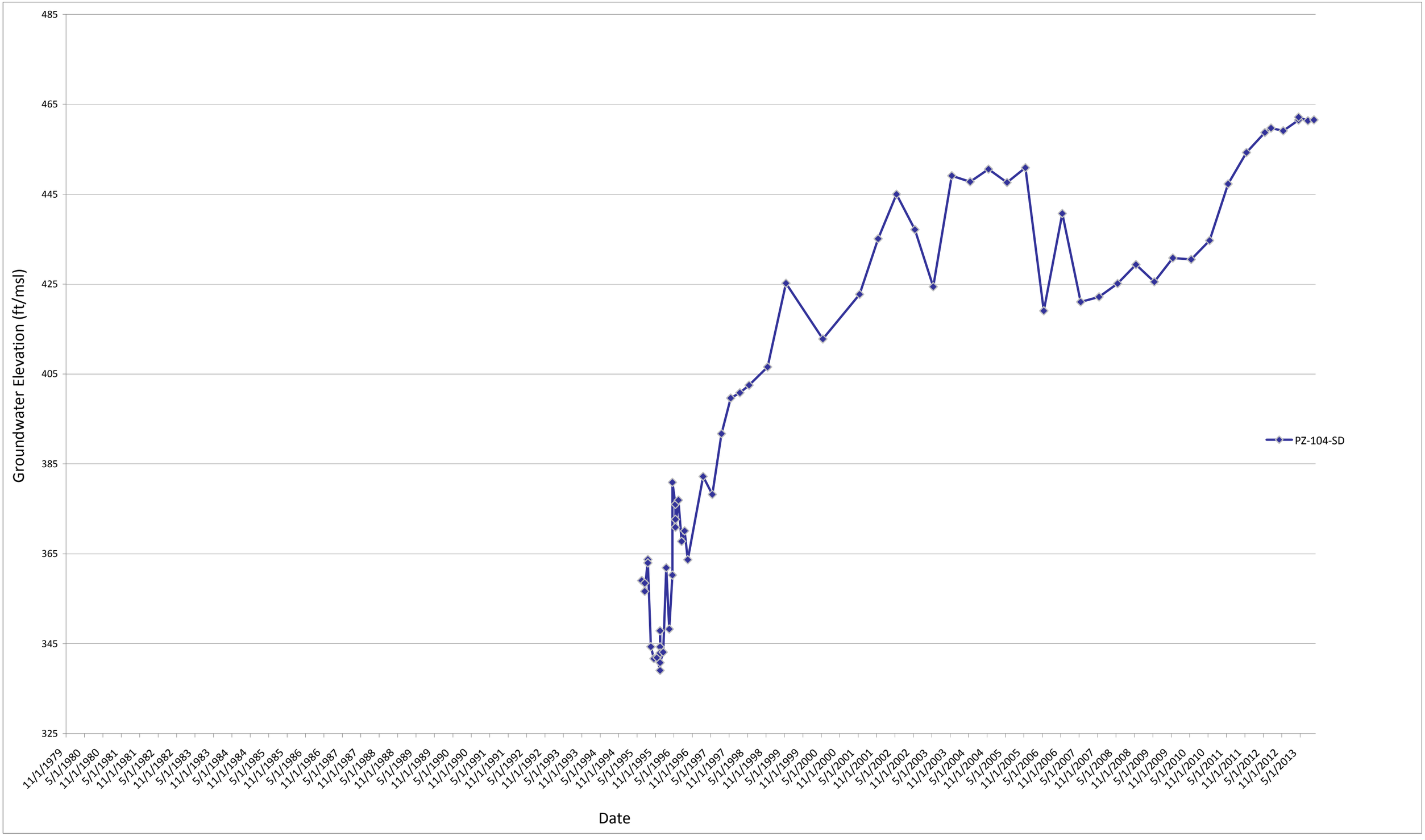
Groundwater Monitoring Well - PZ-100-SD
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-105



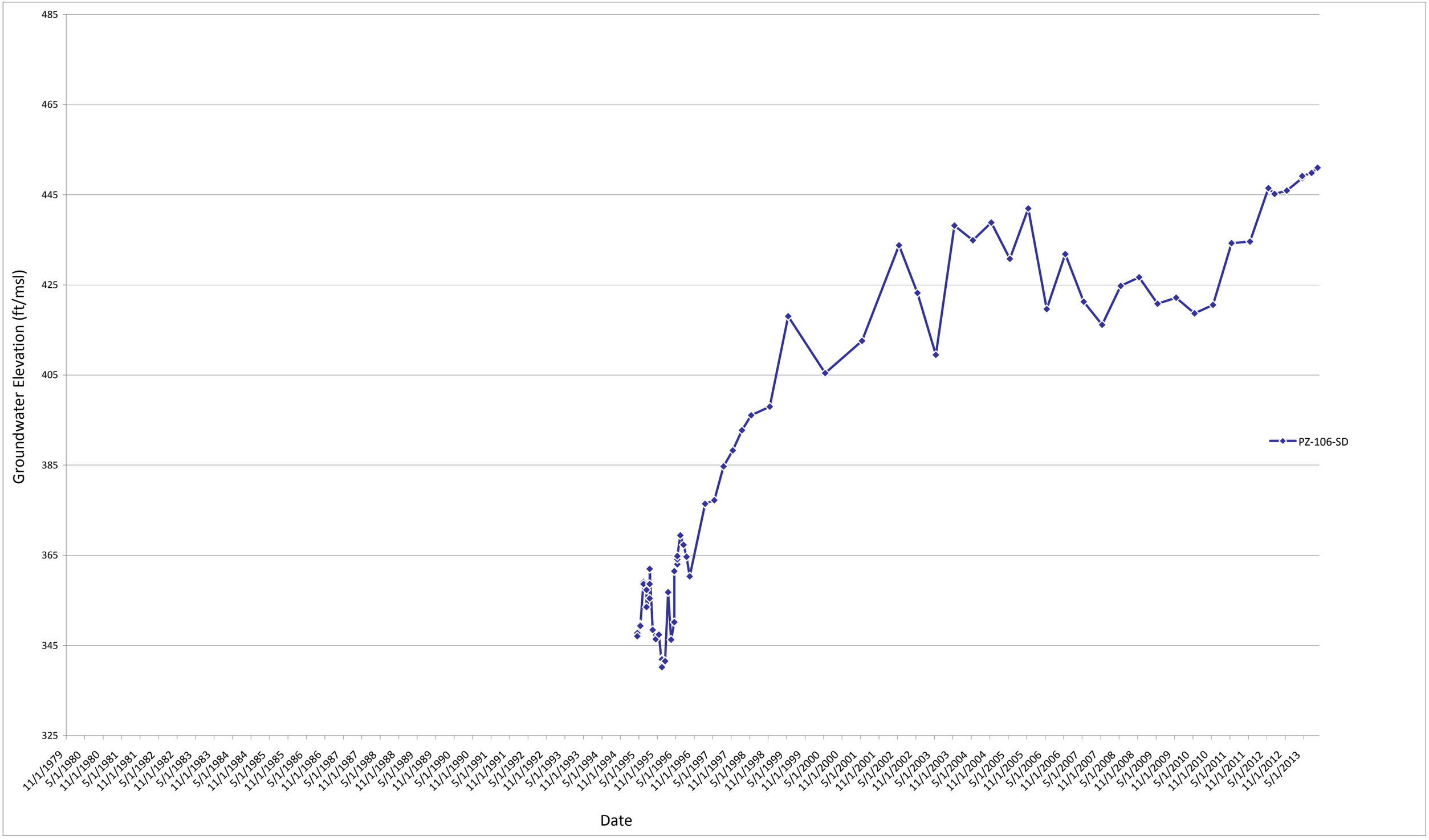
Groundwater Monitoring Well - PZ-104-SD
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-106



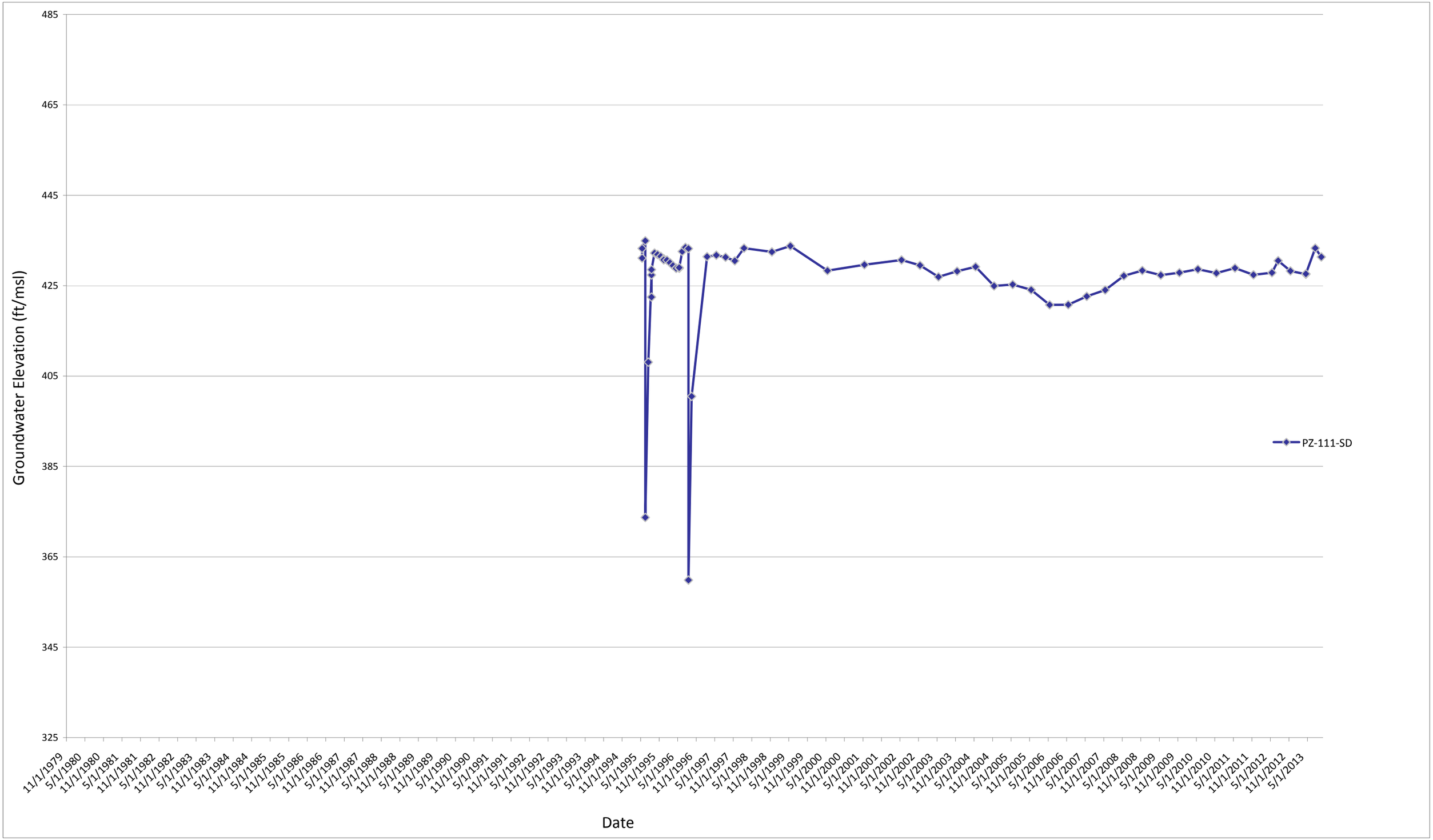
Groundwater Monitoring Well - PZ-106-SD
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-107



Groundwater Monitoring Well - PZ-111-SD
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-108



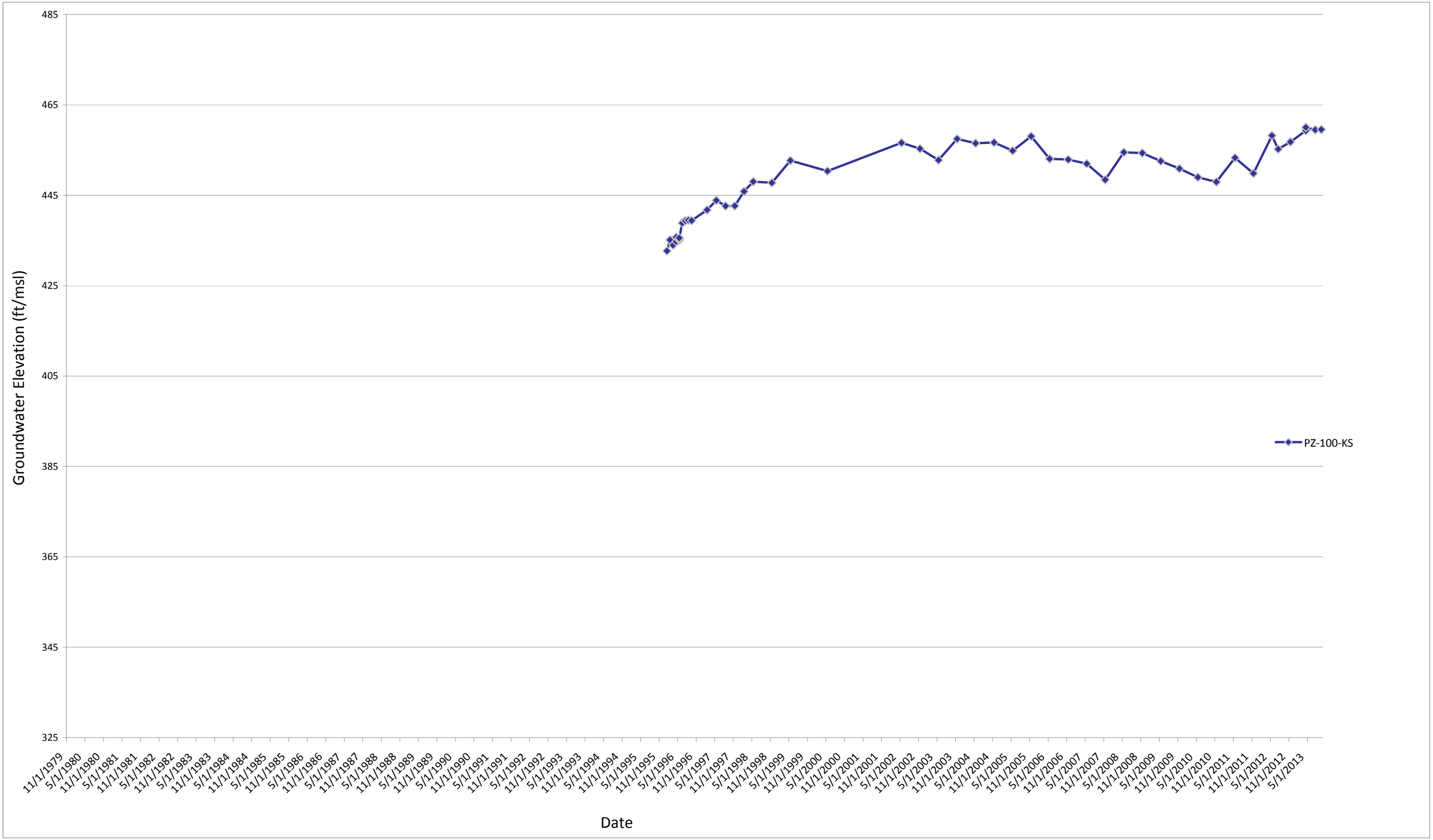
Figures J-109 through J-112

Hydrographs for Individual Keokuk Formation (KS)

Bedrock Wells

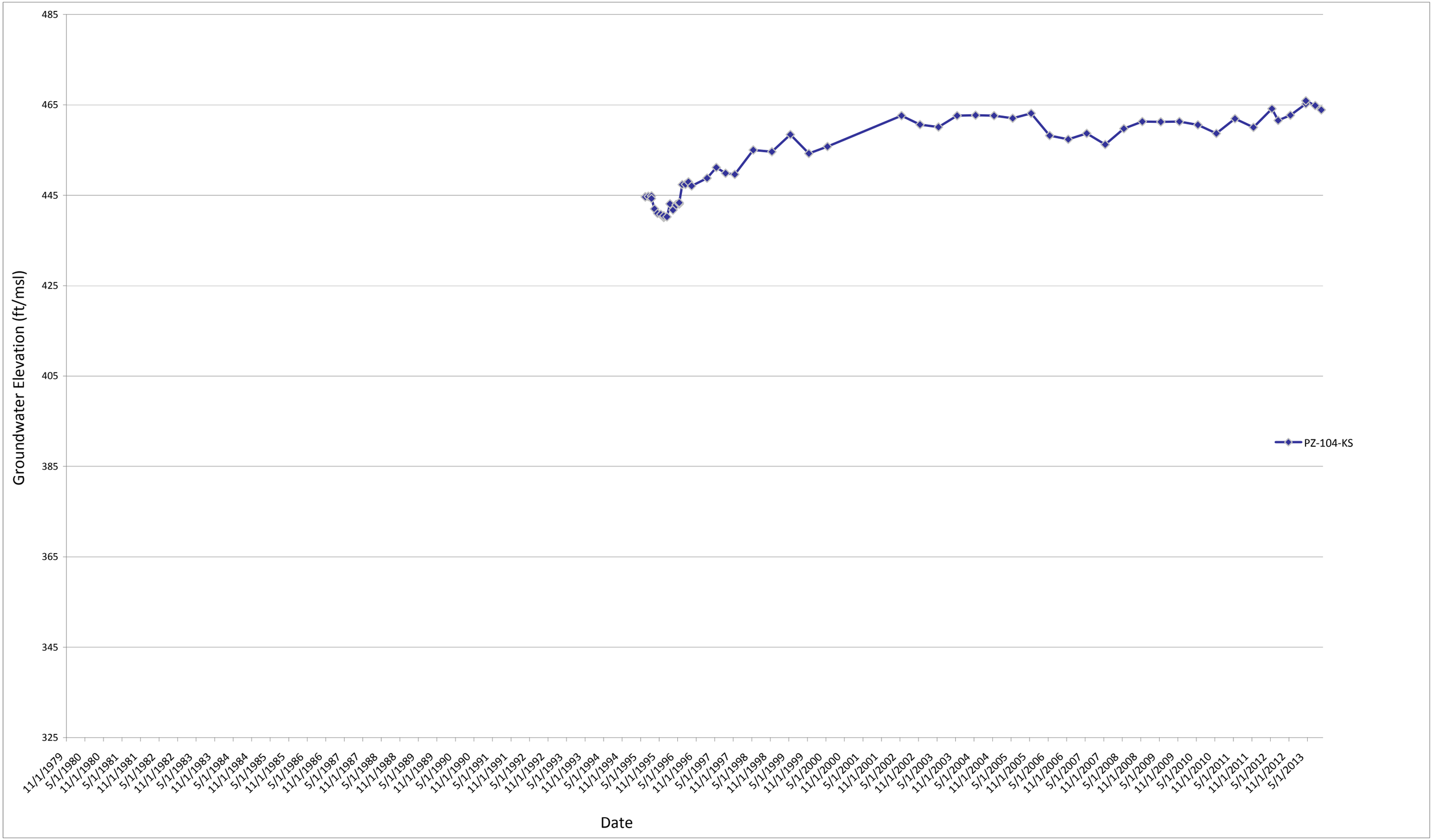
Groundwater Monitoring Well - PZ-100-KS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-109



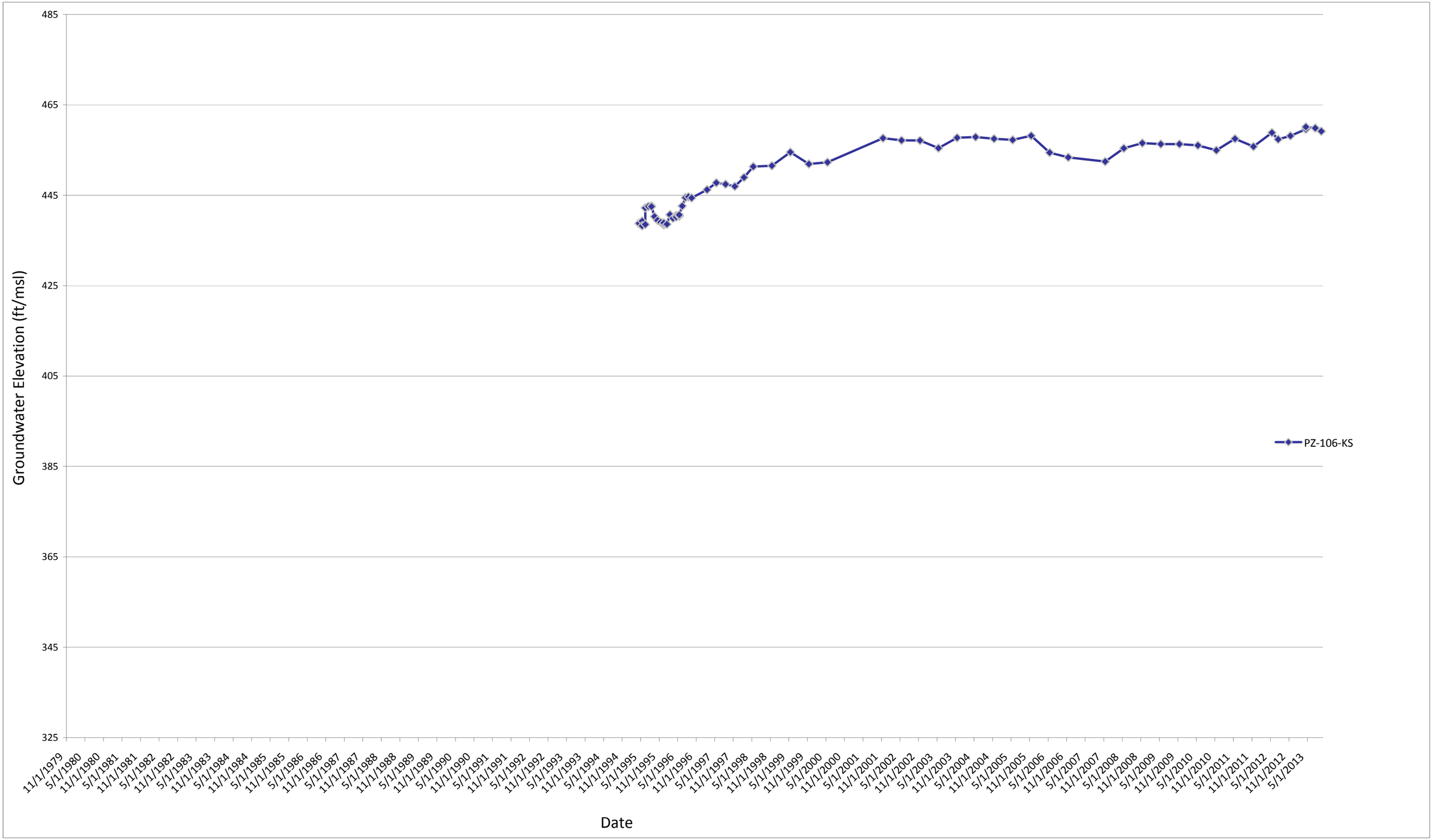
Groundwater Monitoring Well - PZ-104-KS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-110



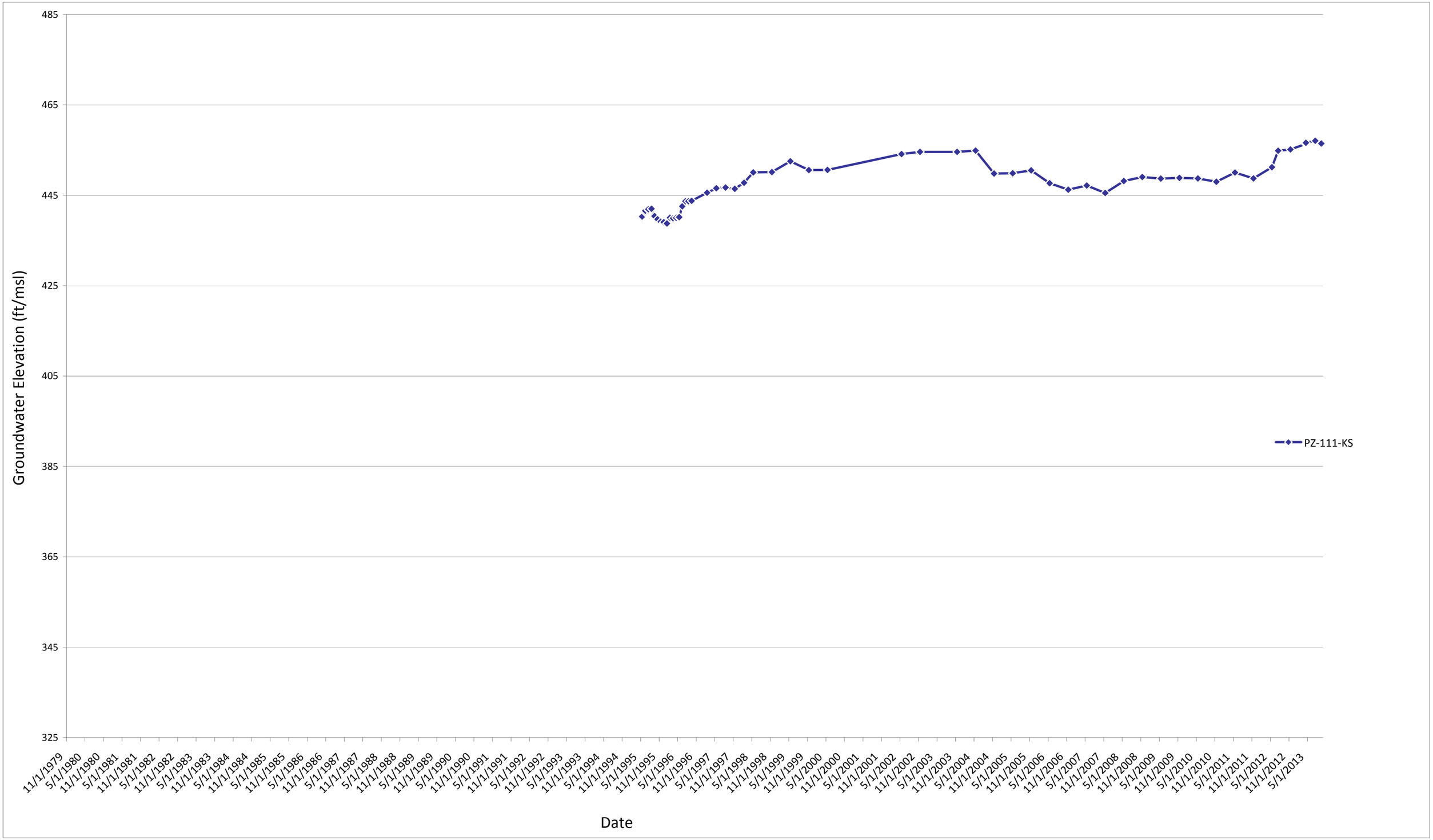
Groundwater Monitoring Well - PZ-106-KS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-111



Groundwater Monitoring Well - PZ-111-KS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

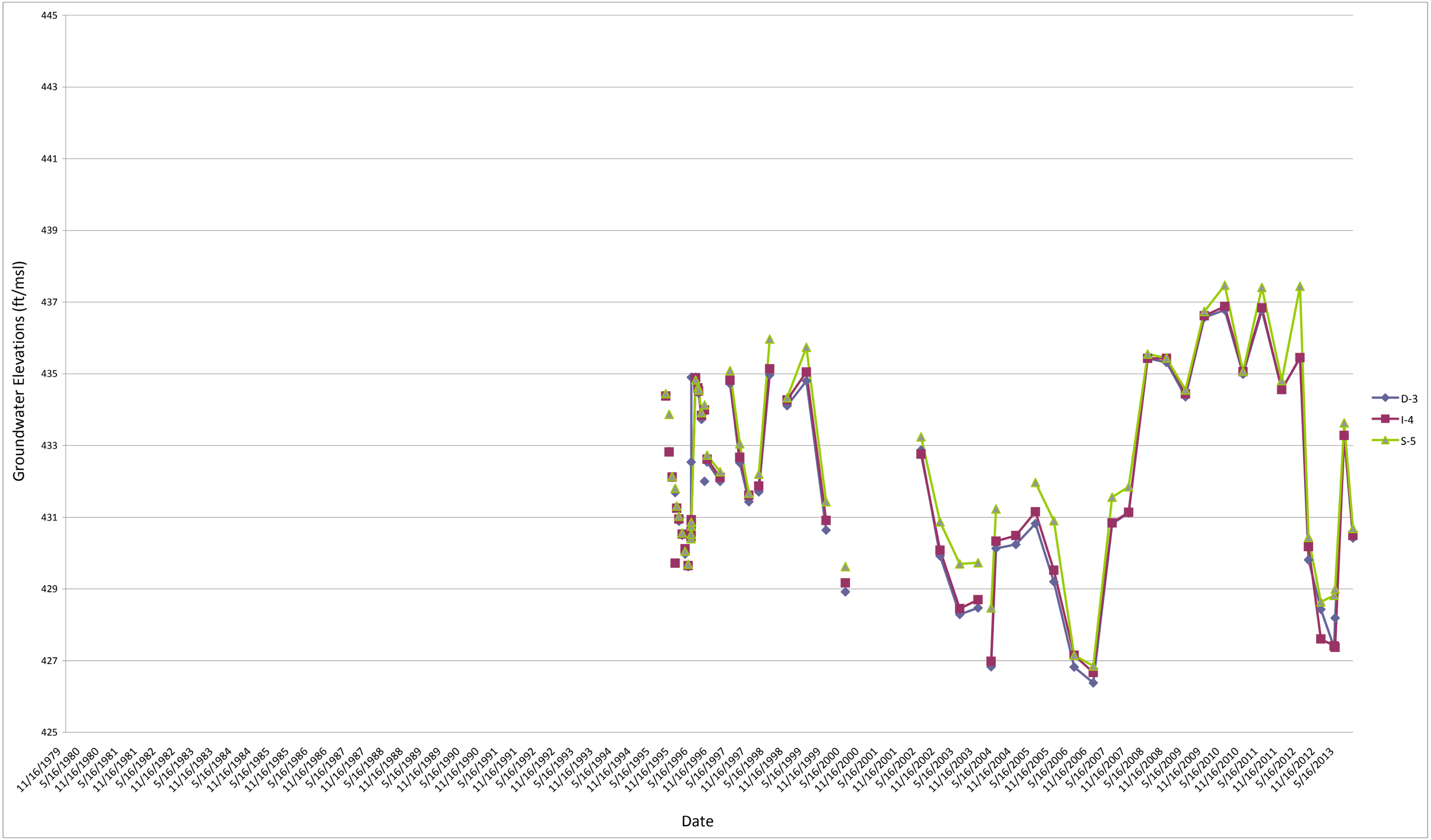
Figure J-112



J-3: Co-Located Wells

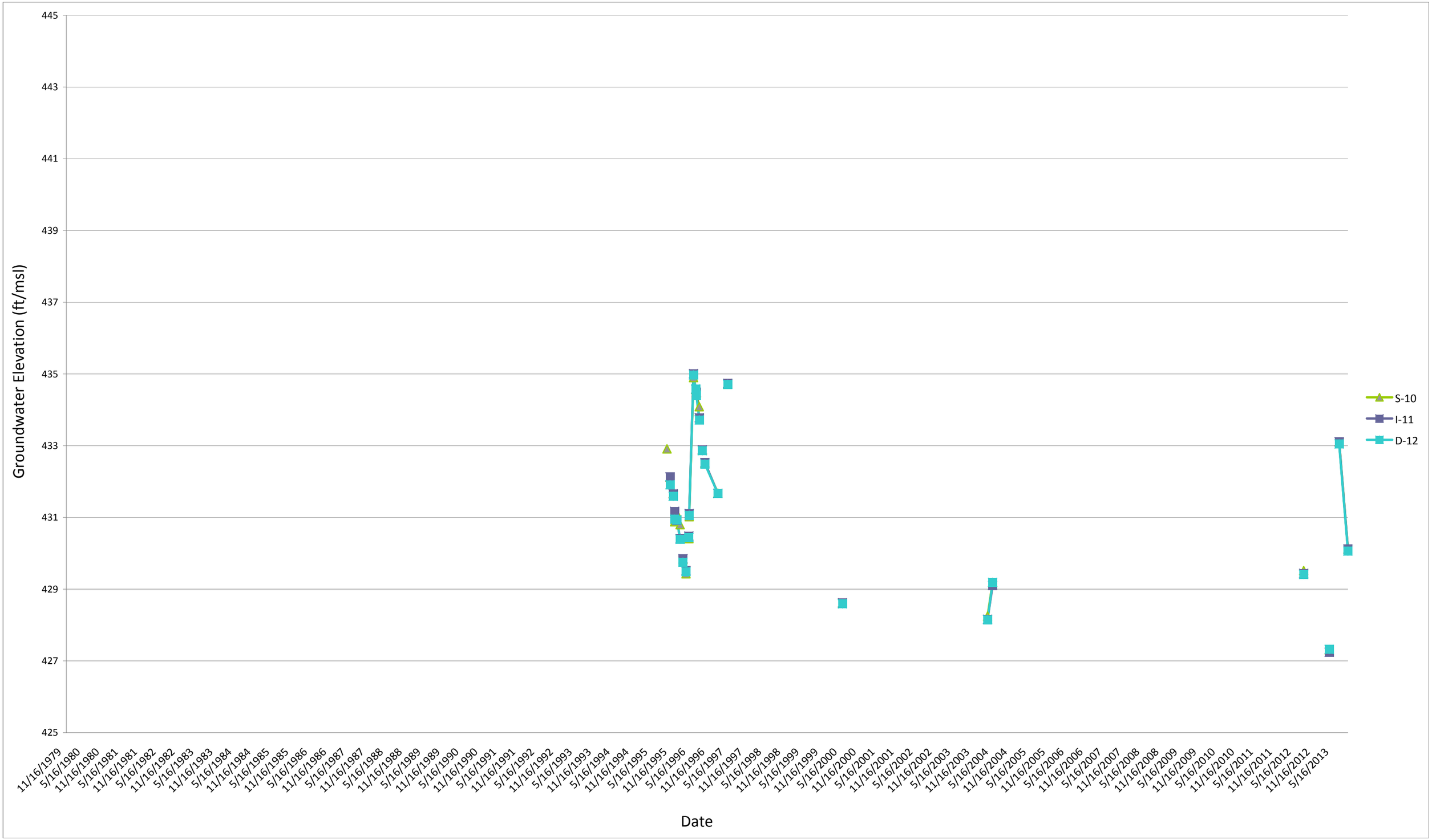
Groundwater Monitoring Wells - Alluvial Wells S-5, I-4, D-3
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-113



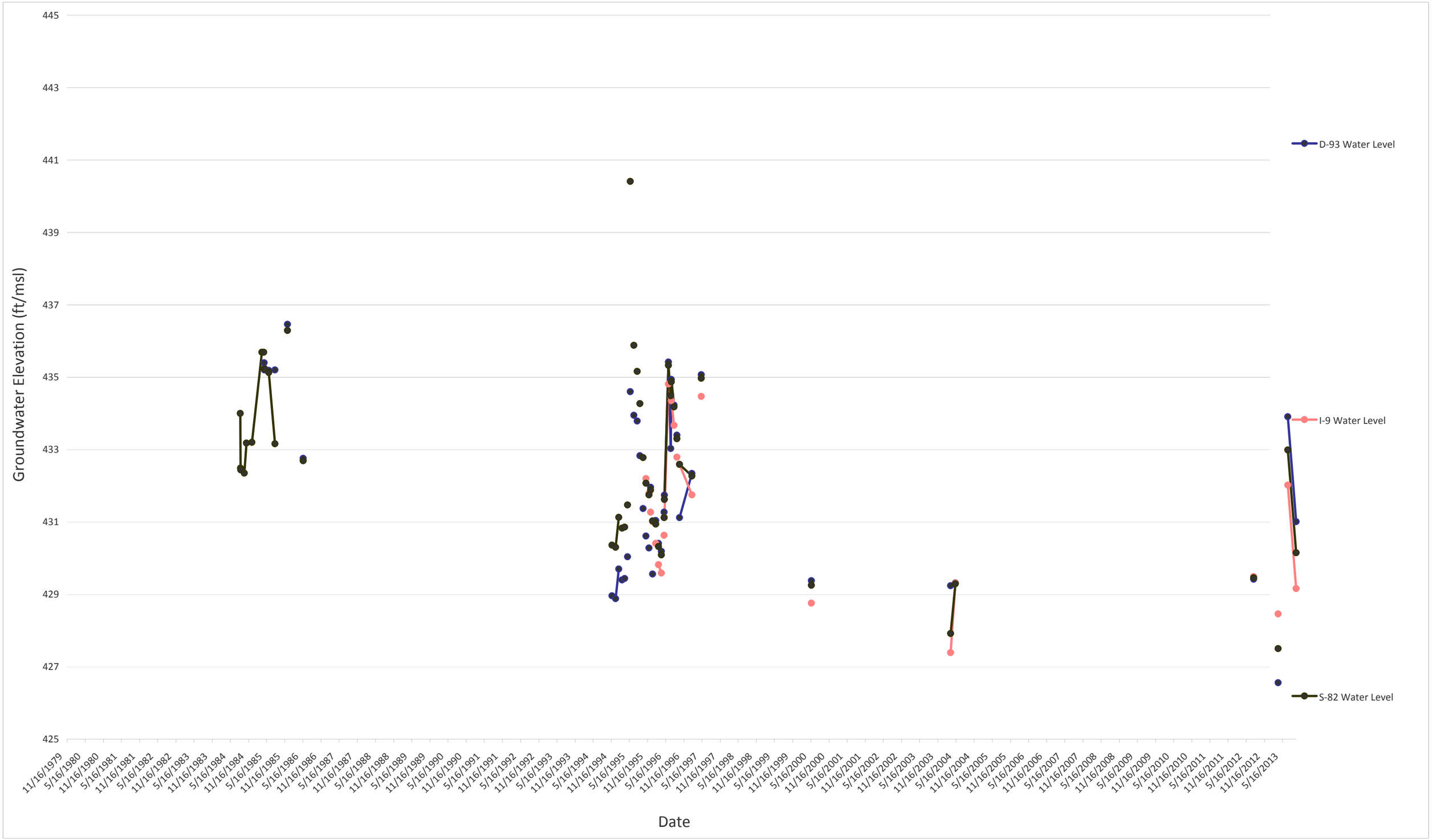
Groundwater Monitoring Wells - Alluvial Wells S-10, I-11, D-12
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-114



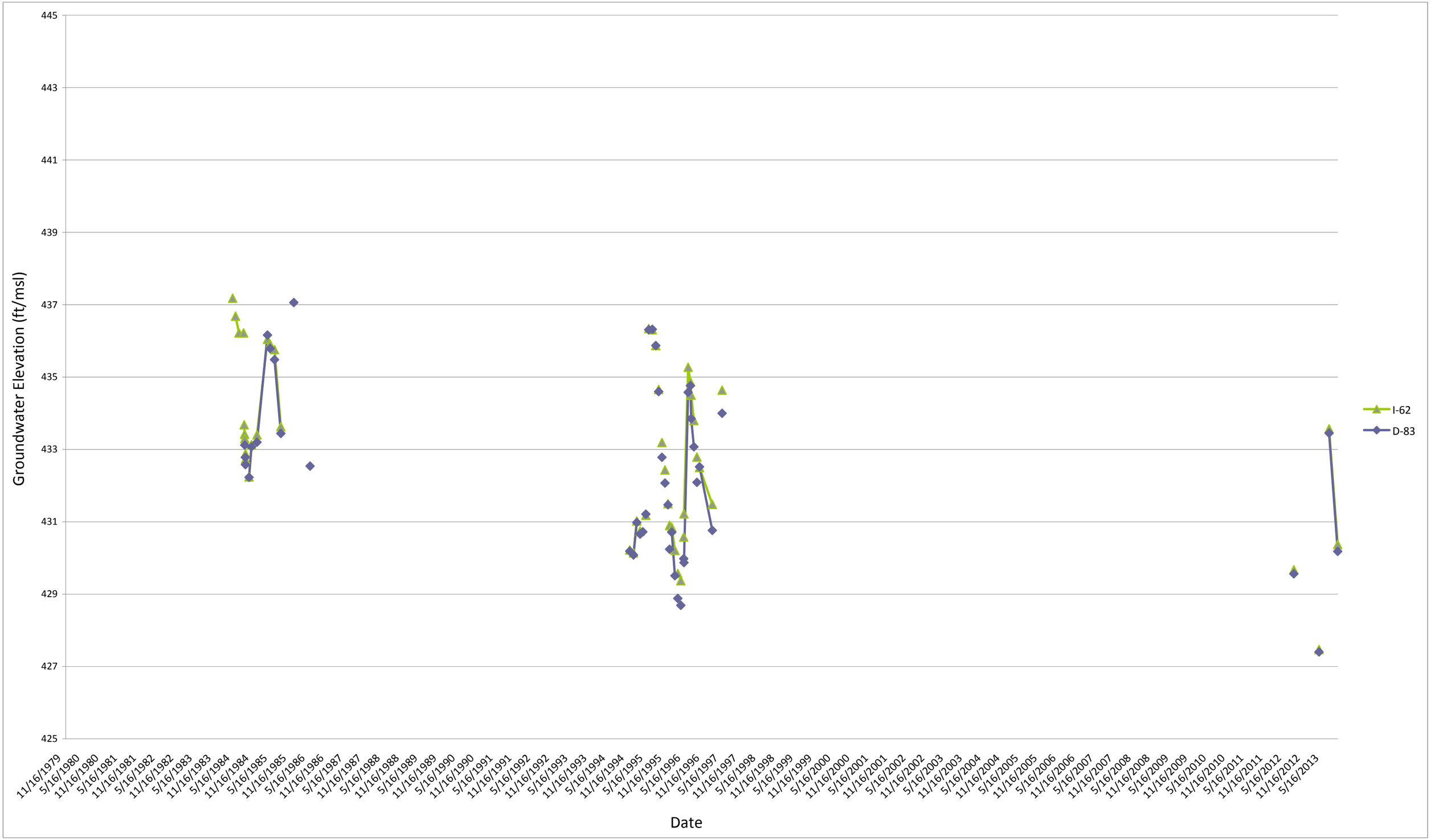
Groundwater Monitoring Wells - Alluvial Wells D-93, I-9, S-82
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-115



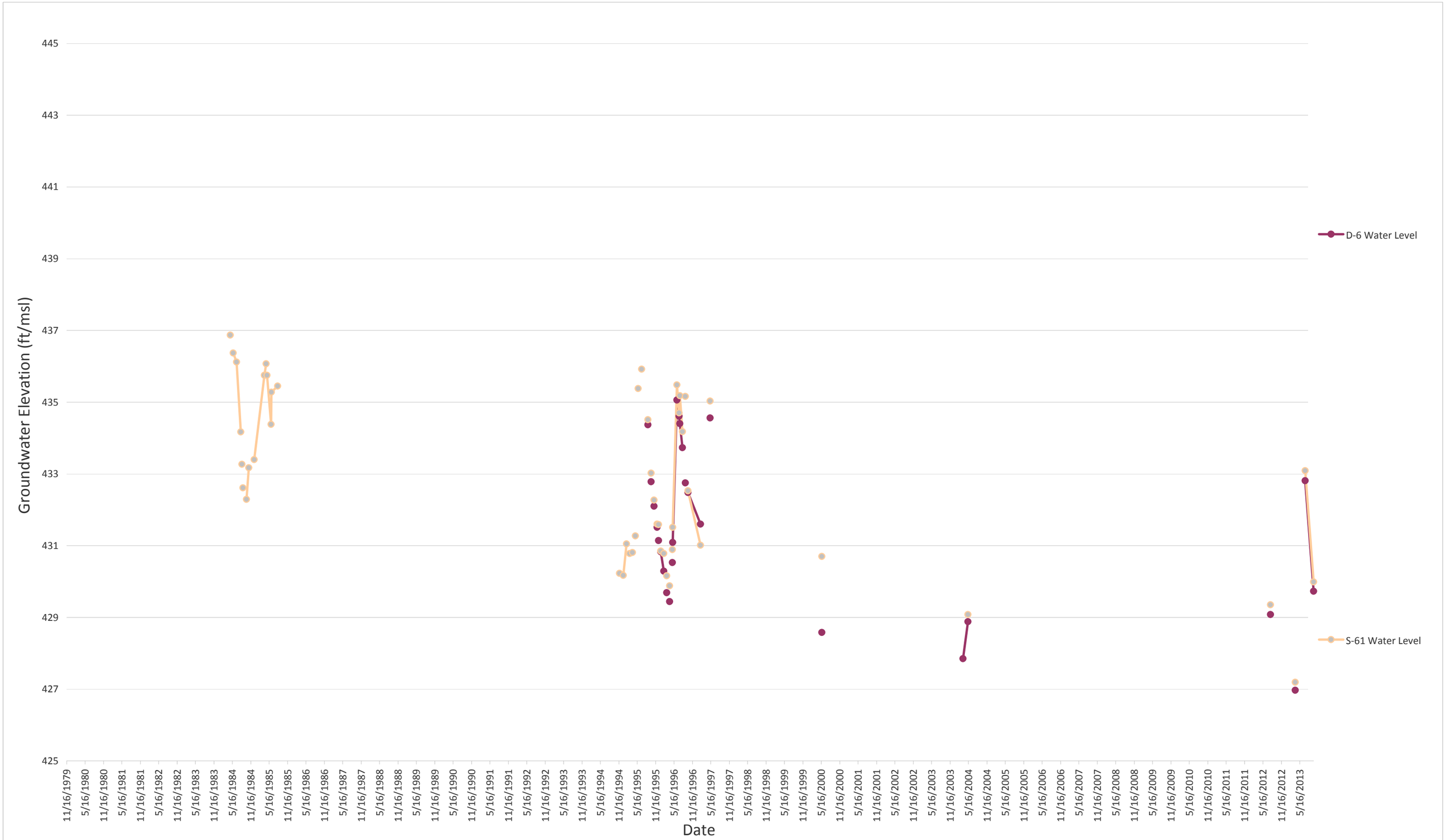
Groundwater Monitoring Wells - Alluvial Wells I-62, D-83
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-116



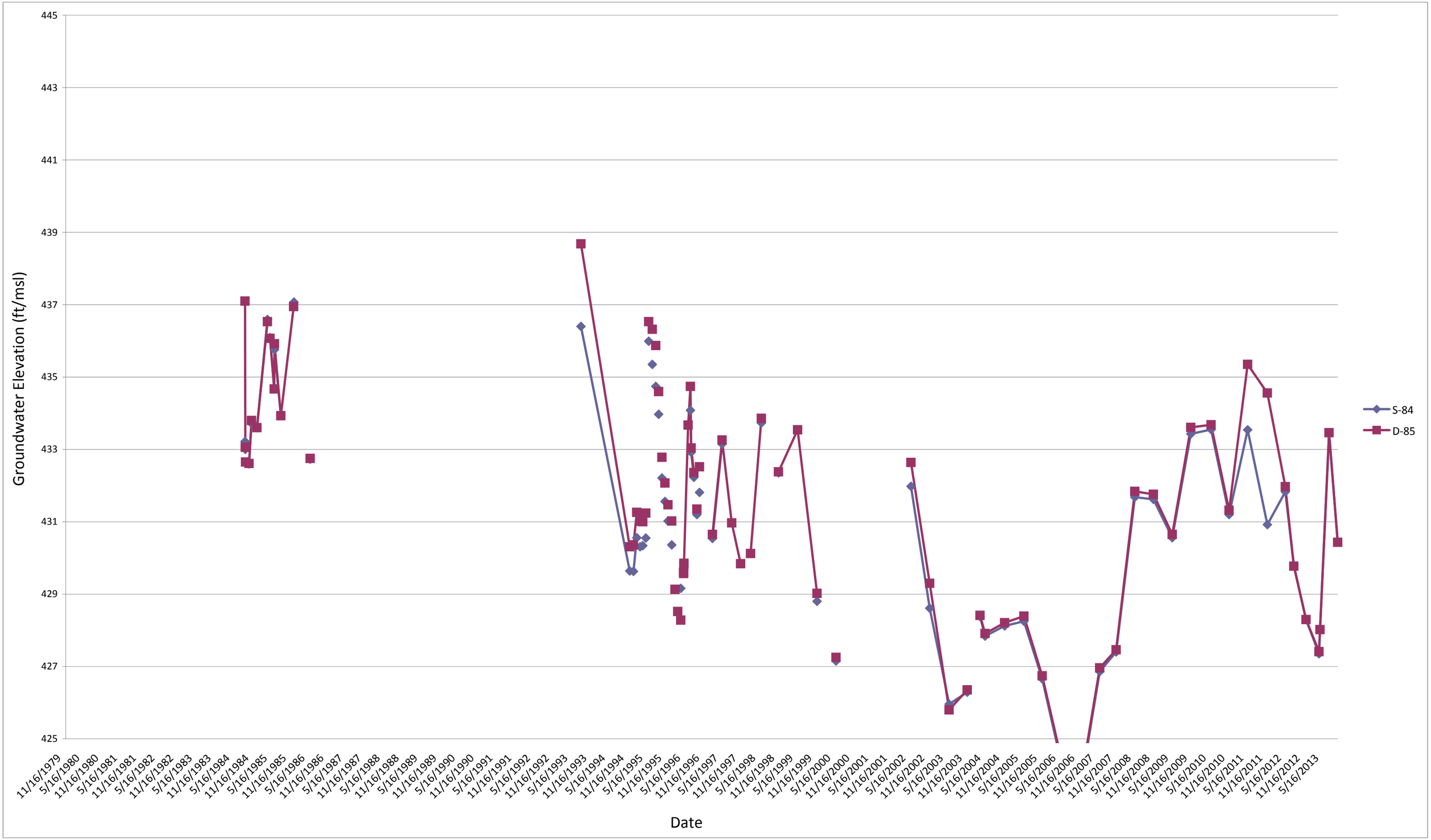
Groundwater Monitoring Wells - Alluvial Wells S-61, D-6
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-117



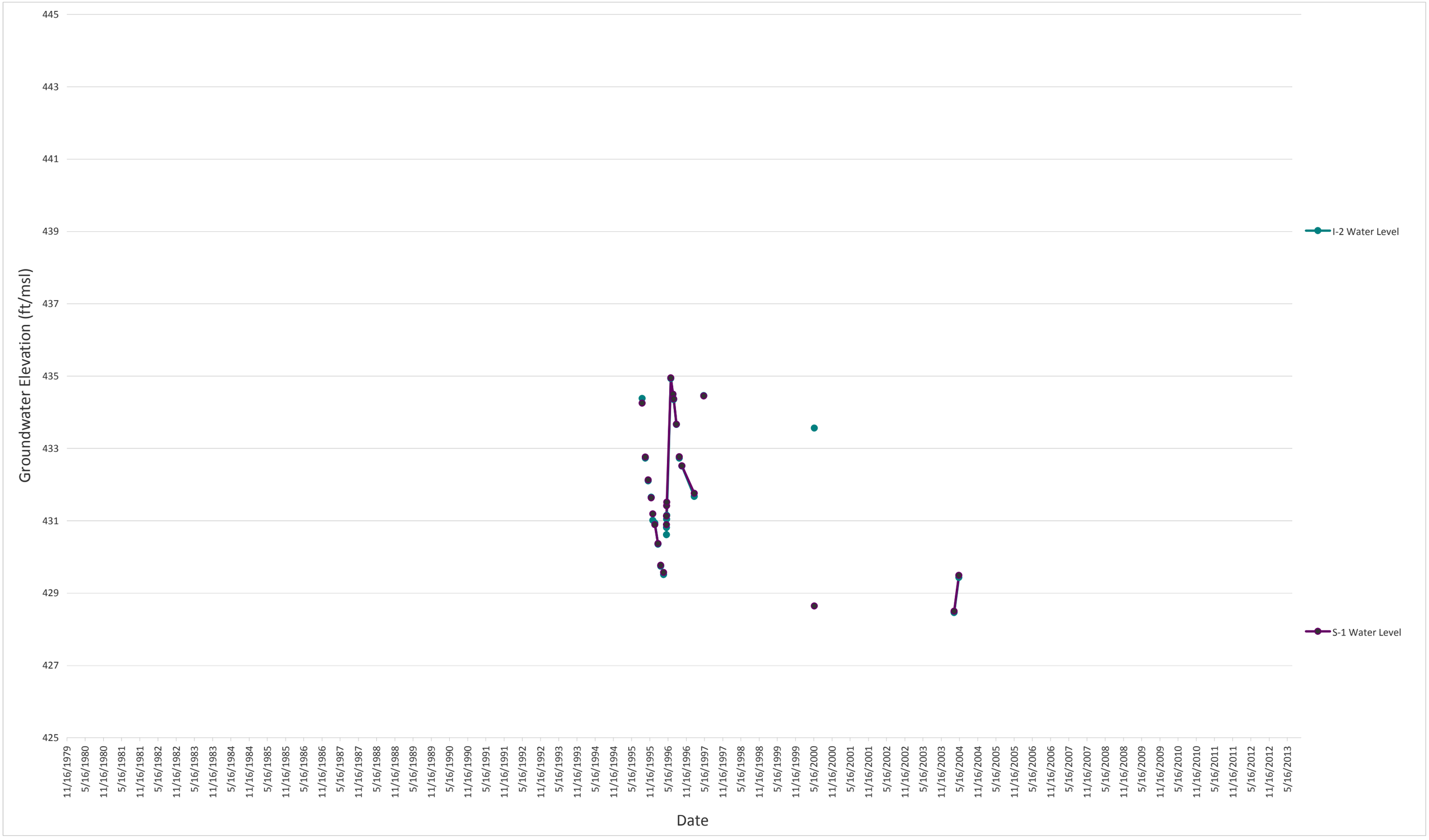
Groundwater Monitoring Wells - Alluvial Wells S-84, D-85
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-118



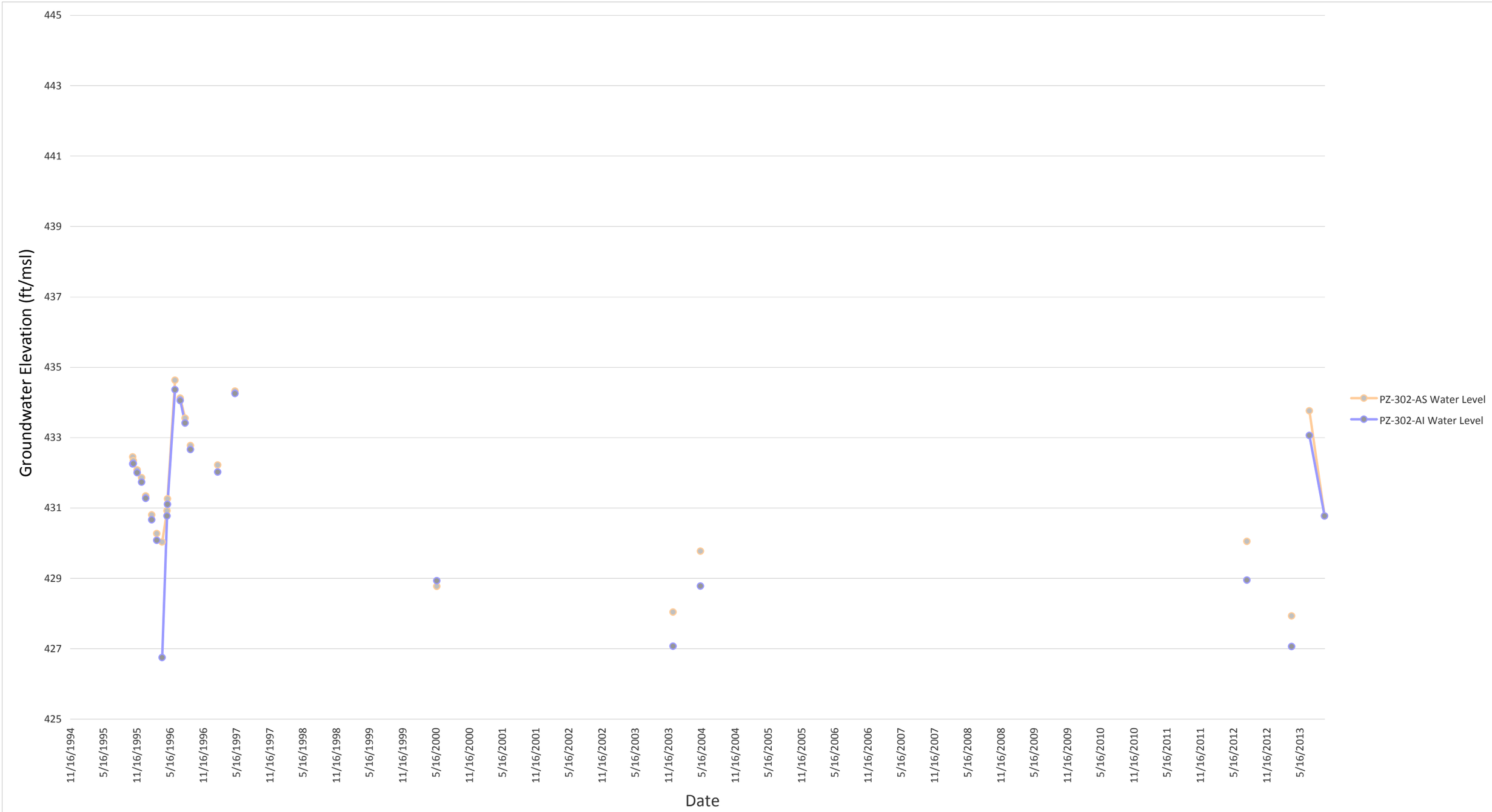
Groundwater Monitoring Wells - Alluvial Wells S-1, I-2
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-119



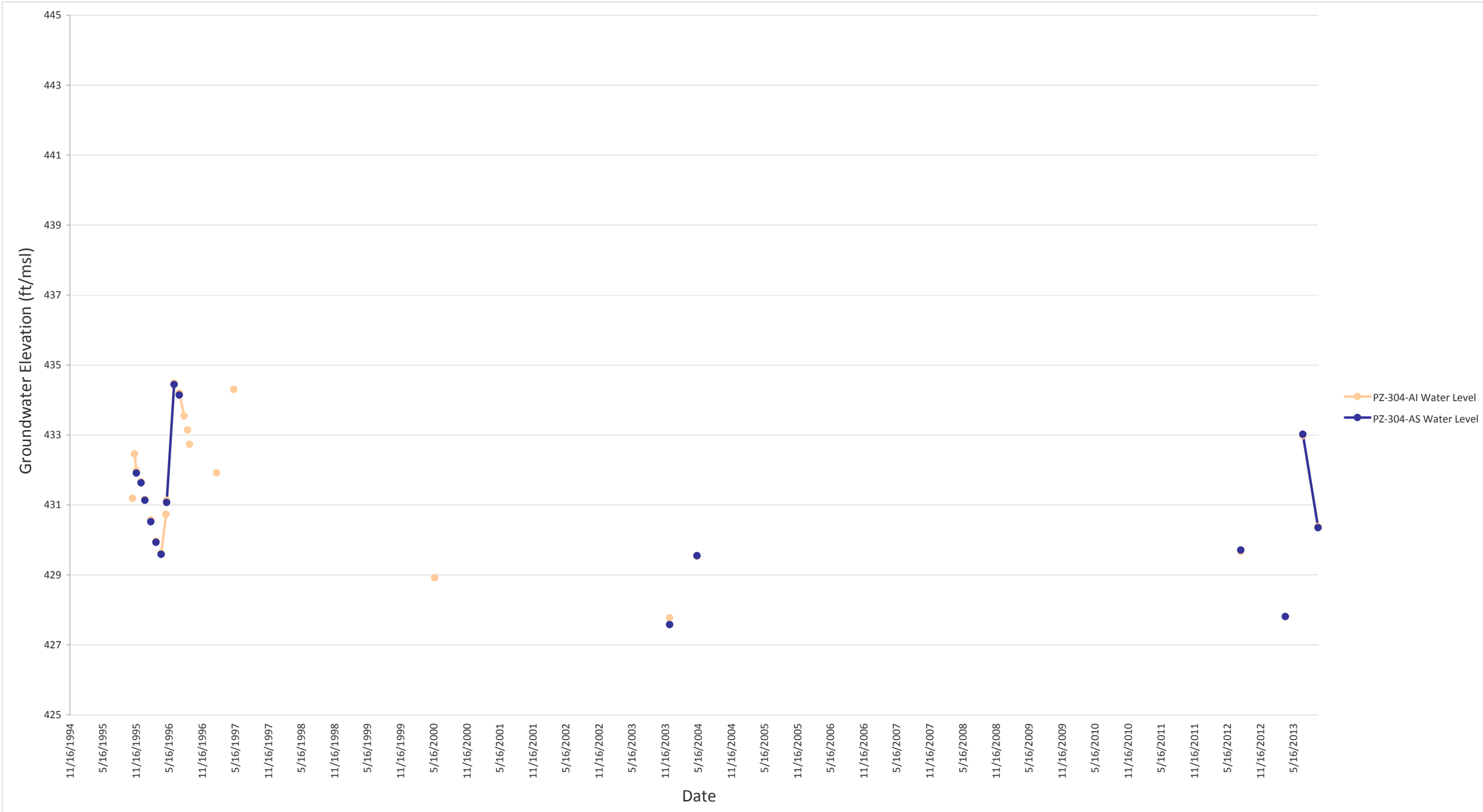
Groundwater Monitoring Wells - PZ-302-AS, PZ-302-AI
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-120



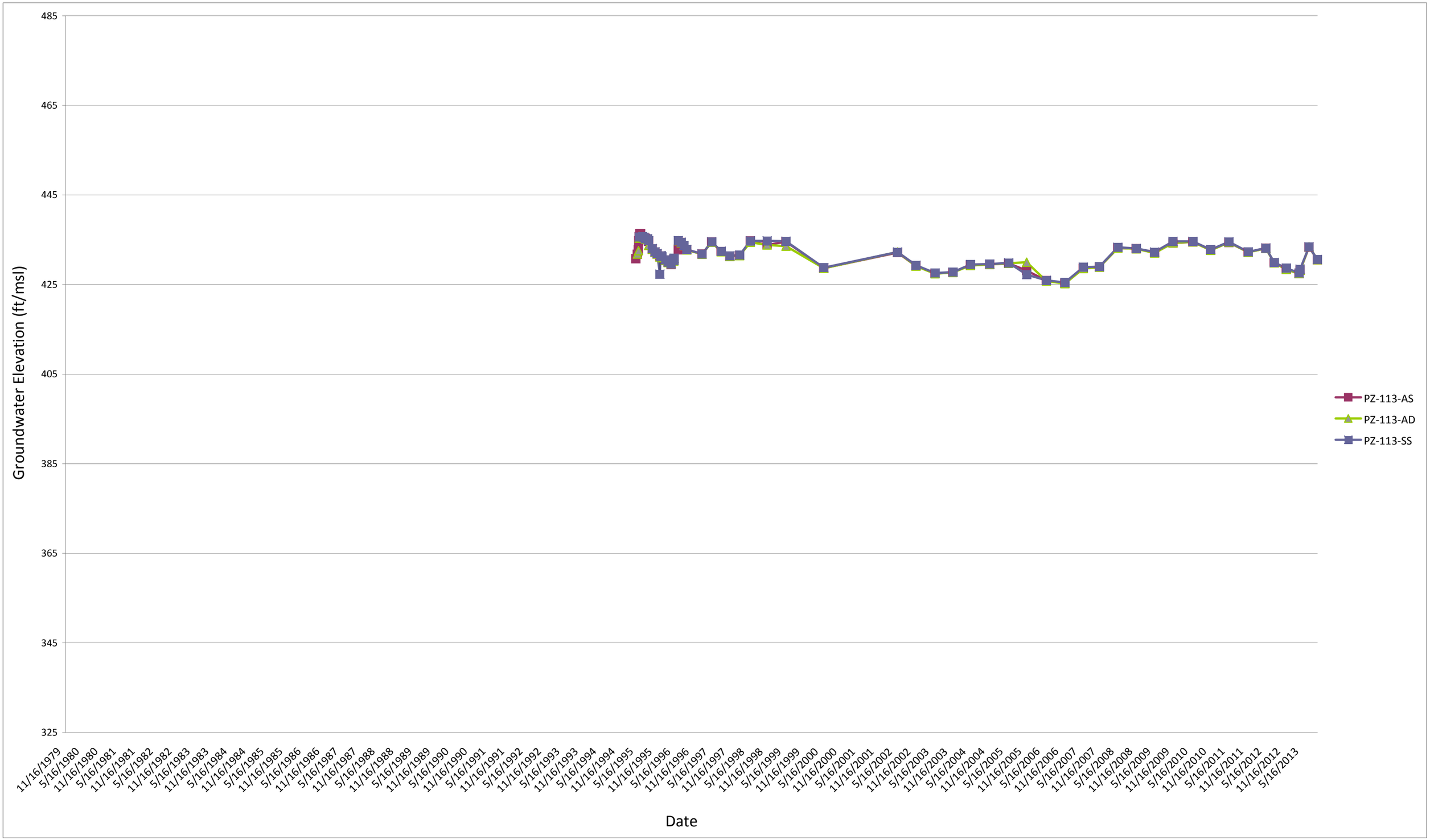
Groundwater Monitoring Wells - PZ-304-AS, PZ-304-AI
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-121



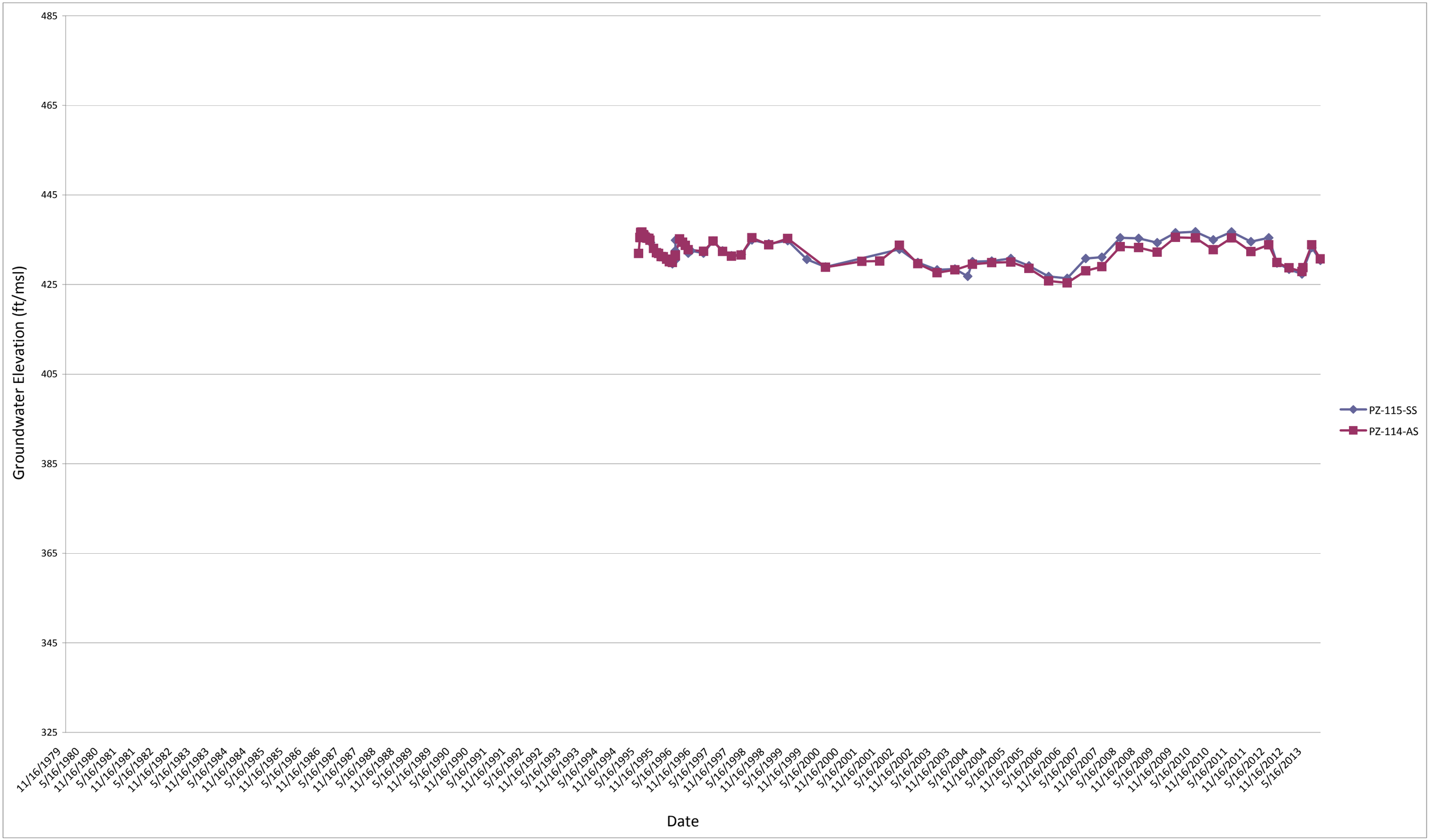
Groundwater Monitoring Wells PZ-113-AS, PZ-113-AD, and PZ-113-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-122



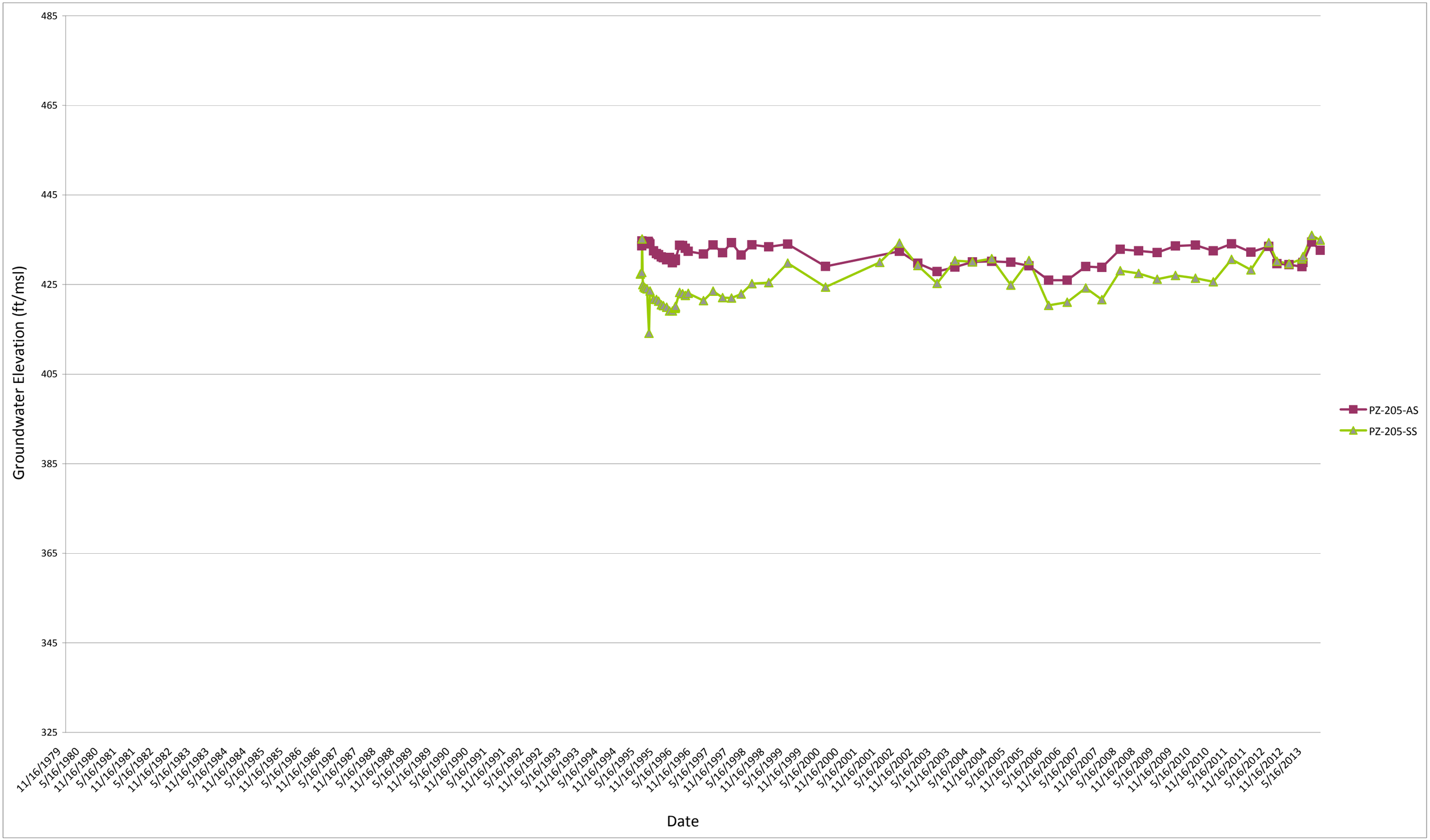
Groundwater Monitoring Wells PZ-114-AS and PZ-115-SS
Groundwater Protentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-123



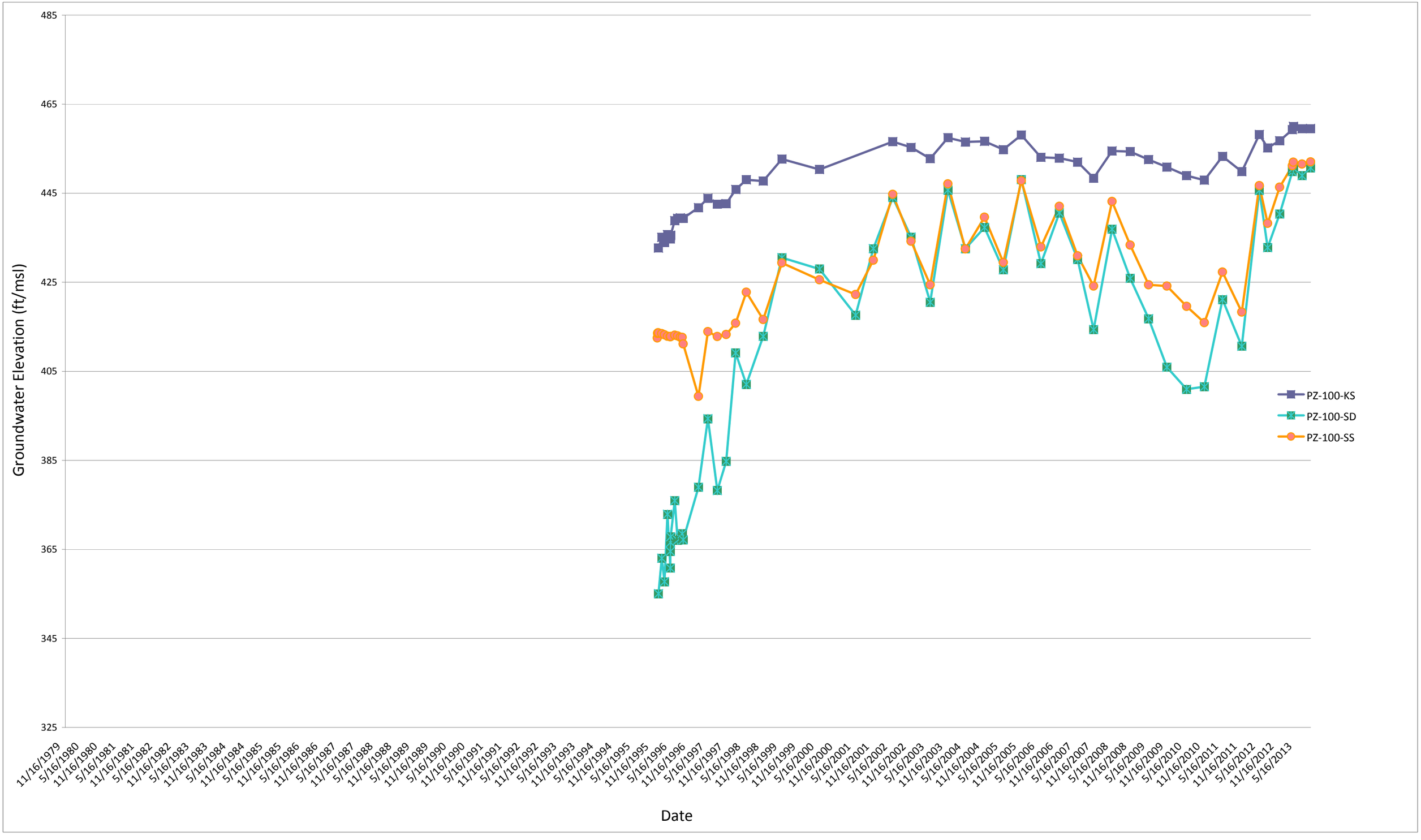
Groundwater Monitoring Wells PZ-205-AS and PZ-205-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-124



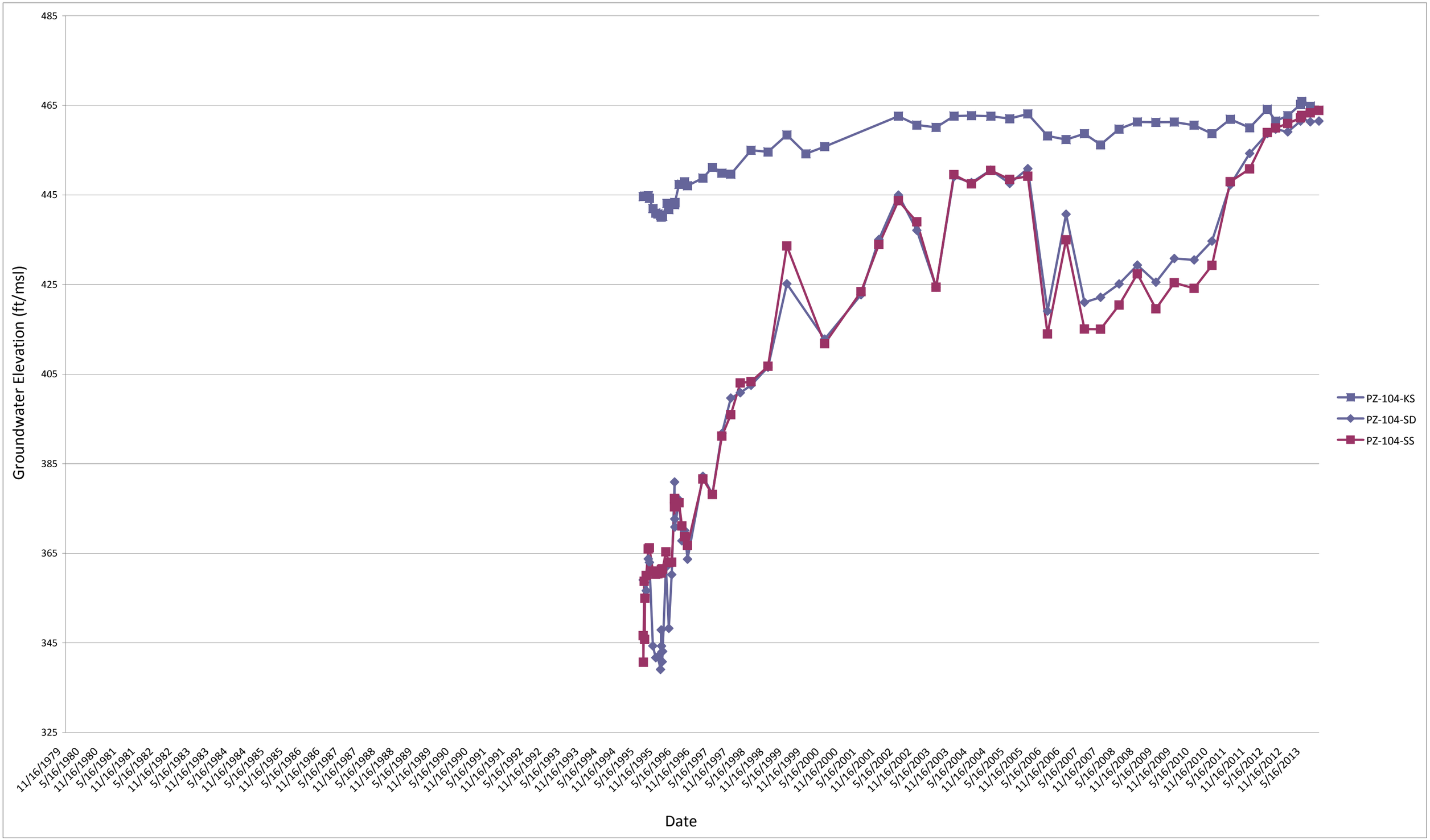
Groundwater Monitoring Wells PZ-100-KS, PZ-100-SS, PZ-100-SD
Groundwater Potentiometric Surface elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-125



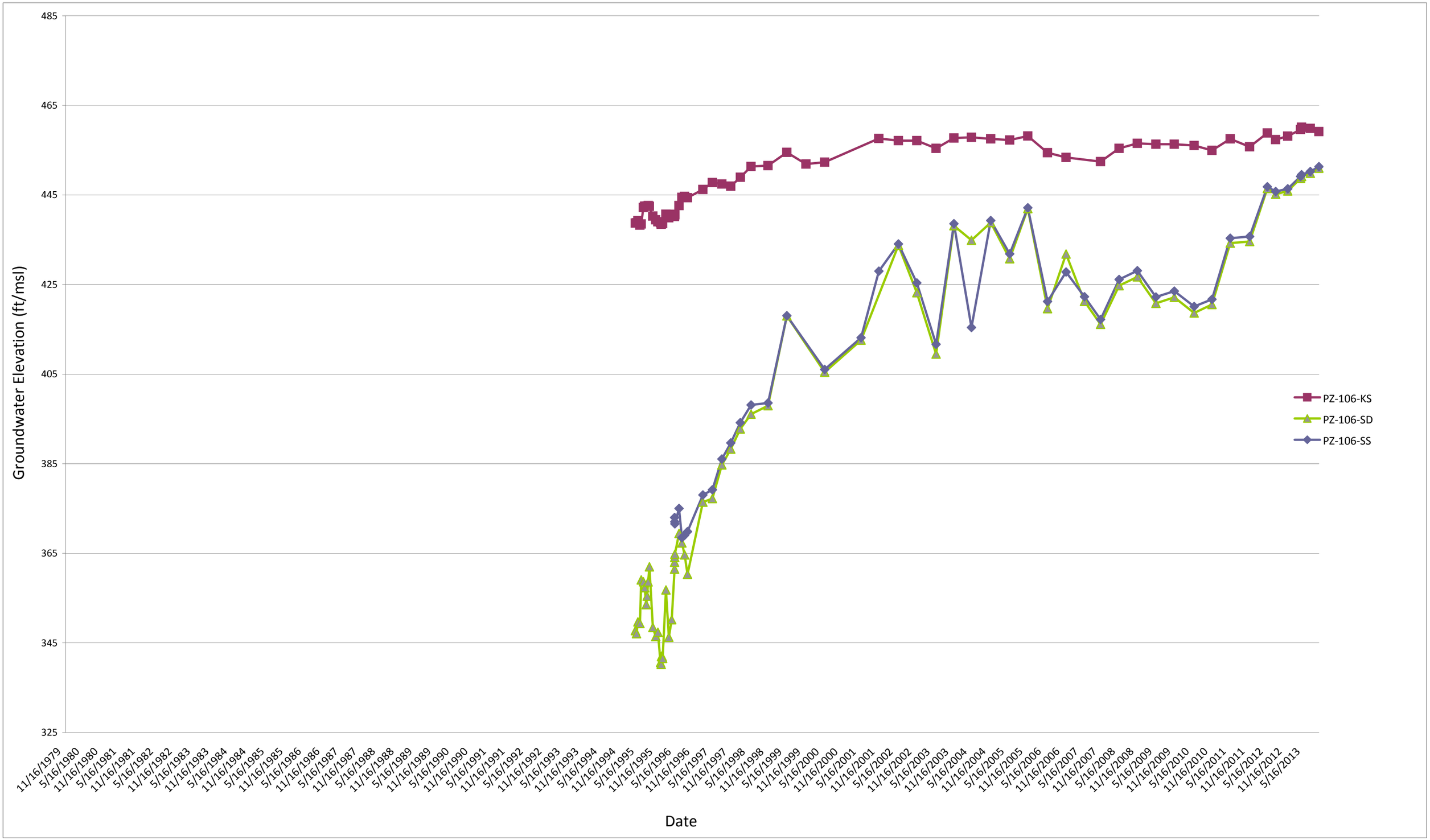
Groundwater Monitoring Wells PZ-104-KS, PZ-104-SS, PZ-104-SD
Groundwater Potentiometric Surface elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-126



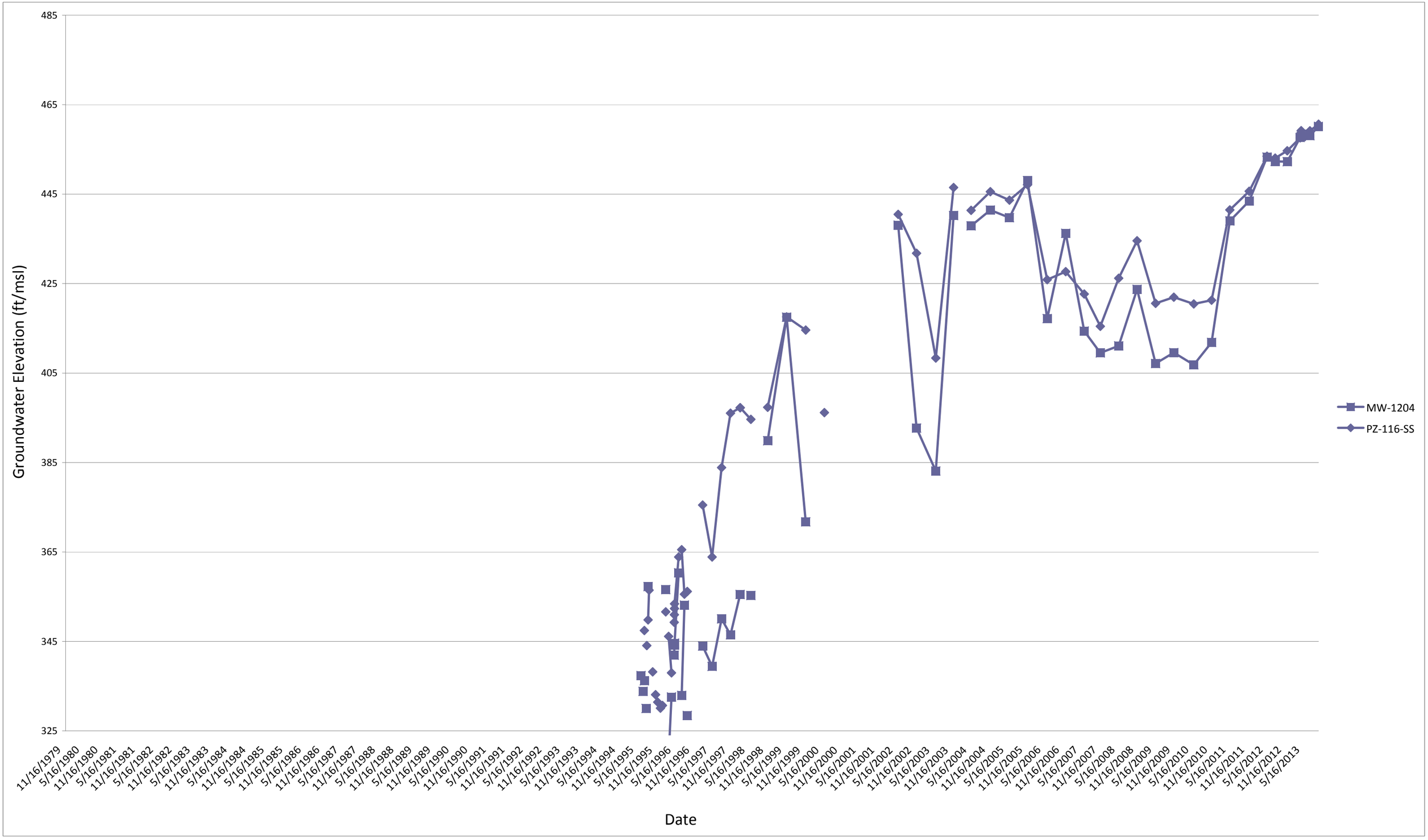
Groundwater Monitoring Wells PZ-106-KS, PZ-106-SS, and PZ-106-SD
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-127



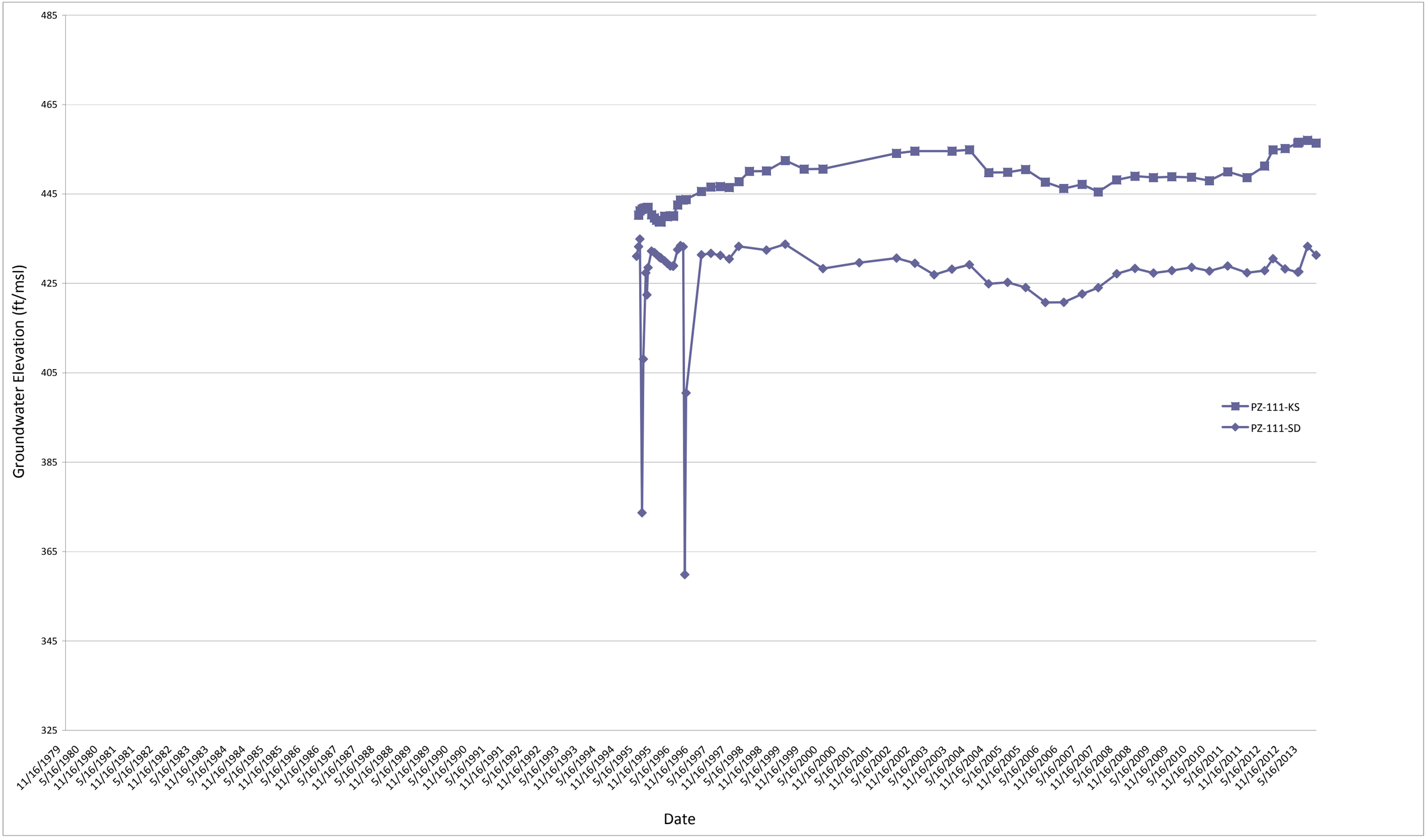
Groundwater Monitoring Wells MW-1204 and PZ-116-SS
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill - Bridgeton, Missouri

Figure J-128

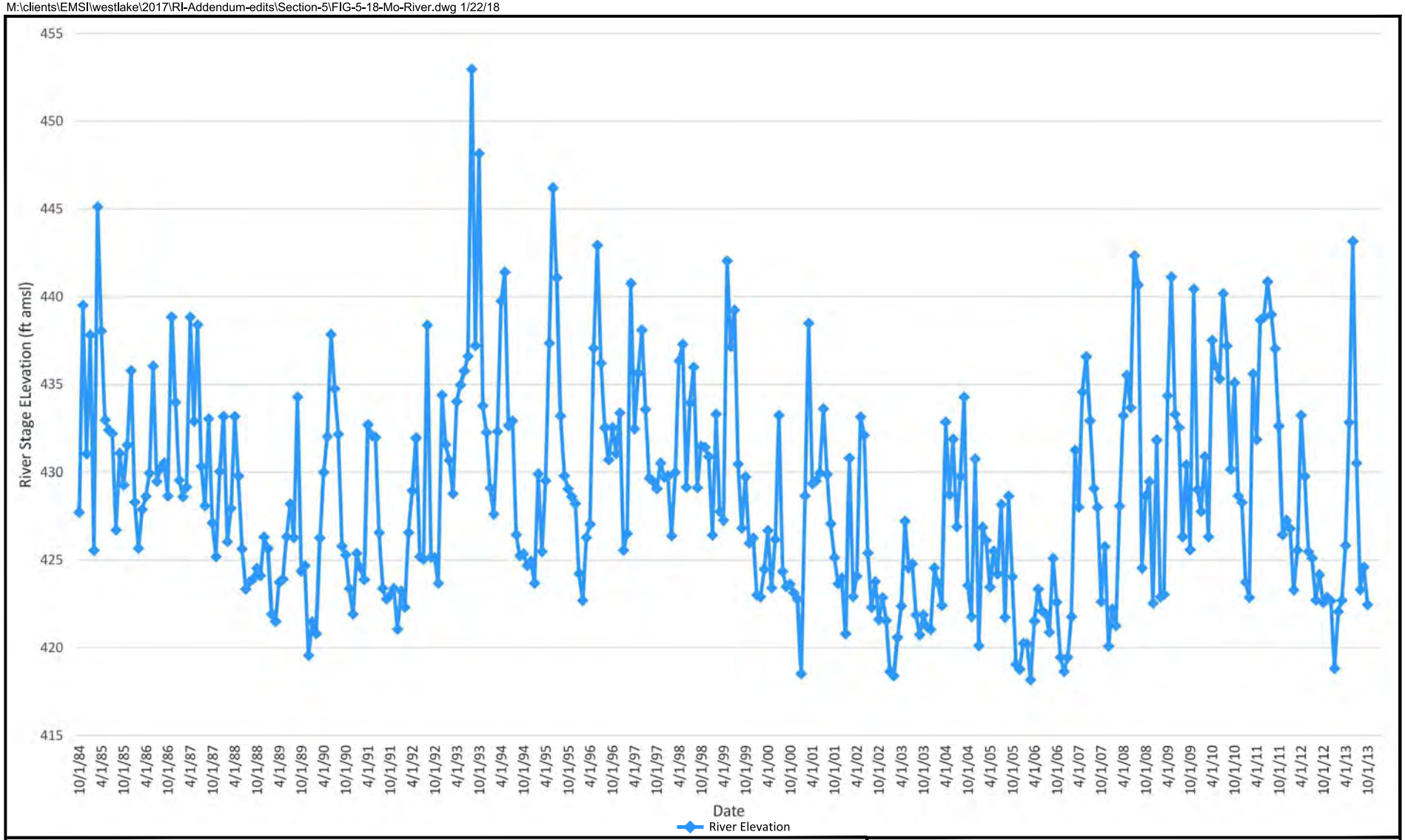


Groundwater Monitoring Wells PZ-111-KS, PS-111-SD
Groundwater Potentiometric Surface Elevation
Bridgeton Landfill, Bridgeton, Missouri

Figure J-129



M:\clients\EMSI\westlake\2017\RI-Addendum-edits\Section-5\FIG-5-18-Mo-River.dwg 1/22/18



Measurements taken at USGS Gaging Station 06935965 - Missouri River at St. Charles

Figure 5-18

Missouri River Stage

West Lake Landfill OU-1 RI Addendum

EMSI Engineering Management Support, Inc.

APPENDIX P

LOCATIONS OF PERCHED WATER

DRAFT

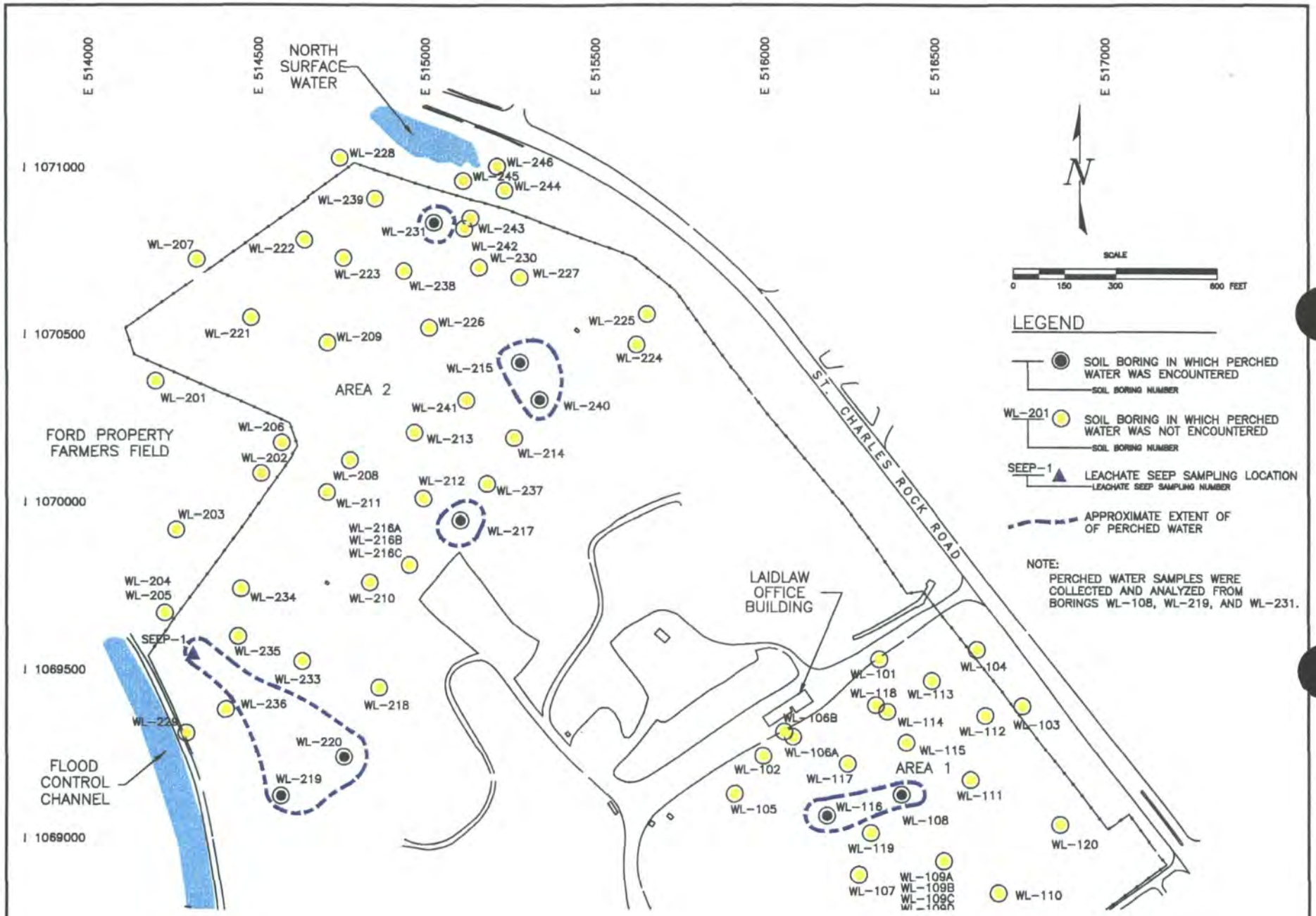


Figure 3-11 : Locations of Perched Water Bodies

APPENDIX Q

VERTICAL GRADIENTS

DRAFT

Table 3-12. Vertical Hydraulic Gradient - October 28, 1995
West Lake Landfill

Interval Monitored	Piezometer Pair	Δ H	Δ L	i_v
Shallow Alluvium to Intermediate Alluvium	PZ-302-AS / PZ-302-AI	432.34-432.16	432.40-412.50	0.009
Shallow Alluvium to Intermediate Alluvium	PZ-304-AS / PZ-304-AI	432.19-432.19	429.40-407.70	0
Shallow Alluvium to Deep Alluvium	PZ-113-AS / PZ-113-AD	432.19-432.28	425.92-356.36	-0.0013
Shallow Alluvium to Deep Alluvium	PZ-300-AS / PZ-300-AD	436.41-432.89	433.70-408.60	0.14
Shallow Alluvium to St. Louis/Salem	PZ-114-AS / PZ-115-SS	432.11-413.09	424.78-370.03	0.34
Shallow Alluvium to St. Louis/Salem	PZ-205-AS / PZ-205-SS	431.90-421.69	416.88-367.56	0.21
Deep Alluvium to St. Louis/Salem	PZ-113-AD / PZ-113-SS	432.28-432.29	356.36-306.36	-0.0002
Deep Alluvium to St. Louis/Salem	PZ-300-AD / PZ-300-SS	432.89-428.62	408.60-359.61	0.09
St. Louis/Salem to Deep Salem	PZ-100-SS / PZ-100-SD	414.04-363.78	400.57-244.65	0.32
St. Louis/Salem to Deep Salem	PZ-104-SS / PZ-104-SD	360.34-341.68	342.16-241.25	0.18
St. Louis/Salem to Deep Salem	PZ-106-SS / PZ-106-SD	350.41-346.40	300.75-265.75	0.11
Deep Salem to Keokuk	PZ-100-SD / PZ-100-KS	363.78-433.90	244.65-104.86	-0.50
Deep Salem to Keokuk	PZ-104-SD / PZ-104-KS	341.68-440.99	241.25-80.05	-0.62
Deep Salem to Keokuk	PZ-106-SD / PZ-106-KS	346.40-439.47	265.75-93.07	-0.53
Deep Salem to Keokuk	PZ-111-SD / PZ-111-KS	431.90-439.68	254.92-97.18	-0.05

Δ H = Head differential
Δ L = Distance differential
i_v = vertical gradient
(-) The negative sign is used in the contect of this table to represent an upward gradient (i_v). Thus, a positive value represent a downward gradient.

Table 3-13. Vertical Hydraulic Gradient - January 4, 1996
West Lake Landfill

Interval Monitored	Piezometer Pair	Δ H	Δ L	i_v
Shallow Alluvium to Intermediate Alluvium	PZ-302-AS / PZ-302-AI	431.34-431.27	432.40-412.50	0.004
Shallow Alluvium to Intermediate Alluvium	PZ-304-AS / PZ-304-AI	431.13-431.16	429.40-407.70	-0.008
Shallow Alluvium to Deep Alluvium	PZ-113-AS / PZ-113-AD	431.07-431.03	425.92-356.36	0.006
Shallow Alluvium to Deep Alluvium	PZ-300-AS / PZ-300-AD	434.11-432.12	433.70-408.60	0.08
Shallow Alluvium to St. Louis/Salem	PZ-114-AS / PZ-115-SS	431.20-414.34	424.78-370.03	0.31
Shallow Alluvium to St. Louis/Salem	PZ-205-AS / PZ-205-SS	430.98-420.28	416.88-367.56	0.22
Deep Alluvium to St. Louis/Salem	PZ-113-AD / PZ-113-SS	431.03-431.16	356.36-306.36	-0.003
Deep Alluvium to St. Louis/Salem	PZ-300-AD / PZ-300-SS	432.12-427.50	408.60-359.61	0.09
St. Louis/Salem to Deep Salem	PZ-100-SS / PZ-100-SD	413.63-355.04	400.57-244.65	0.38
St. Louis/Salem to Deep Salem	PZ-104-SS / PZ-104-SD	361.53-343.15	342.16-241.25	0.18
St. Louis/Salem to Deep Salem	PZ-106-SS / PZ-106-SD	343.70-341.52	300.75-265.75	0.06
Deep Salem to Keokuk	PZ-100-SD / PZ-100-KS	355.04-432.69	244.65-104.86	-0.56
Deep Salem to Keokuk	PZ-104-SD / PZ-104-KS	343.15-440.22	241.25-80.05	-0.6
Deep Salem to Keokuk	PZ-106-SD / PZ-106-KS	341.52-438.61	265.75-93.07	-0.56
Deep Salem to Keokuk	PZ-111-SD / PZ-111-KS	430.63-438.77	254.92-97.18	-0.05

Δ H = Head differential
Δ L = Distance differential
i_v = vertical gradient
(-) The negative sign is used in the contect of this table to represent an upward gradient (i_v). Thus, a positive value represent a downward gradient.

Table 3-14. Vertical Hydraulic Gradient - April 3, 1996
West Lake Landfill

Interval Monitored	Piezometer Pair	Δ H	Δ L	i_v
Shallow Alluvium to Intermediate Alluvium	PZ-302-AS / PZ-302-AI	430.03-426.75	432.40-412.50	0.16
Shallow Alluvium to Intermediate Alluvium	PZ-304-AS / PZ-304-AI	429.59-429.62	429.40-407.70	-0.0014
Shallow Alluvium to Deep Alluvium	PZ-113-AS / PZ-113-AD	429.48-429.62	425.92-356.36	-0.002
Shallow Alluvium to Deep Alluvium	PZ-300-AS / PZ-300-AD	434.02-430.63	433.70-408.60	0.14
Shallow Alluvium to St. Louis/Salem	PZ-114-AS / PZ-115-SS	429.93-414.31	424.78-370.03	0.28
Shallow Alluvium to St. Louis/Salem	PZ-205-AS / PZ-205-SS	429.85-419.11	416.88-367.56	0.22
Deep Alluvium to St. Louis/Salem	PZ-113-AD / PZ-113-SS	429.62-429.65	356.36-306.36	-0.0006
Deep Alluvium to St. Louis/Salem	PZ-300-AD / PZ-300-SS	430.63-426.58	408.60-359.61	0.08
St. Louis/Salem to Deep Salem	PZ-100-SS / PZ-100-SD	412.87-372.88	400.57-244.65	0.26
St. Louis/Salem to Deep Salem	PZ-104-SS / PZ-104-SD	362.99-360.25	342.16-241.25	0.03
St. Louis/Salem to Deep Salem	PZ-106-SS / PZ-106-SD	357.55-350.17	300.75-265.75	0.21
Deep Salem to Keokuk	PZ-100-SD / PZ-100-KS	372.88-435.71	244.65-104.86	-0.45
Deep Salem to Keokuk	PZ-104-SD / PZ-104-KS	360.25-442.94	241.25-80.05	-0.51
Deep Salem to Keokuk	PZ-106-SD / PZ-106-KS	350.17-440.50	265.75-93.07	-0.52
Deep Salem to Keokuk	PZ-111-SD / PZ-111-KS	428.90-440.13	254.92-97.18	-0.07

Δ H = Head differential
Δ L = Distance differential
i_v = vertical gradient
(-) The negative sign is used in the contect of this table to represent an upward gradient (i_v). Thus, a positive value represent a downward gradient.

Table 3-15. Vertical Hydraulic Gradient - May 3, 1996
West Lake Landfill

Interval Monitored	Piezometer Pair	Δ H	Δ L	i_v
Shallow Alluvium to Intermediate Alluvium	PZ-302-AS / PZ-302-AI	431.26-431.10	432.40-412.50	0.008
Shallow Alluvium to Intermediate Alluvium	PZ-304-AS / PZ-304-AI	431.07-431.13	429.40-407.70	-0.003
Shallow Alluvium to Deep Alluvium	PZ-113-AS / PZ-113-AD	430.79-430.81	425.92-356.36	-0.003
Shallow Alluvium to St. Louis/Salem	PZ-114-AS / PZ-115-SS	431.60-423.51	424.78-370.03	0.15
Shallow Alluvium to St. Louis/Salem	PZ-205-AS / PZ-205-SS	430.68-420.13	416.88-367.56	0.21
Deep Alluvium to St. Louis/Salem	PZ-113-AD / PZ-113-SS	430.81-430.89	356.36-306.36	-0.002
St. Louis/Salem to Deep Salem	PZ-100-SS / PZ-100-SD	412.83-367.82	400.57-244.65	0.29
St. Louis/Salem to Deep Salem	PZ-104-SS / PZ-104-SD	376.44-370.88	342.16-241.25	0.06
St. Louis/Salem to Deep Salem	PZ-106-SS / PZ-106-SD	371.56-364.81	300.75-265.75	0.19
Deep Salem to Keokuk	PZ-100-SD / PZ-100-KS	367.82-435.56	244.65-104.86	-0.48
Deep Salem to Keokuk	PZ-104-SD / PZ-104-KS	370.88-443.35	241.25-80.05	-0.45
Deep Salem to Keokuk	PZ-106-SD / PZ-106-KS	364.81-440.68	365.75-93.07	-0.43
Deep Salem to Keokuk	PZ-111-SD / PZ-111-KS	429.00-440.16	254.92-97.18	-0.07

Δ H = Head differential
Δ L = Distance differential
i_v = vertical gradient
(-) The negative sign is used in the contect of this table to represent an upward gradient (i_v). Thus, a positive value represent a downward gradient.

Table 3-16. Vertical Hydraulic Gradient - July 12, 1996
West Lake Landfill

Interval Monitored	Piezometer Pair	Δ H	Δ L	i_v
Shallow Alluvium to Intermediate Alluvium	PZ-302-AS / PZ-302-AI	434.12-434.05	432.40-412.50	0.0035
Shallow Alluvium to Intermediate Alluvium	PZ-304-AS / PZ-304-AI	434.14-434.20	429.40-407.70	-0.003
Shallow Alluvium to Deep Alluvium	PZ-113-AS / PZ-113-AD	434.39-434.35	425.92-356.36	0.0006
Shallow Alluvium to St. Louis/Salem	PZ-114-AS / PZ-115-SS	434.46-421.85	424.78-370.03	0.23
Shallow Alluvium to St. Louis/Salem	PZ-205-AS / PZ-205-SS	433.71-422.97	416.88-367.56	0.22
Deep Alluvium to St. Louis/Salem	PZ-113-AD / PZ-113-SS	434.35-434.46	356.36-306.36	-0.002
St. Louis/Salem to Deep Salem	PZ-100-SS / PZ-100-SD	412.94-367.04	400.57-244.65	0.29
St. Louis/Salem to Deep Salem	PZ-104-SS / PZ-104-SD	371.10-367.77	342.16-241.25	0.03
St. Louis/Salem to Deep Salem	PZ-106-SS / PZ-106-SD	368.46-367.31	300.75-265.75	0.03
Deep Salem to Keokuk	PZ-100-SD / PZ-100-KS	367.04-439.35	244.65-104.86	-0.52
Deep Salem to Keokuk	PZ-104-SD / PZ-104-KS	367.77-447.40	241.25-80.05	-0.49
Deep Salem to Keokuk	PZ-106-SD / PZ-106-KS	367.31-444.46	265.75-93.07	-0.45
Deep Salem to Keokuk	PZ-111-SD / PZ-111-KS	433.46-443.66	254.92-97.18	-0.06

Δ H = Head differential
Δ L = Distance differential
i_v = vertical gradient
(-) The negative sign is used in the contect of this table to represent an upward gradient (i_v). Thus, a positive value represent a downward gradient.

Table 3: Vertical Groundwater Gradients, September 30, 2013

Well	Water Level Elevation (ft amsl)	Original Top of Screen Elevation (ft amsl)	Original Bottom of Screen Elevation (ft amsl)	Midpoint Elevation of Screen Interval (ft amsl)	Head Difference (ft)	Difference in Screen Midpoint Elevations (ft)	Vertical Gradient (ft/ft)
Alluvial Well Clusters							
S-5	430.69	435.70	425.70	430.70	0.20	36.20	0.0055
I-4	430.49	399.50	389.50	394.50	0.07	28.80	0.0024
D-3	430.42	370.70	360.70	365.70	0.27	65.00	0.0042
MW-102	429.97	432.18	422.18	427.18	0.24	84.28	0.0028
D-6	429.73	347.90	337.90	342.90			
S-10	430.12	445.50	425.50	435.50	0.00	43.40	0.0000
I-11	430.12	397.10	387.10	392.10	0.06	53.40	0.0011
D-12	430.06	343.70	333.70	338.70	0.06	96.80	0.0006
S-8	430.02	434.80	414.80	424.80	-0.35	19.70	-0.0178
I-62	430.37	410.10	400.10	405.10	0.19	47.70	0.0040
D-83	430.18	367.40	347.40	357.40	-0.16	67.40	-0.0024
S-84	430.44	432.00	422.00	427.00	0.01	45.90	0.0002
D-85	430.43	391.10	371.10	381.10			
S-82	430.15	432.20	422.20	427.20	0.99	26.80	0.0369
I-9	429.16	405.40	395.40	400.40	-1.85	29.70	-0.0623
D-93	431.01	380.70	360.70	370.70	-0.86	56.50	-0.0152
PZ-302-AS	430.77	437.30	427.50	432.40	0.27	19.90	0.0136
PZ-302-AI	430.50	417.40	407.60	412.50			
PZ-304-AS	430.35	434.30	424.50	429.40	-0.03	21.70	-0.0014
PZ-304-AI	430.38	412.60	402.80	407.70			
Alluvial and Bedrock Well Clusters							
PZ-113-AS	430.50	431.00	421.20	426.10	-0.06	69.70	-0.0009
PZ-113-AD	430.56	361.30	351.50	356.40	-0.04	49.87	-0.0008
PZ-113-SS	430.60	311.43	301.63	306.53	-0.10	119.57	-0.0008
PZ-205-AS	432.64	420.75	410.95	415.85	-2.26	49.82	-0.0454
PZ-205-SS	434.90	370.93	361.13	366.03			

Notes: Positive values for vertical gradient indicate a downward gradient whereas negative values indicate an upward gradient

Table 5-6: Summary of Vertical Groundwater Gradients, 2012 - 2013 Monitoring Events

Well	Vertical Gradient (ft/ft)						
	July 30, 2012	April 2, 2013	July 8, 2013	September 30, 2013	Avg	Min	Max
Alluvial Well Clusters							
S-5	0.0072	0.0390	0.0097	0.0055	0.0153	0.0055	0.0390
I-4	0.0128	0.0014	0.0003	0.0024	0.0043	0.0003	0.0128
D-3	0.0097	0.0223	0.0055	0.0042	0.0104	0.0042	0.0223
MW-102	0.0034	0.0088	0.0025	0.0028	0.0044	0.0025	0.0088
D-6							
S-10	0.0018	0.0016	0.0000	0.0000	0.0009	0.0000	0.0018
I-11	0.0006	-0.0015	0.0011	0.0011	0.0003	-0.0015	0.0011
D-12	0.0011	-0.0001	0.0006	0.0006	0.0006	-0.0001	0.0011
S-8	-0.0168	-0.0188	-0.0142	-0.0178	-0.0169	-0.0188	-0.0142
I-62	0.0005	0.0003	0.0025	0.0040	0.0018	0.0003	0.0040
D-83	-0.0009	-0.0012	-0.0024	-0.0024	-0.0017	-0.0024	-0.0009
S-84	0.0001	-0.0002	0.0214	0.0002	0.0054	-0.0002	0.0214
D-85							
S-82	0.0002	0.0051	-0.0011	0.0369	0.0103	-0.0011	0.0369
I-9	0.0024	0.0640	-0.0300	-0.0623	-0.0065	-0.0623	0.0640
D-93	-0.0003	-0.0059	-0.0163	-0.0152	-0.0094	-0.0163	-0.0003
PZ-302-AS	0.1166	0.0911	0.0352	0.0136	0.0641	0.0136	0.1166
PZ-302-AI							
PZ-304-AS	0.0018	0.0000	-0.0198	-0.0014	-0.0048	-0.0198	0.0018
PZ-304-AI							
Alluvial and Bedrock Well Clusters							
PZ-113-AS	-0.0001	-0.0009	-0.0013	-0.0009	-0.0008	-0.0013	-0.0001
PZ-113-AD	-0.0012	-0.0018	0.0002	-0.0008	-0.0009	-0.0018	0.0002
PZ-113-SS	-0.0006	-0.0013	-0.0007	-0.0008	-0.0008	-0.0013	-0.0006
PZ-205-AS	-0.0110	-0.0347	-0.0299	-0.0454	-0.0303	-0.0454	-0.0110
PZ-205-SS							

Note: Positive values for vertical gradient indicate a downward gradient whereas negative values indicate an upward gradient.