Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

Clint Babcock
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April 29, 2009

Ms. Gloria M. Sosa
United States Environmental Protection Agency
Region II, Site Investigation & Compliance Branch
290 Broadway, 20th Floor
New York, NY 10007-1866

Mr. Will Welling
New York State Department of Conservation
Remedial Bureau D, 12th Floor
625 Broadway
Albany, NY 12233-7013

Dear Ms. Sosa and Mr. Welling:

Re: **Quarterly Operations Report – 1st Quarter 2009**
Hyde Park Remedial Program
Bedrock and Overburden Monitoring Programs

In accordance with the July 2006 "Performance Monitoring Plan," the following is the quarterly data report for the Hyde Park Remedial Program for the period January 1, 2009 through March 31, 2009. A total of 11.8 million gallons of aqueous phase liquid (APL) was collected, treated, and discharged in compliance with our City of Niagara Falls Publicly Owned Treatment Works (POTW) permit; no non-aqueous phase liquid (NAPL) was shipped for incineration. The potentiometric contours are consistent with previous interpretations. Flow zones 6, 7, and 9 have large dewatered areas between the landfill and the gorge face. The current data continue to support the interpretation of effective hydraulic containment.

The performance monitoring data are presented as follows:

1. Figures 1-9 - Showing groundwater contours for the flow zones and overburden.
2. Figure 10 – Showing continuously recorded water levels at flow zone piezometer PMW-1M-09.
3. Table 1 – Water Level Elevation Summary.
4. Tables 2, 3, and 4 – Daily, Weekly, and Quarterly Treatment System Effluent Monitoring Data.
5. Attachment 1 – Purge well performance graphs indicating daily level and flow information.

The pressure transducer in PMW-1M-09 was mistakenly removed in January 2009, when the pressure transducers from the bedrock Well Abandonment Program were removed upon completion of this program. This issue was discovered on April 1, 2009 and the transducer was replaced into PMW-1M-09 on April 2, 2009. A water level measurement was taken in the well in the end of March 2009. The available levels for January and March (recorded transducer data and the March manual water level measurement) are lower than the maintenance level of 526 feet above mean sea level (AMSL), which was established for the purpose of ensuring that the FZ-09 outcrop along the New York Power Authority access road remains unsaturated. For purposes of demonstrating ongoing containment in FZ-09, Figure 10 shows the water level data (transducer and manual) from January 1, 2009 through April 15, 2009. The figure shows that the water level in PMW-1M-09 remains below the maintenance level.

Between February 9 and February 11, 2009, a wholesale carbon and sand filter changeout was conducted at the Hyde Park Landfill Site. This changeout was voluntarily conducted as part of regularly scheduled maintenance of the treatment system. Approximately 100,000 pounds of spent carbon and sand were shipped off Site for incineration. The sand filters, sacrificial beds, and main carbon beds were filled with new filter media. Vinyl chloride was present in samples collected for the weekly treatment system effluent sampling at a concentration of 1,100 micrograms per liter (µg/L) on February 4, 2009. The weekly sample collected on February 11, 2009, after the changeout had been completed, showed vinyl chloride concentrations present in the treatment system effluent decreased to a concentration of 7.4 µg/L.

An electronic copy of this report is included on the attached CD as an Adobe® Acrobat® file. If you have any questions, please feel free to contact me at 972-687-7506 or by email at clint_babcock@oxy.com.

Very truly yours,

GLENN SPRINGS HOLDINGS, INC.

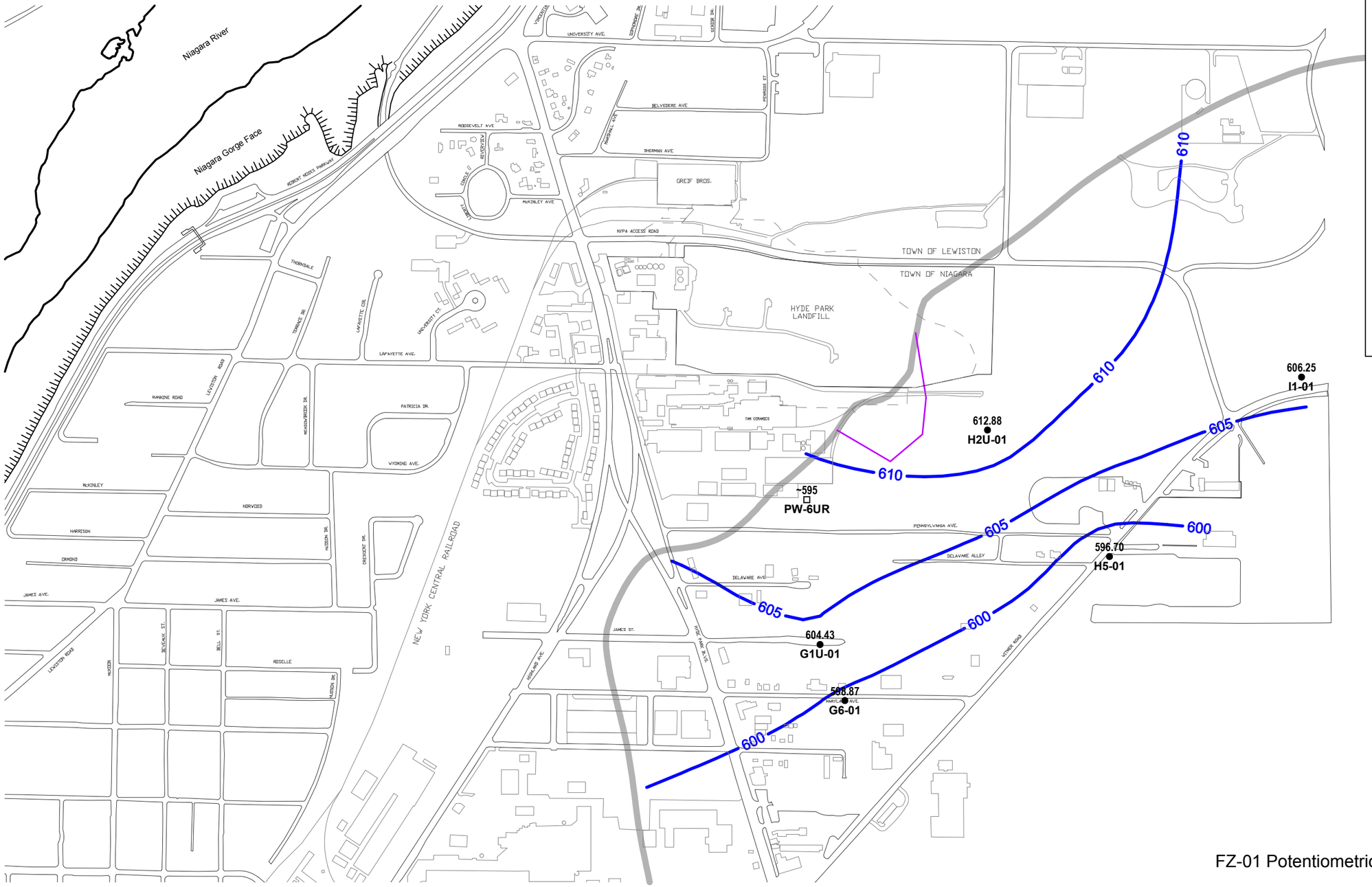
Clinton J Babcock

Clint Babcock
Project Manager

CB/JP/adh/25 (001069)
Encl.

c.c.: M. Anderson, GSHI – 1*
M. Forcucci, NYSDOH – 1*
D. Hoyt, CRA – 1
J. Pentilchuk, CRA – 1
T. Raby, AECOM Environmental – 1*
B. Sadowski, NYSDEC – CD Only
G. Sosa, USEPA – 4*
W. Welling, NYSDEC – 1*

*Include one copy on CD



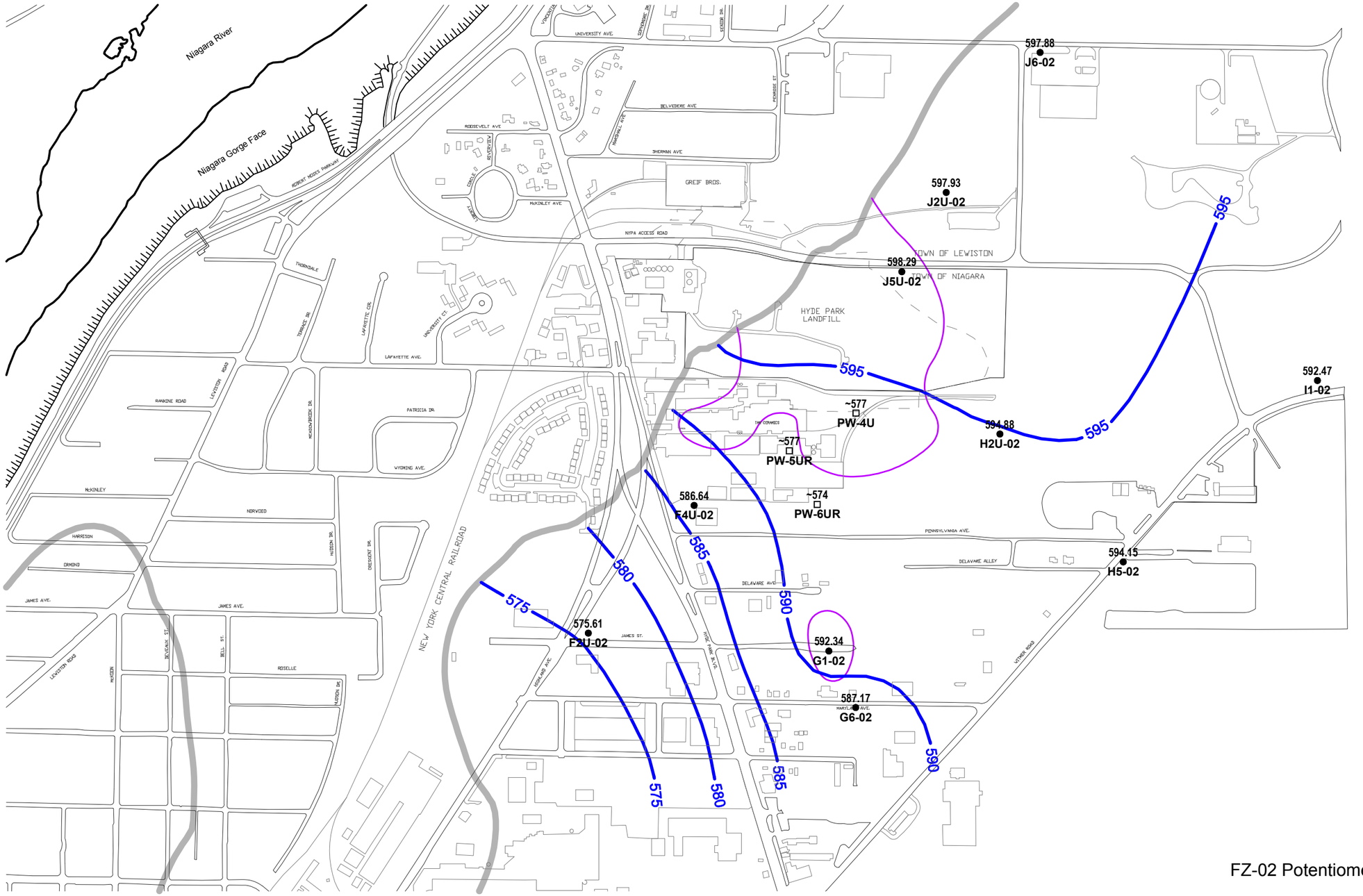
Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- ● Piezometer used in contouring
- ○ Piezometer considered unreliable - data not used in contouring
- □ Purge Well - data not used in contouring
- ~ 525 Tilde indicates the flow zone elevation in a dewatered piezometer or purge well. Contours within the dewatered area are approximately the elevation of the flow zone.

N

0 ft. 200 ft. 400 ft. 600 ft.

figure 1
FZ-01 Potentiometric Surface March 2009
1st Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



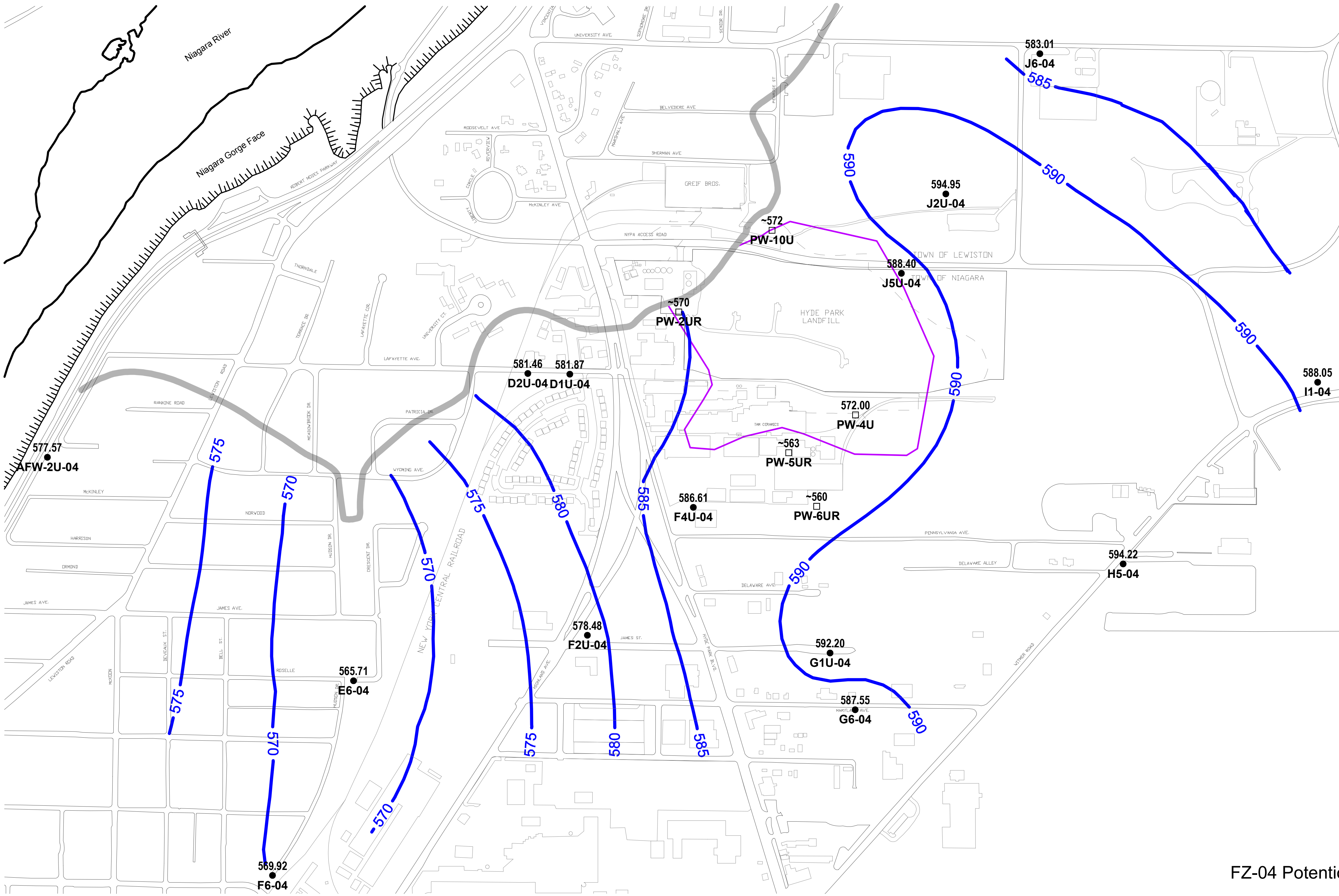
Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- ● Piezometer used in contouring
- ○ Piezometer considered unreliable - data not used in contouring
- □ Purge Well - data not used in contouring
- ~ 525 Tilde indicates the flow zone elevation in a dewatered piezometer or purge well. Contours within the dewatered area are approximately the elevation of the flow zone.

N

0 ft. 200 ft. 400 ft. 600 ft.

figure 2
FZ-02 Potentiometric Surface March 2009
1st Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



Legend

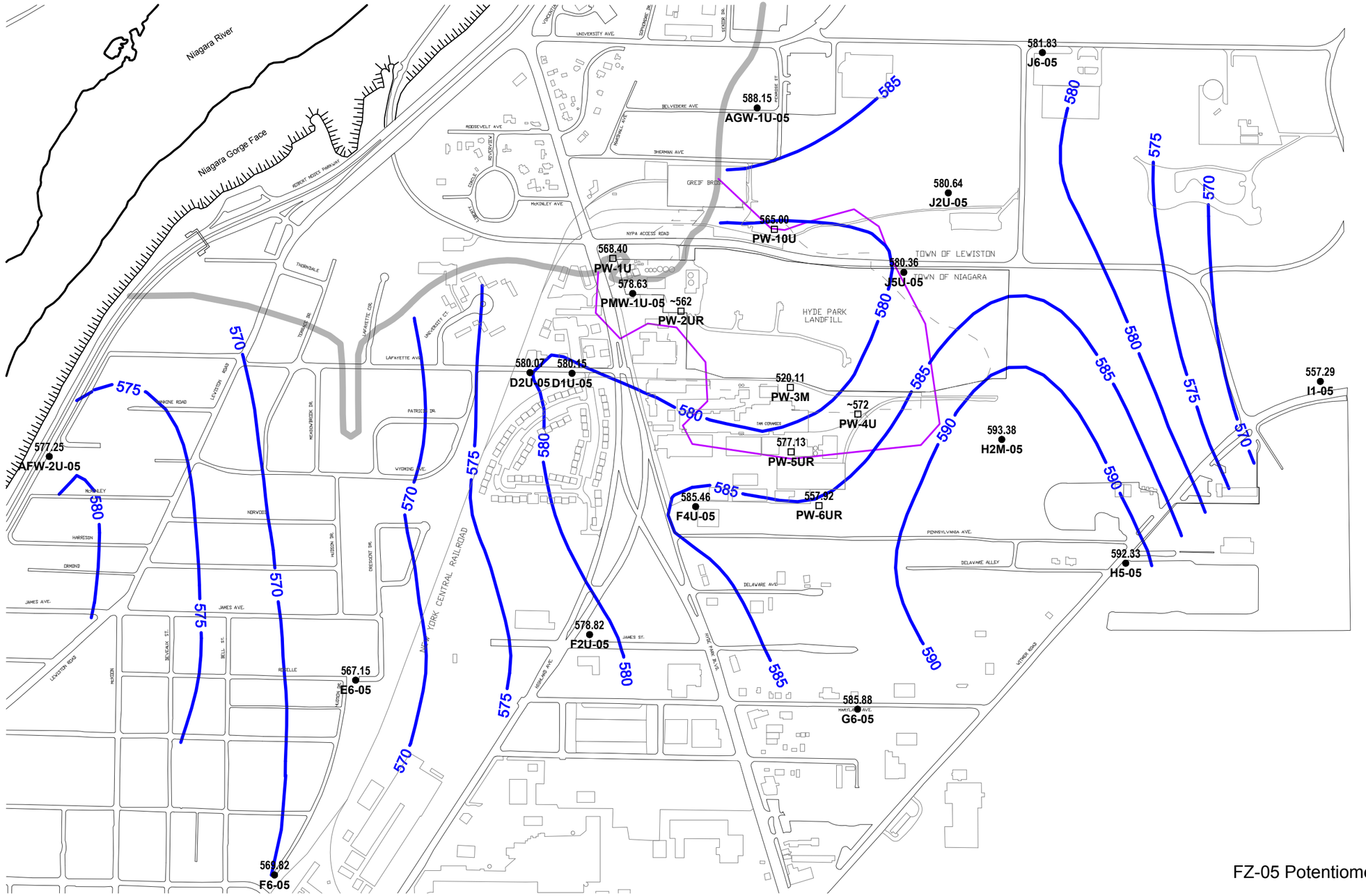
- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring
- ~ 525 Tilde indicates the flow zone elevation in a dewatered piezometer or purge well. Contours within the dewatered area are approximately the elevation of the flow zone.

N

0 ft. 200 ft. 400 ft. 600 ft.

figure 3
FZ-04 Potentiometric Surface March 2009
1st Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York

OXY Glenn Springs Holdings, Inc.



Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- ● Piezometer used in contouring
- ○ Piezometer considered unreliable - data not used in contouring
- □ Purge Well - data not used in contouring
- ~ 525 Tilde indicates the flow zone elevation in a dewatered piezometer or purge well. Contours within the dewatered area are approximately the elevation of the flow zone.

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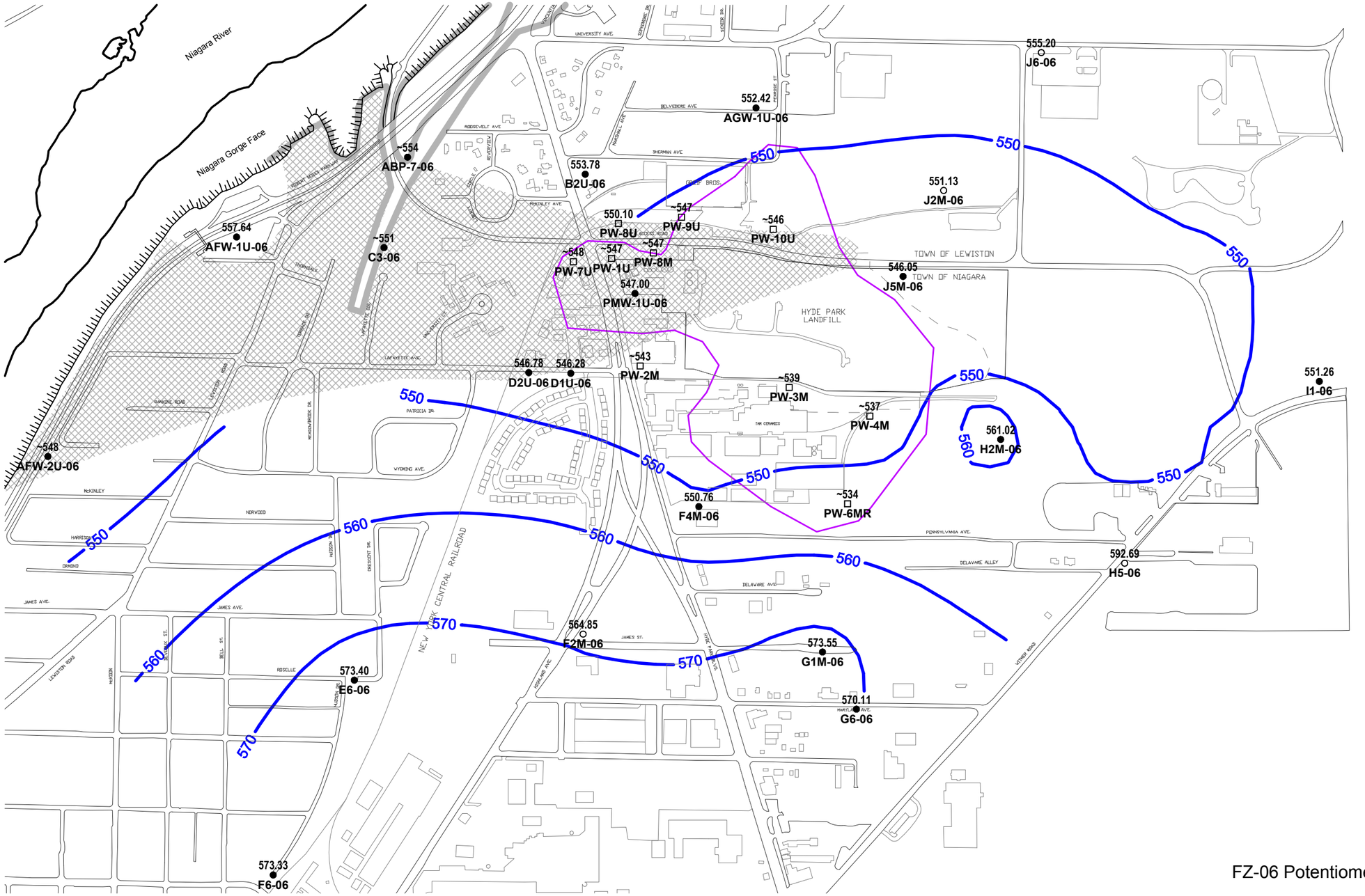
figure 4
FZ-05 Potentiometric Surface March 2009
1st Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York

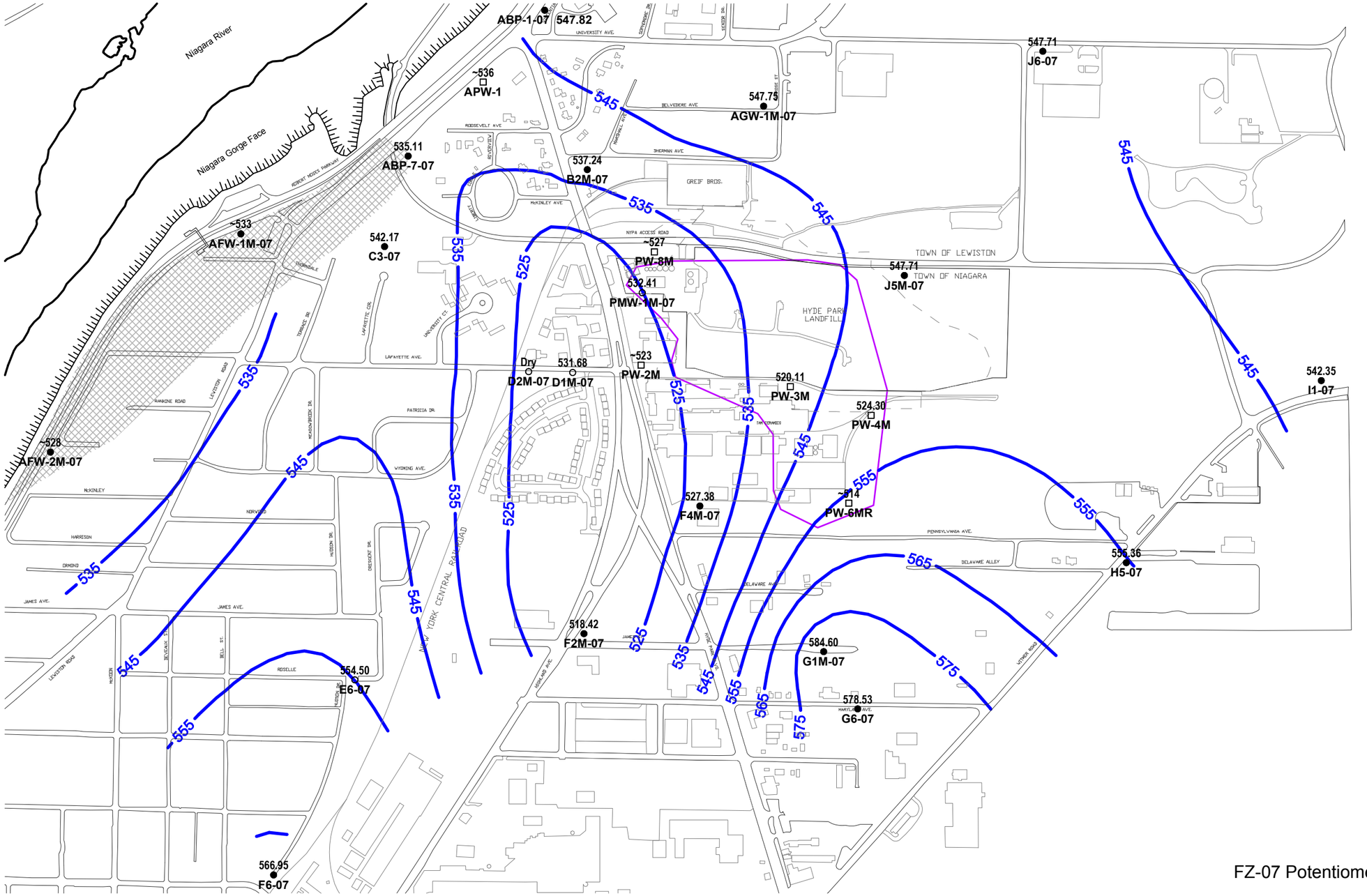


Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- ● Piezometer used in contouring
- ○ Piezometer considered unreliable - data not used in contouring
- □ Purge Well - data not used in contouring
- ~ 525 Tilde indicates the flow zone elevation in a dewatered piezometer or purge well. Contours within the dewatered area are approximately the elevation of the flow zone.

N

figure 5
FZ-06 Potentiometric Surface March 2009
1st Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- ● Piezometer used in contouring
- ○ Piezometer considered unreliable - data not used in contouring
- □ Purge Well - data not used in contouring
- ~ 525 Tilde indicates the flow zone elevation in a dewatered piezometer or purge well. Contours within the dewatered area are approximately the elevation of the flow zone.

figure 6
FZ-07 Potentiometric Surface March 2009
1st Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York

Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- ● Piezometer used in contouring
- ○ Piezometer considered unreliable - data not used in contouring
- □ Purge Well - data not used in contouring
- ~ 525 Tilde indicates the flow zone elevation in a dewatered piezometer or purge well. Contours within the dewatered area are approximately the elevation of the flow zone.

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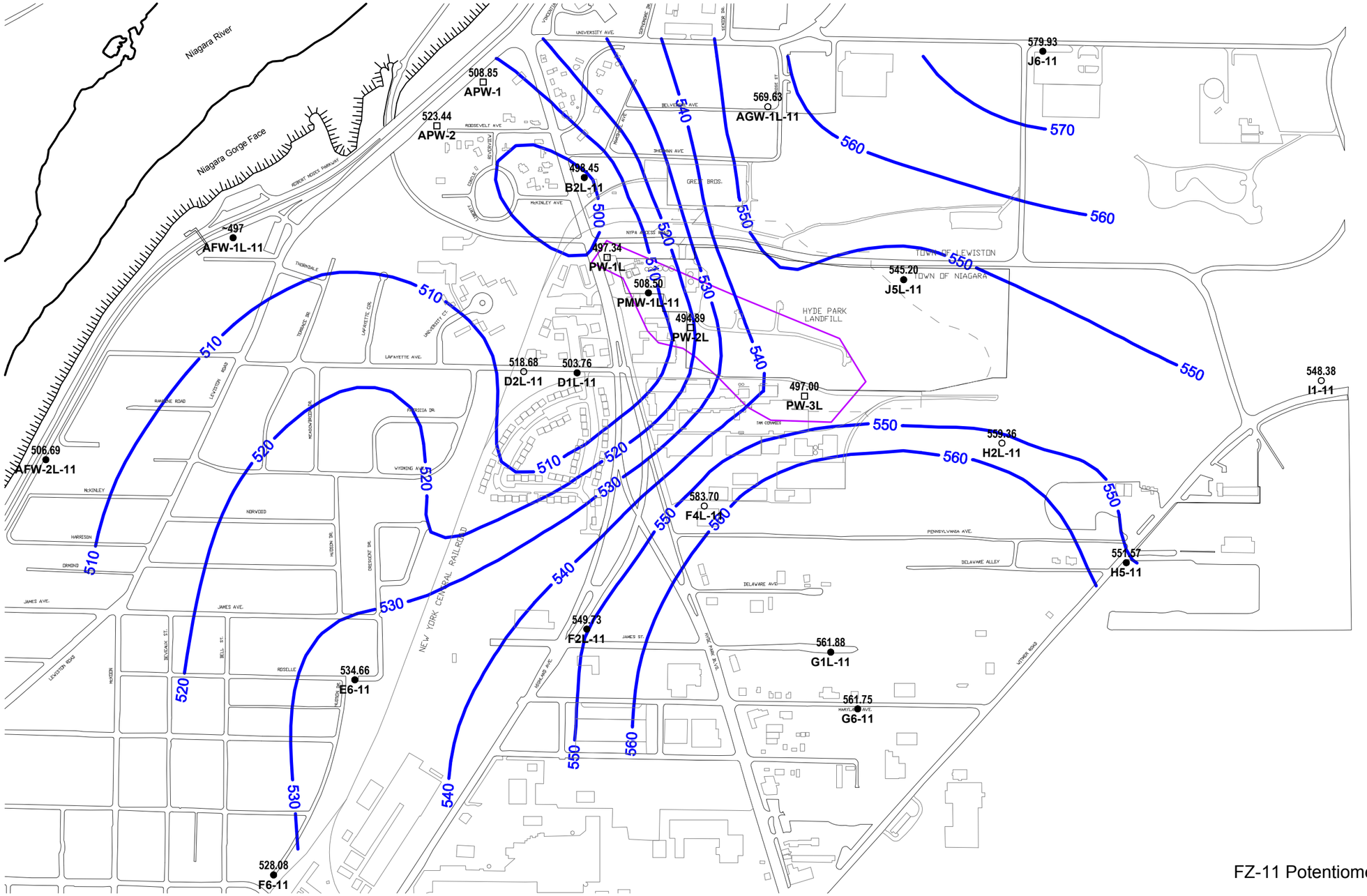
figure 7
FZ-09 Potentiometric Surface March 2009
1st Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York

Glenn Springs Holdings, Inc.

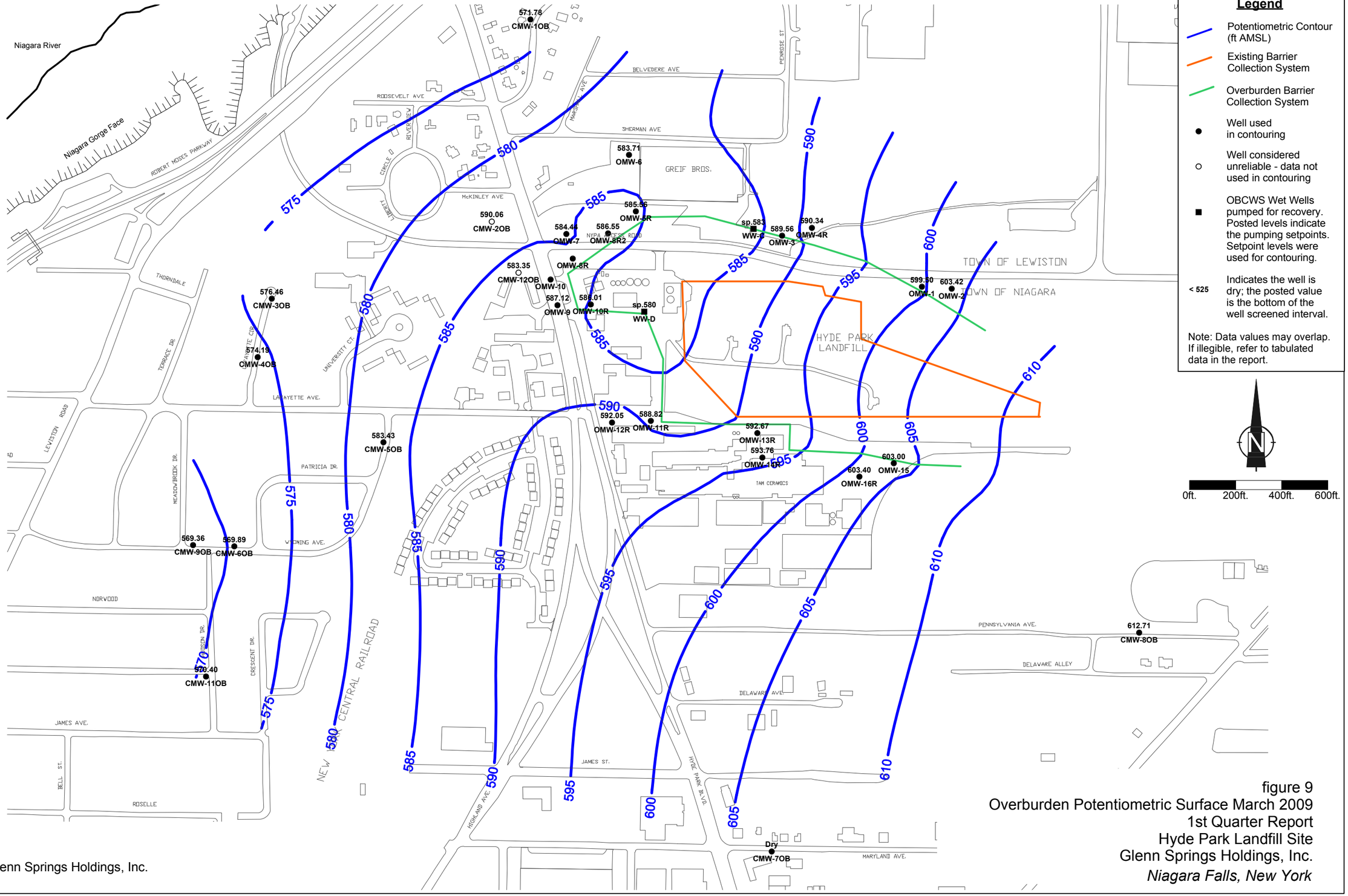


Legend

- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- ● Piezometer used in contouring
- ○ Piezometer considered unreliable - data not used in contouring
- □ Purge Well - data not used in contouring
- ~ 525 Tilde indicates the flow zone elevation in a dewatered piezometer or purge well. Contours within the dewatered area are approximately the elevation of the flow zone.

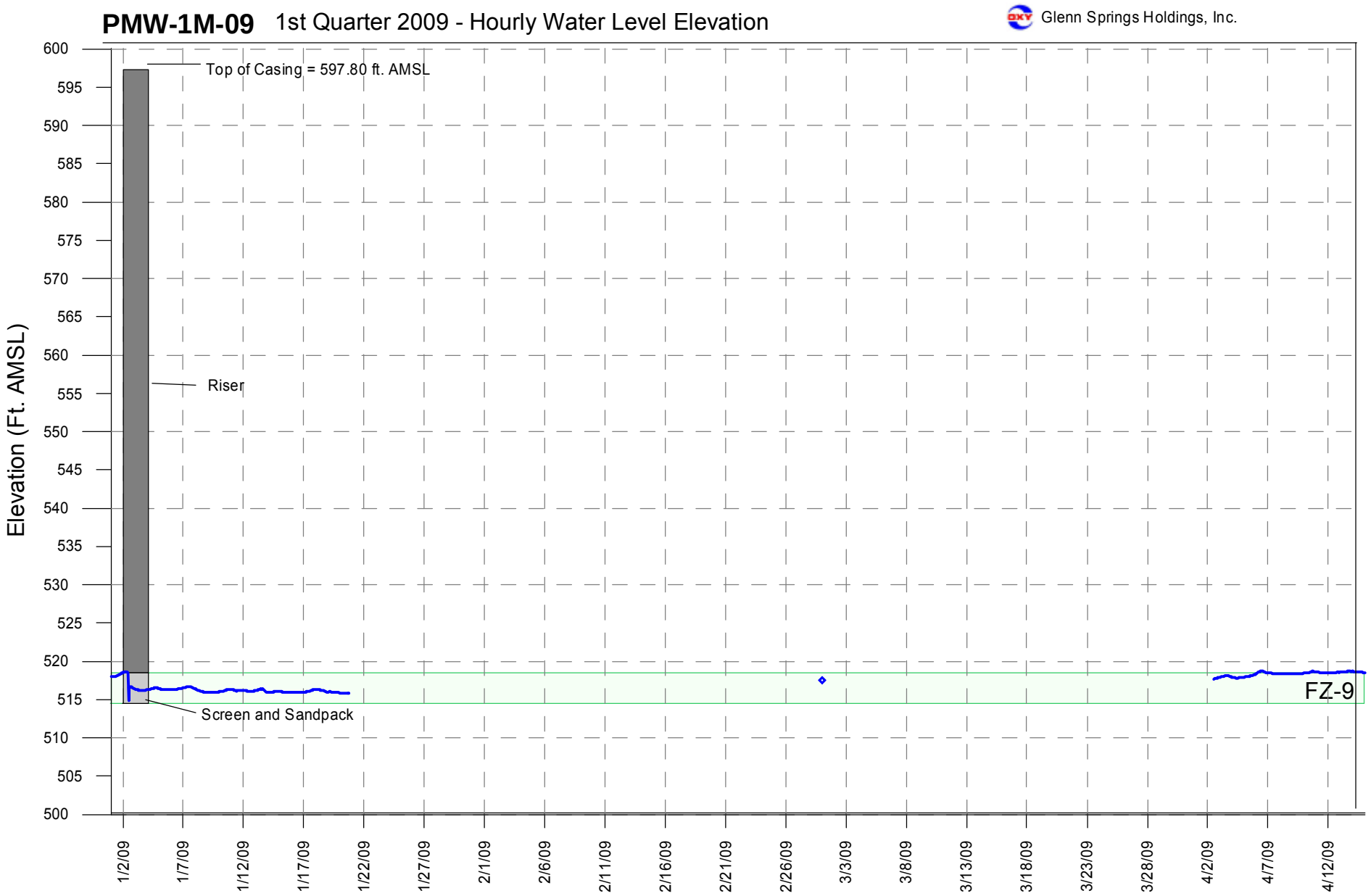
N

figure 8
FZ-11 Potentiometric Surface March 2009
1st Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



Glenn Springs Holdings, Inc.

figure 9
Overburden Potentiometric Surface March 2009
1st Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



CRA 001069-SosaWelling-25

figure 10

TABLE 1

WATER LEVEL ELEVATION SUMMARY
FIRST QUARTER - 2009
HYDE PARK RRT PROGRAM

Well	*Reference Elevation (ft AMSL)*	*Depth to Water (ft)*	*Water Level Elevation (ft AMSL)*
Overburden			
CMW-2OB	590.79	0.73	590.06
CMW-3OB	582.13	5.67	576.46
CMW-4OB	574.28	0.09	574.19
CMW-5OB	583.43	Surcharged	583.43
CMW-6OB	571.89	2.00	569.89
CMW-7OB	611.00	Dry	Dry
CMW-8OB	616.11	3.40	612.71
CMW-9OB	571.76	2.40	569.36
CMW-1OB	576.80	5.02	571.78
CMW-11OB	572.85	2.45	570.40
CMW-12OB	594.74	11.39	583.35
OMW-1	605.28	5.78	599.50
OMW-2	605.99	2.57	603.42
OMW-3	598.63	9.07	589.56
OMW-4R	601.17	10.83	590.34
OMW-5R	591.31	5.75	585.56
OMW-6	587.62	3.91	583.71
OMW-7	592.74	8.30	584.44
OMW-8R2	594.67	8.12	586.55
OMW-9	595.52	8.40	587.12
OMW-10R	595.13	9.12	586.01
OMW-11R	595.08	6.26	588.82
OMW-12R	596.79	4.74	592.05
OMW-13R	601.50	8.83	592.67
OMW-14R	599.64	5.88	593.76
OMW-15	607.48	4.48	603.00
OMW-16R	607.62	4.22	603.40
SC-2*	625.61	22.90	602.71
SC-3*	638.72	38.70	600.02
SC-4*	639.35	21.80	617.55
SC-5*	634.07	Dry	Dry
SC-6*	631.15	19.00	612.15
Shallow Bedrock			
CMW-1SH	576.11	11.49	564.62
CMW-2SH	590.51	18.82	571.69
CMW-3SH	581.91	27.23	554.68
CMW-4SH	574.16	7.60	566.56
CMW-5SH	583.36	6.13	577.23
CMW-6SH	572.05	9.91	562.14
CMW-7SH	610.58	10.03	600.55
CMW-8SH	615.95	4.66	611.29
CMW-9SH	571.96	12.18	559.78
CMW-11SH	573.21	8.27	564.94
CMW-12SH	597.02	26.00	571.02
Flow Zone 1			
G1U-01	617.08	12.65	604.43
G6-01	609.24	10.37	598.87
H2U-01	620.92	8.04	612.88
H5-01	617.61	20.91	596.70
I1-01	621.55	15.30	606.25

WATER LEVEL ELEVATION SUMMARY
FIRST QUARTER - 2009
HYDE PARK RRT PROGRAM

Well	*Reference Elevation (ft AMSL)*	*Depth to Water (ft)*	*Water Level Elevation (ft AMSL)*
Flow Zone 2			
F2U-02	599.89	24.28	575.61
F4U-02	602.32	15.68	586.64
G1-02	616.86	24.52	592.34
G6-02	608.65	21.48	587.17
H2U-02	620.88	26.00	594.88
H5-02	617.47	23.32	594.15
I1-02	621.42	28.95	592.47
J2U-02	609.66	11.73	597.93
J5U-02	606.21	7.92	598.29
J6-02	609.23	11.35	597.88
Flow Zone 4			
AFW-2U-04	593.48	15.91	577.57
D1U-04	593.77	11.90	581.87
D2U-04	590.65	9.19	581.46
E6-04	578.23	12.52	565.71
F2U-04	599.76	21.28	578.48
F4U-04	602.19	15.58	586.61
F6-04	588.06	18.14	569.92
G1U-04	616.96	24.76	592.20
G6-04	609.15	21.60	587.55
H5-04	617.40	23.18	594.22
I1-04	621.31	33.26	588.05
J2U-04	609.42	14.47	594.95
J5U-04	606.05	17.65	588.40
J6-04	609.12	26.11	583.01
Flow Zone 5			
AFW-2U-05	593.33	16.08	577.25
AGW-1U-05	591.80	3.65	588.15
D1U-05	593.51	13.36	580.15
D2U-05	590.56	10.49	580.07
E6-05	578.04	10.89	567.15
F2U-05	599.64	20.82	578.82
F4U-05	602.06	16.60	585.46
F6-05	587.85	18.03	569.82
G6-05	609.13	23.25	585.88
H2M-05	621.59	28.21	593.38
H5-05	617.31	24.98	592.33
I1-05	621.21	63.92	557.29
J2U-05	609.30	28.66	580.64
J5U-05	605.87	25.51	580.36
J6-05	609.02	27.19	581.83
PMW-1U-05	598.00	19.37	578.63

WATER LEVEL ELEVATION SUMMARY
FIRST QUARTER - 2009
HYDE PARK RRT PROGRAM

Well	*Reference Elevation (ft AMSL)*	*Depth to Water (ft)*	*Water Level Elevation (ft AMSL)*
Flow Zone 6			
ABP-7-06	575.78	Dry	Dry
AFW-1U-06	571.83	14.19	557.64
AFW-2U-06	593.22	48.04	545.18
AGW-1U-06	591.66	39.24	552.42
B2U-06	589.29	35.51	553.78
C3-06	585.78	Dry	Dry
D1U-06	593.25	46.97	546.28
D2U-06	590.38	43.60	546.78
E6-06	577.99	4.59	573.40
F2M-06	599.06	34.21	564.85
F4M-06	602.05	51.29	550.76
F6-06	587.84	14.51	573.33
G1M-06	616.75	43.20	573.55
G6-06	609.09	38.98	570.11
H2M-06	621.42	60.40	561.02
H5-06	617.17	24.48	592.69
I1-06	621.08	69.82	551.26
J2M-06	608.94	57.81	551.13
J5M-06	606.22	60.17	546.05
J6-06	608.93	53.73	555.20
PMW-1U-06	597.92	50.92	547.00
Flow Zone 7			
ABP-1-07	576.44	28.62	547.82
ABP-7-07	575.73	40.62	535.11
AFW-1M-07	571.41	Dry	Dry
AFW-2M-07	593.44	66.81	526.63
AGW-1M-07	592.91	45.16	547.75
B2M-07	589.52	52.28	537.24
C3-07	585.62	42.91	542.71
D1M-07	594.15	62.47	531.68
D2M-07	590.77	Dry	Dry
E6-07	577.91	23.41	554.50
F2M-07	598.91	80.49	518.42
F4M-07	601.91	74.53	527.38
F6-07	587.68	20.73	566.95
G1M-07	616.68	32.08	584.60
G6-07	609.06	30.53	578.53
H5-07	617.05	61.69	555.36
I1-07	620.97	78.62	542.35
J5M-07	606.07	58.36	547.71
J6-07	608.85	61.14	547.71
PMW-1M-07	598.50	66.09	532.41

WATER LEVEL ELEVATION SUMMARY
FIRST QUARTER - 2009
HYDE PARK RRT PROGRAM

Well	*Reference Elevation (ft AMSL)*	*Depth to Water (ft)*	*Water Level Elevation (ft AMSL)*
Flow Zone 9			
ABP-1-09	575.49	41.38	534.11
ABP-7-09	575.67	41.23	534.44
AFW-1M-09	571.12	42.04	529.08
AFW-2M-09	593.32	71.98	521.34
AGW-1M-09	592.75	44.52	548.23
B2M-09	589.34	68.73	520.61
C3-09	585.00	44.62	540.38
D1M-09	594.02	75.86	518.16
D2M-09	590.66	72.54	518.12
E6-09	577.82	24.26	553.56
F2M-09	598.71	80.78	517.93
F4M-09	601.79	84.09	517.70
F6-09	587.53	3.30	584.23
G1M-09	616.58	36.81	579.77
G6-09	608.98	28.48	580.50
H2M-09	621.32	76.02	545.30
H5-09	616.93	74.21	542.72
I1-09	620.86	62.61	558.25
J2M-09	608.77	60.54	548.23
J5M-09	605.82	57.58	548.24
J6-09	608.76	33.98	574.78
PMW-1M-09	598.34	80.27	518.07
Flow Zone 11			
AFW-1L-11	572.10	Dry	Dry
AFW-2L-11	593.43	86.74	506.69
AGW-1L-11	592.71	23.08	569.63
B2L-11	589.65	91.20	498.45
D1L-11	593.80	90.04	503.76
D2L-11	590.21	71.53	518.68
E6-11	577.72	43.06	534.66
F2L-11	598.94	49.21	549.73
F4L-11	602.22	18.52	583.70
F6-11	587.40	59.32	528.08
G1L-11	616.84	54.96	561.88
G6-11	608.89	47.14	561.75
H2L-11	620.73	61.37	559.36
H5-11	616.81	65.24	551.57
I1-11	620.71	72.33	548.38
J5L-11	607.20	62.00	545.20
J6-11	608.68	28.75	579.93
PMW-1L-11	598.84	90.34	508.50

Notes:
ft Feet.
AMSL Above mean sea level.
* Levels in SC wells measured on March 30, 2009. All other levels measured on March 23, 2009.

TABLE 2

LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
FIRST QUARTER - 2009
HYDE PARK RRT PROGRAM

Date	*Effluent*		
	Phenol (mg/L)	*pH (su)*	*Flow (gal)*
01/02/09	-	6.90	470,000
01/05/09	-	-	438,000
01/06/09	-	6.60	132,000
01/07/09	0.010 U	6.40	121,000
01/09/09	-	6.90	119,000
01/10/09	-	6.80	204,000
01/11/09	-	-	162,000
01/12/09	-	-	40,000
01/13/09	-	6.90	132,000
01/14/09	0.010 U	-	-
01/15/09	-	6.90	148,000
01/16/09	-	6.90	128,000
01/19/09	-	-	128,000
01/20/09	-	6.90	137,000
01/21/09	0.036	-	153,000
01/22/09	-	6.90	131,000
01/23/09	-	6.90	115,000
01/26/09	-	-	125,000
01/27/09	-	6.90	117,000
01/28/09	0.023	6.90	102,000
01/29/09	-	6.90	65,000
01/30/09	-	6.90	64,000
01/31/09	-	6.90	74,000

TABLE 2

LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
FIRST QUARTER - 2009
HYDE PARK RRT PROGRAM

	Effluent		
Date	*Phenol (mg/L)*	*pH (su)*	*Flow (gal)*
02/01/09	-	7.00	74,000
02/02/09	-	7.00	82,000
02/03/09	-	6.90	62,000
02/04/09	0.025	6.90	53,000
02/10/09	-	6.90	131,000
02/11/09	0.010 U	6.90	395,000
02/12/09	-	6.90	423,000
02/13/09	-	7.20	69,000
02/15/09	-	7.20	338,000
02/16/09	-	7.20	347,000
02/17/09	-	7.10	133,000
02/18/09	0.010 U	7.00	356,000
02/19/09	-	6.90	114,000
02/20/09	-	7.20	165,000
02/21/09	-	7.10	122,000
02/24/09	-	6.90	35,000
02/25/09	0.0026 J	6.90	124,000
02/26/09	-	6.90	110,000
02/27/09	-	6.90	122,000

TABLE 2

LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
FIRST QUARTER - 2009
HYDE PARK RRT PROGRAM

	Effluent		
Date	*Phenol (mg/L)*	*pH (su)*	*Flow (gal)*
03/01/09	-	6.90	407,000
03/02/09	-	7.10	121,000
03/03/09	-	6.60	117,000
03/04/09	0.012 U	-	-
03/05/09	-	6.70	330,000
03/08/09	-	6.90	324,000
03/09/09	-	7.20	155,000
03/10/09	-	7.10	370,000
03/11/09	0.010 U	7.00	103,000
03/12/09	-	6.90	322,000
03/13/09	-	7.00	108,000
03/15/09	-	-	383,000
03/16/09	-	7.00	114,000
03/17/09	-	7.10	325,000
03/18/09	0.010 U	7.10	356,000
03/19/09	-	7.10	84,000
03/20/09	-	6.90	67,000
03/23/09	-	6.90	427,000
03/24/09	-	7.00	146,000
03/25/09	0.010 U	7.00	93,000
03/26/09	-	7.00	107,000
03/27/09	-	7.00	108,000
03/30/09	-	7.10	128,000
03/31/09	-	7.10	314,000

Notes:

gal	Gallons.
J	Estimated.
mg/L	Milligram per liter.
su	Standard unit.
U	Non-detect at associated value.
-	Not available.

TABLE 3

ANALYTICAL RESULTS SUMMARY
WEEKLY SAMPLING - LEACHATE TREATMENT SYSTEM
FIRST QUARTER - 2009
HYDE PARK RRT PROGRAM

Effluent

Parameter	*Units*	*01/07/09*	*01/14/09*	*01/21/09*	*01/28/09*	*02/04/09*	*02/11/09*	*02/18/09*	*02/25/09*
Volatiles									
1,1,1-Trichloroethane	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorotoluene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Chlorotoluene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorotoluene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	1.1 J	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl Bromide)	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl Chloride)	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	25 U	1.1 J	40 U	5.0 U	4.1 J	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
m-Monochlorobenzotrifluoride	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Monochlorobenzotrifluoride	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
p-Monochlorobenzotrifluoride	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane (CFC-11)	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	730	450	740	760	1100	7.4	7.6	6.7
Xylene (total)	µg/L	5.0 U	25 U	5.0 U	40 U	5.0 U	5.0 U	5.0 U	5.0 U

ANALYTICAL RESULTS SUMMARY
WEEKLY SAMPLING - LEACHATE TREATMENT SYSTEM
FIRST QUARTER - 2009
HYDE PARK RRT PROGRAM

Effluent

Parameter	*Units*	*03/04/09*	*03/11/09*	*03/18/09*	*03/25/09*
Volatiles (con't.)					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	µg/L	10 U	10 U	10 U	10 U
2-Chlorotoluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
3-Chlorotoluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorotoluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl Bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl Chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
m-Monochlorobenzotrifluoride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
o-Monochlorobenzotrifluoride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
p-Monochlorobenzotrifluoride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane (CFC-11)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/L	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	4.6 J	3.5 J	2.3 J	4.8 J
Xylene (total)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U

Notes:

-	Not available/not applicable.
J	Estimated at associated value.
U	Non-detect at associated value.
µg/L	Microgram per liter.

TABLE 4

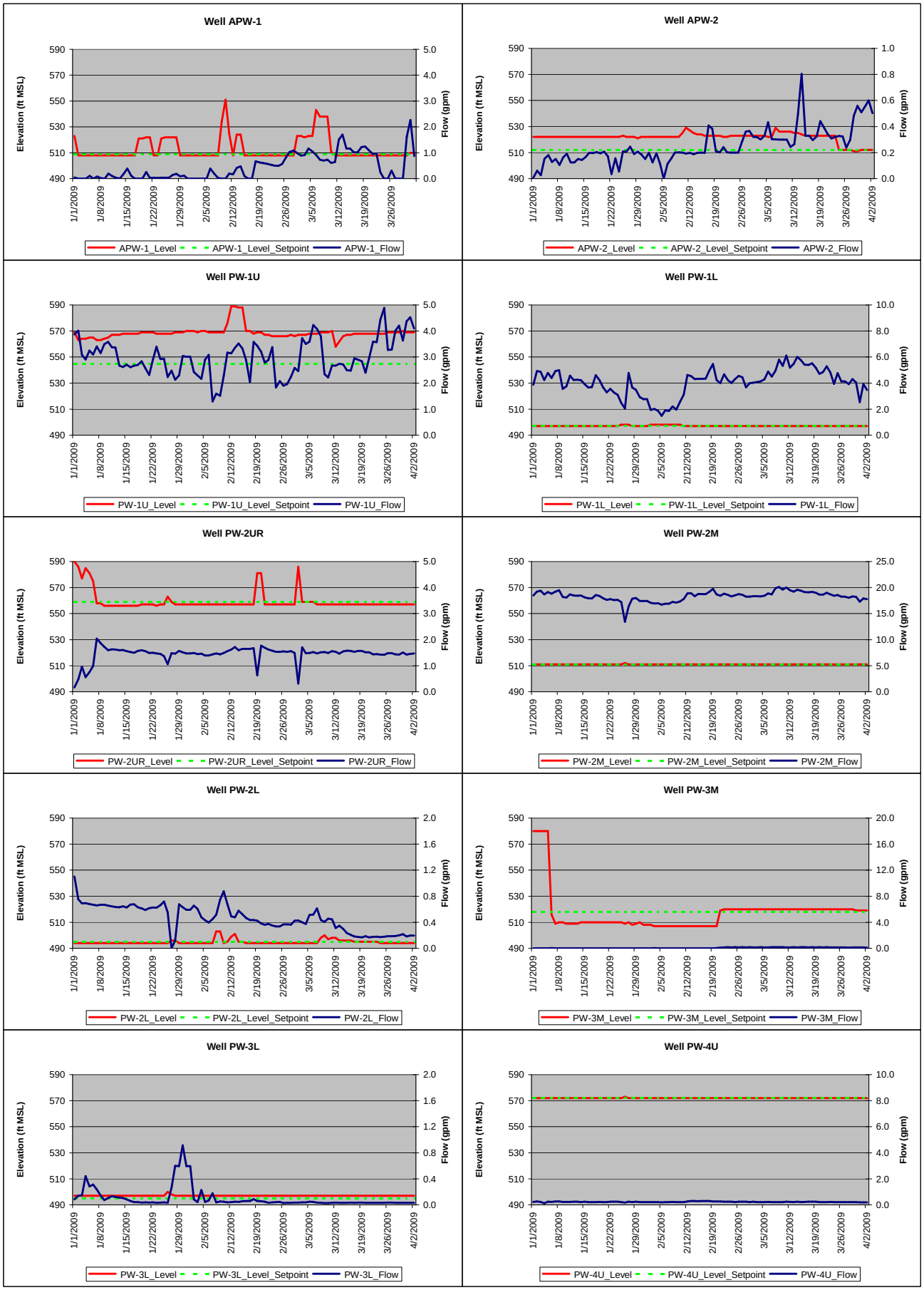
ANALYTICAL RESULTS SUMMARY
QUARTERLY SAMPLING - LEACHATE TREATMENT SYSTEM
FIRST QUARTER - 2009
HYDE PARK RRT PROGRAM

Effluent

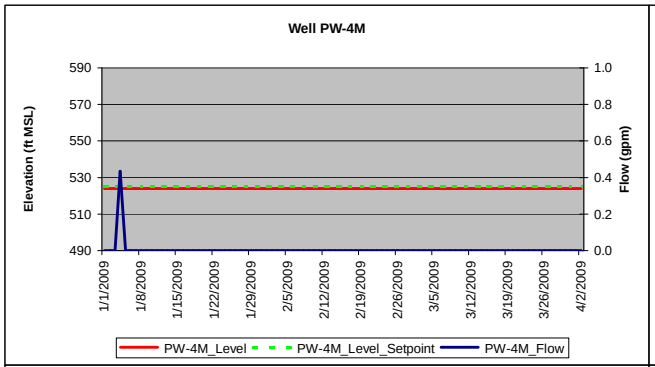
		Sample ID:	*EFF-109-3*	*EFF-109-4*
		Sample Date:	*1/14/2009*	*1/14/2009*
Parameter	*Units*			
Phosphorus, Total	mg/L		0.17	--
Vinyl chloride	µg/L		--	450

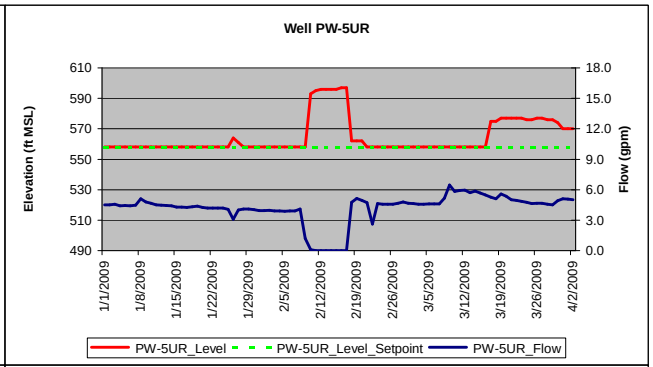
Notes:
mg/L Milligrams per liter.
µg/L Micrograms per liter.
-- Not applicable.

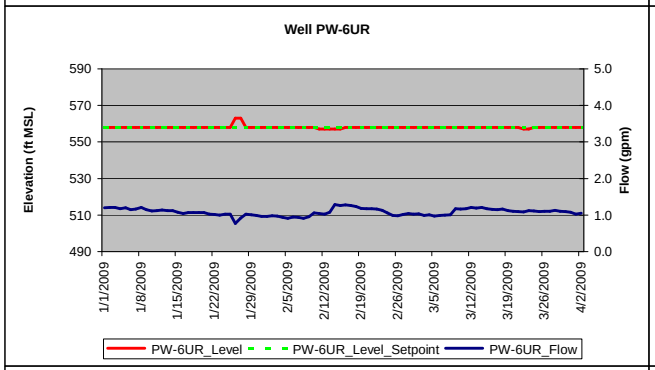
Attachment 1
1st Quarter 2009 - Pumping levels and Flows
Hyde Park

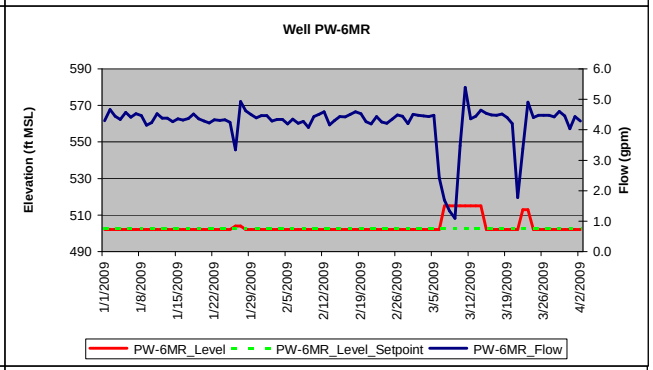


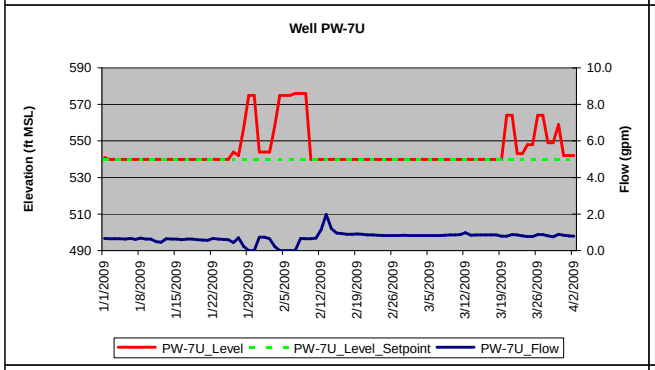
Attachment 1
1st Quarter 2009 - Pumping levels and Flows
Hyde Park

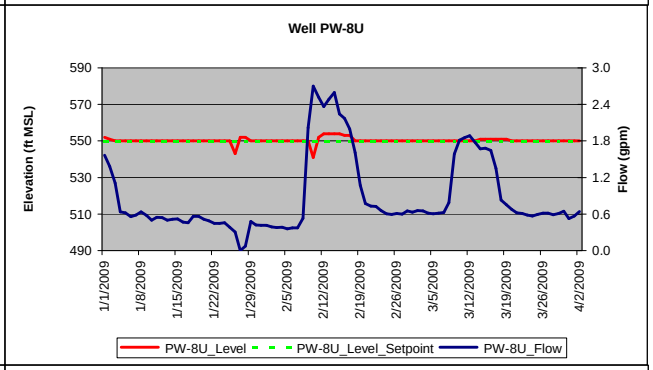


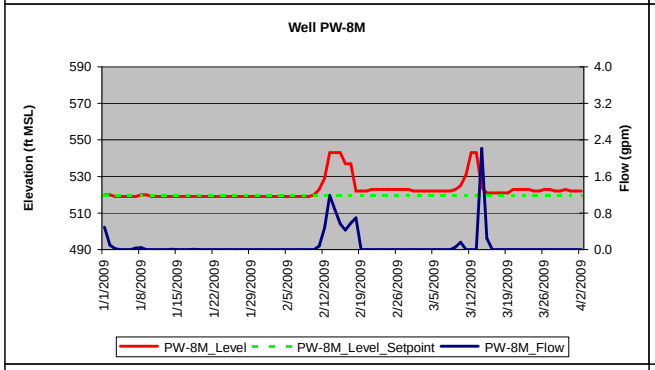


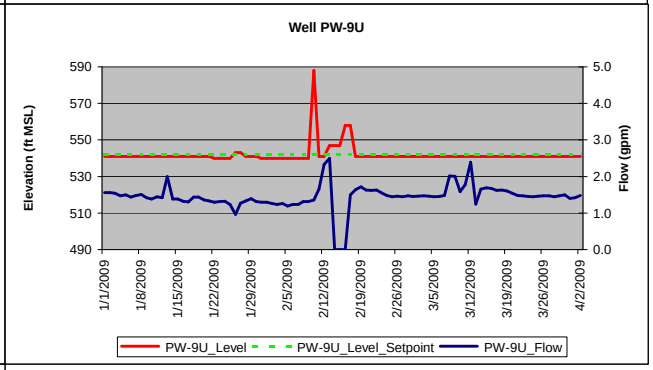


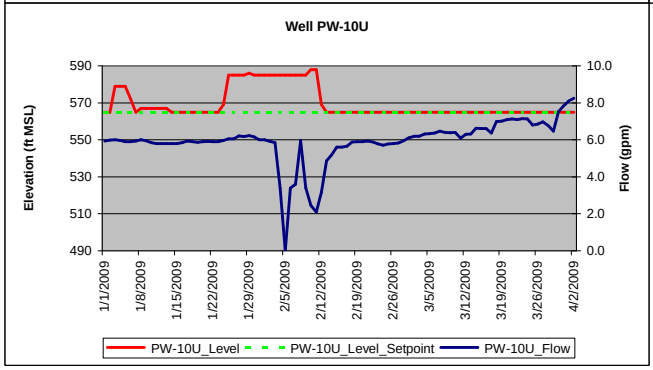












Note: Indicated flows and levels represent instantaneous readings sampled once per day.