



Glenn Springs Holdings, Inc.

A subsidiary of Occidental Petroleum

Clint Babcock
Project Manager
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January 31, 2011

Reference No. 001069

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

Mr. Will Welling
NYSDEC
Remedial Bureau D, 12th Floor
625 Broadway
Albany, NY 12233-7013

Dear Ms. Sosa and Mr. Welling:

Re: **Quarterly Operations Report - Fourth Quarter 2010**
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 October 1, 2010 through December 31, 2010. A total of 5.9 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) Significant Industrial Users Wastewater Discharge Permit #49; 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

In October 2010, PW-5UR was cleaned out due to a buildup of organic matter in the well. After the cleanout, it was noted that the well appeared to have continuing operational issues. Maintenance was done to identify and correct any issues with the well. A new pump and motor were installed in November 2010.

PW-5UR is located on TAMS Ceramics (TAMS) property. In October 2010, CRA personnel were conducting routine maintenance and became aware that there was an outside leak seeping into the PW-5UR vault. This leak was determined to be from a broken TAMS watermain. TAMS was notified, and repair of the watermain was requested. However, although CRA was told by TAMS personnel that the watermain would be repaired, water continues to seep into the PW-5UR vault resulting in an abnormally high water level for the second half of November 2010 and December 2010 (see Attachment 1). TAMS has been contacted a second time, and a request has been made for repair to the watermain.

The pumping rate in PW-5UR has been adjusted, and the well is currently functioning properly and at setpoint.

In late September 2010, PW-6UR began experiencing intermittent operational problems. Site maintenance began investigating the cause of these problems; however, in early November 2010, it ceased operating. It was replaced with an operational unit and brought back online on November 4, 2010. The well is currently functioning properly and at setpoint.

On December 7, 2010 a meeting was held at the Hyde Park facility. The purpose of this meeting was to meet with project team members in an effort to improve communication between GSH and CRA, and the United States Environmental Protection Agency (USEPA), New York State Department of Environmental Conservation (NYSDEC), and the New York State Department of Health (NYSDOH) and to provide an opportunity to voice any possible concerns that the stakeholders may have. Attending were Clint Babcock (GSH), John Pentilchuk (CRA), Dennis Hoyt (CRA), Jane Polovich (CRA), Joel Spring (CRA), William Welling (NYSDEC), Brian Sadowski (NYSDEC), and Matt Forcucci (NYSDOH). A Site tour was conducted, and the following items were discussed:

- Organizational structure of the Project Team
- History of the transition from GSH direct-hire operators to CRA operation and maintenance in October 2008
- Health and safety requirements
- The September 2010 replacement of the section of forcemain located within the northern secondary containment area
- The arrangement and operation of the treatment system
- Locations of secondary containment
- Future plans for upgrades to the treatment system
- The need establish agreed-upon guidelines as to which site occurrences necessitated communication to all stakeholders (i.e. major pumping system failures, leaks outside of containment areas versus daily maintenance issues such as minor pump repairs and well redevelopment), and then to better communicate those occurrences to all parties.

January 31, 2011

Reference No. 001069

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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 231-670-6809 or by email at joseph_branch@oxy.com.

Very truly yours,

GLENN SPRINGS HOLDINGS, INC.



Joseph Branch
Project Manager



Clint Babcock
Project Manager

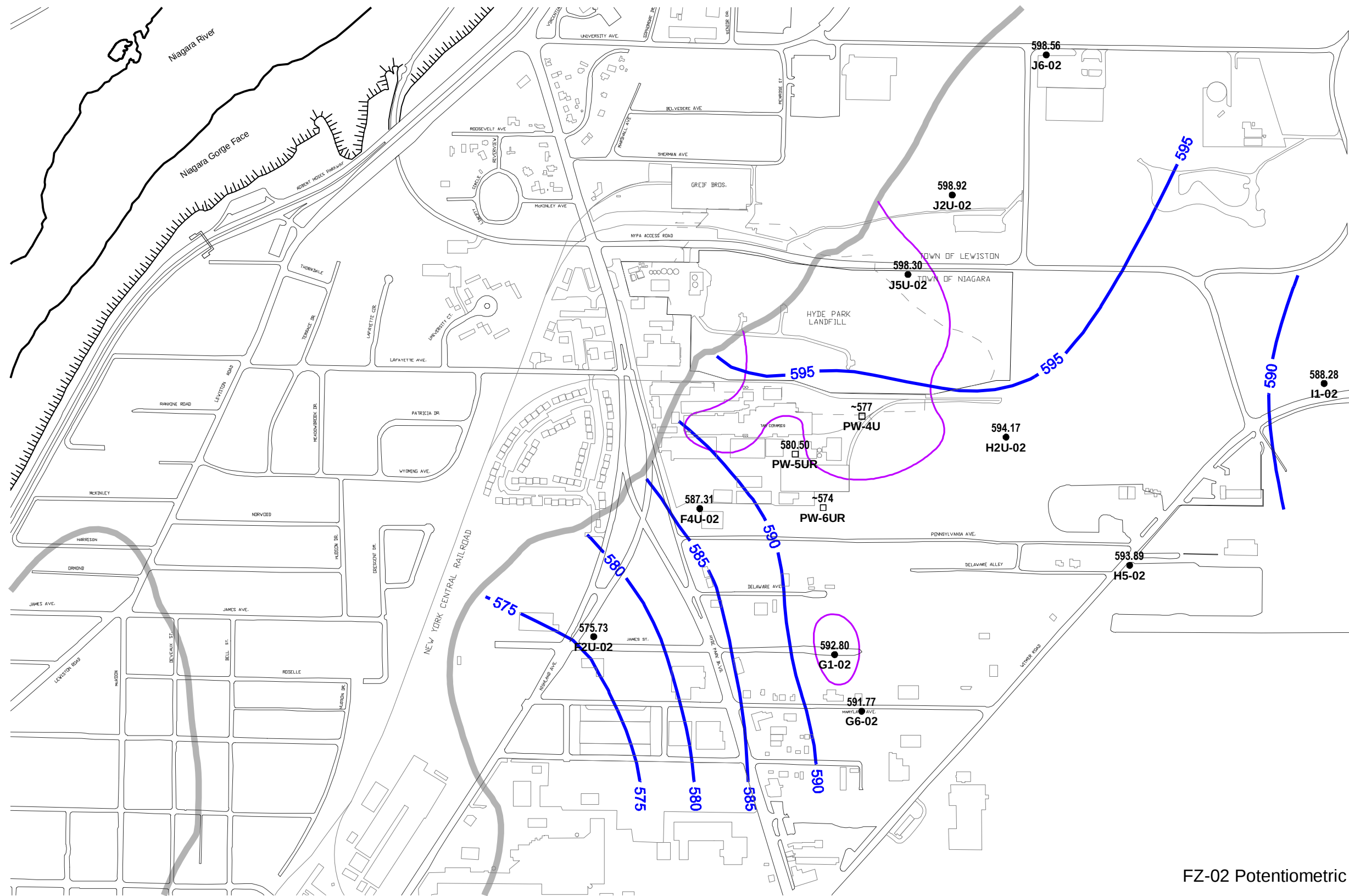
Encl.
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c.c.: M. Anderson, GSH - 1
M. Forcucci, NYSDOH - 1*
W. Welling, NYSDEC - 1*
J. Pentilchuk, CRA - 1

T. Raby, AECOM Environmental - 1*
B. Sadowski, NYSDEC - CD Only
G. Sosa, USEPA - 4*

*Includes one copy on CD

FIGURES



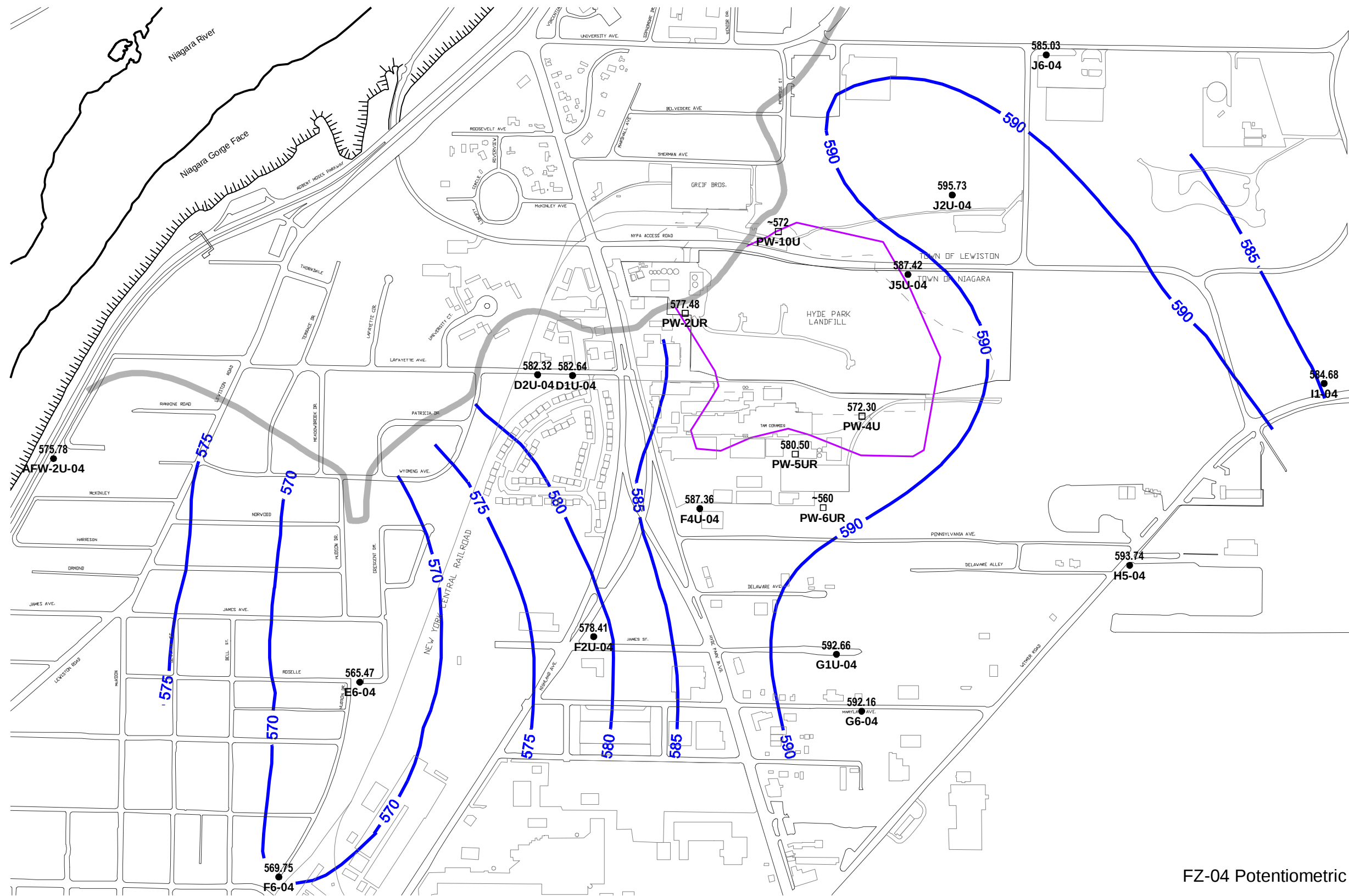
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- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

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 2
 FZ-02 Potentiometric Surface December 2010
 4th Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



Legend

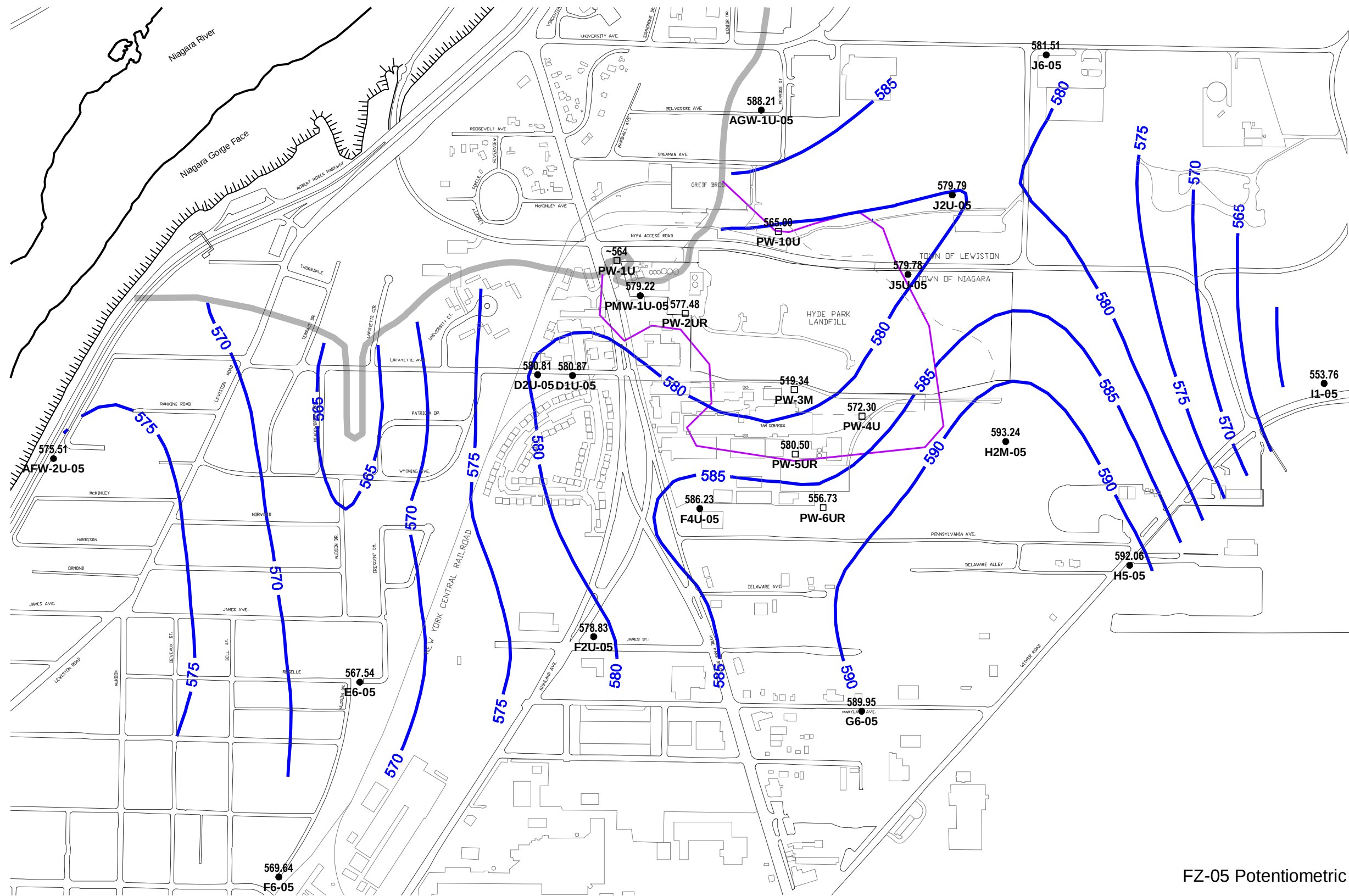
- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
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Tilde indicates the flow zone elevation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

~ 525



figure 3
 FZ-04 Potentiometric Surface December 2010
 4th Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



Legend

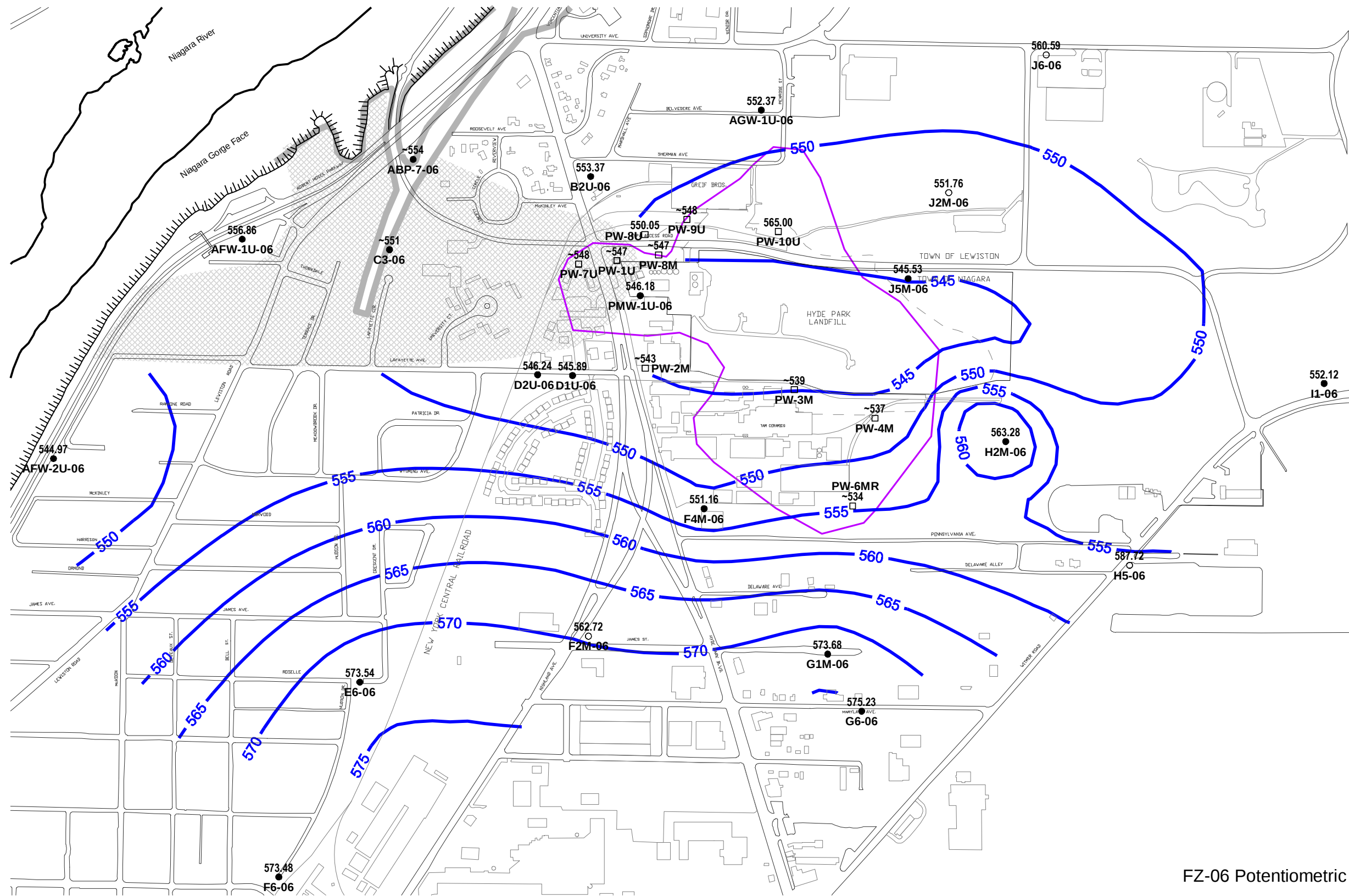
- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

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.

~ 525



figure 4
FZ-05 Potentiometric Surface December 2010
4th Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



Legend

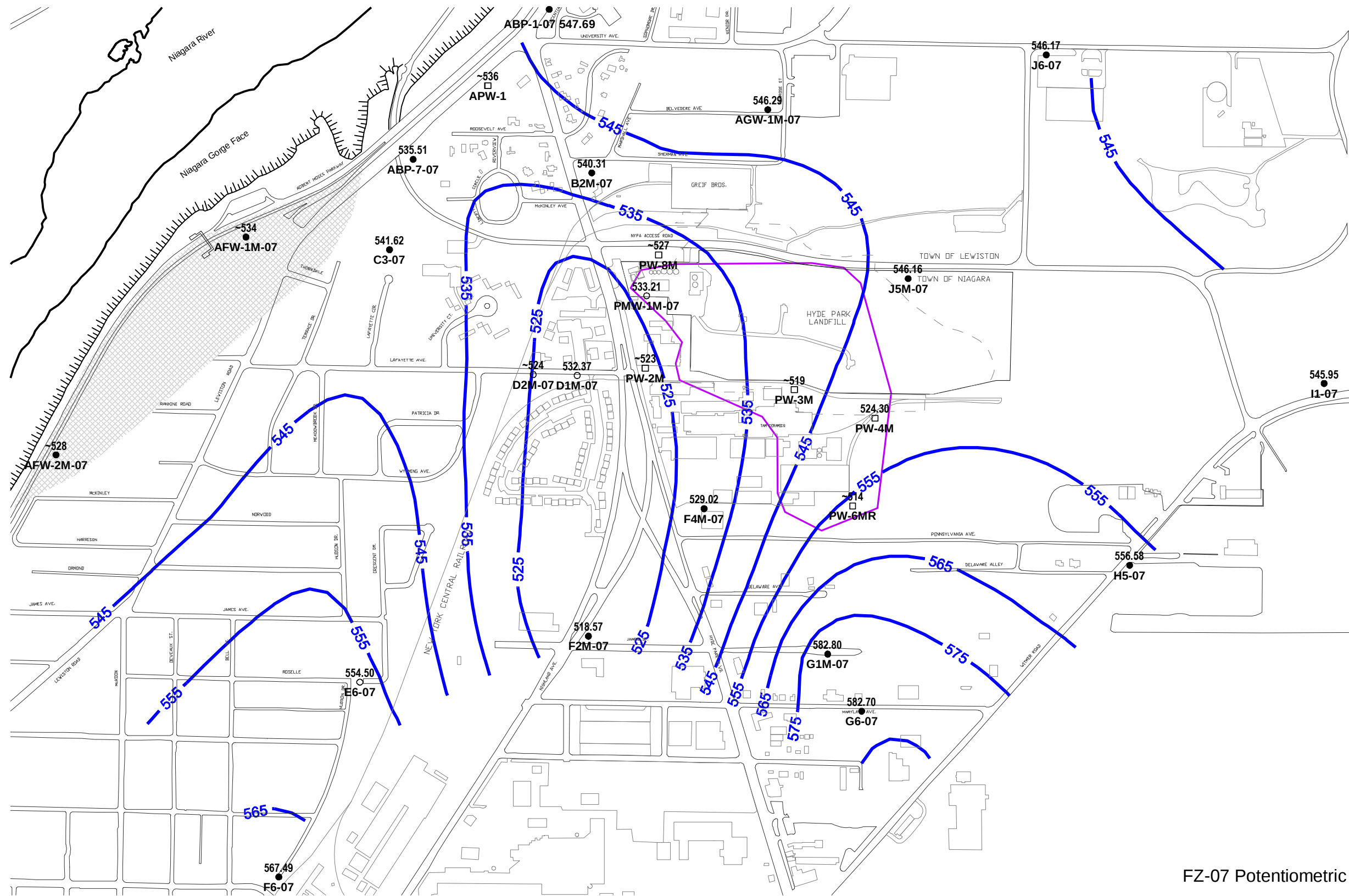
- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

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.

~ 525



figure 5
 FZ-06 Potentiometric Surface December 2010
 4th Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



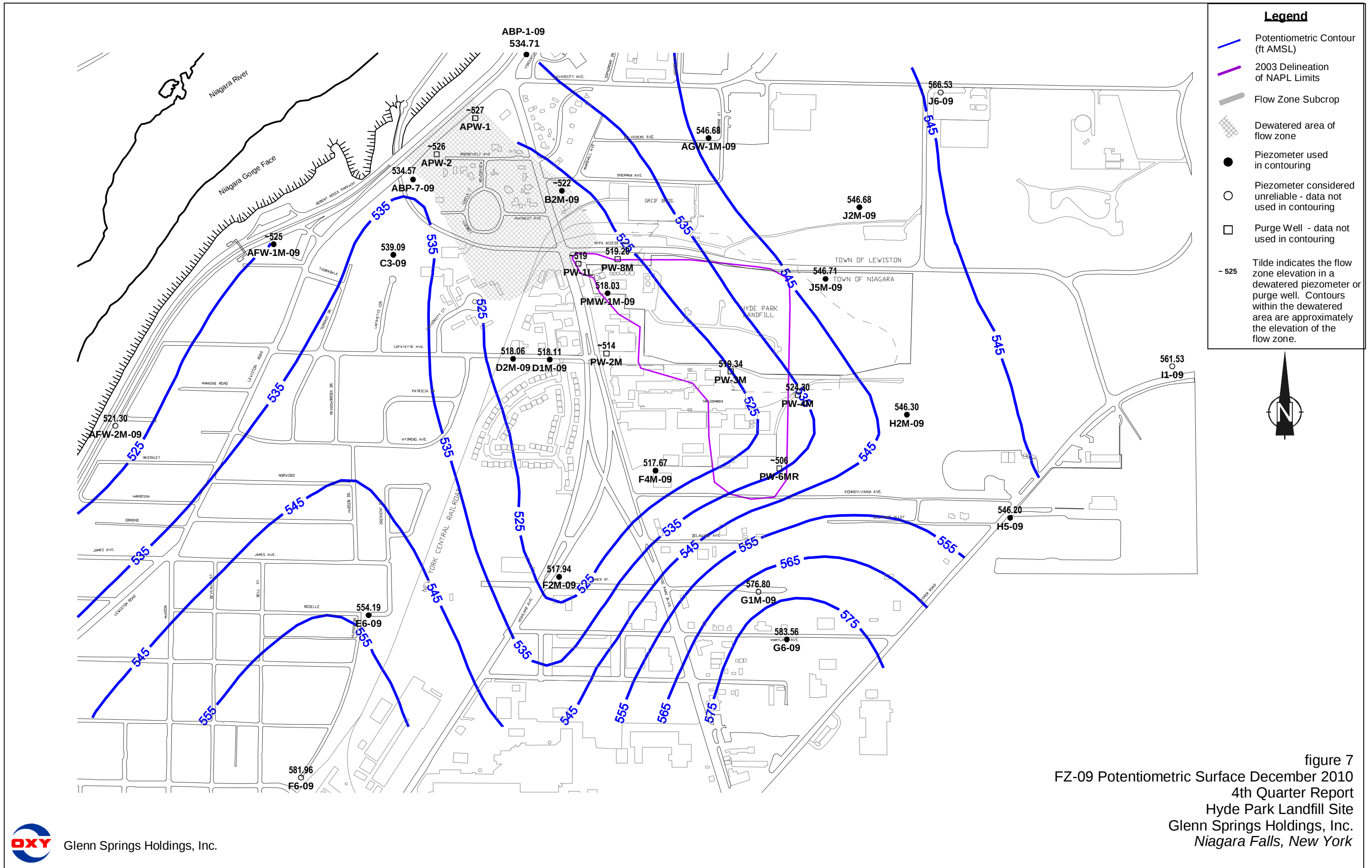
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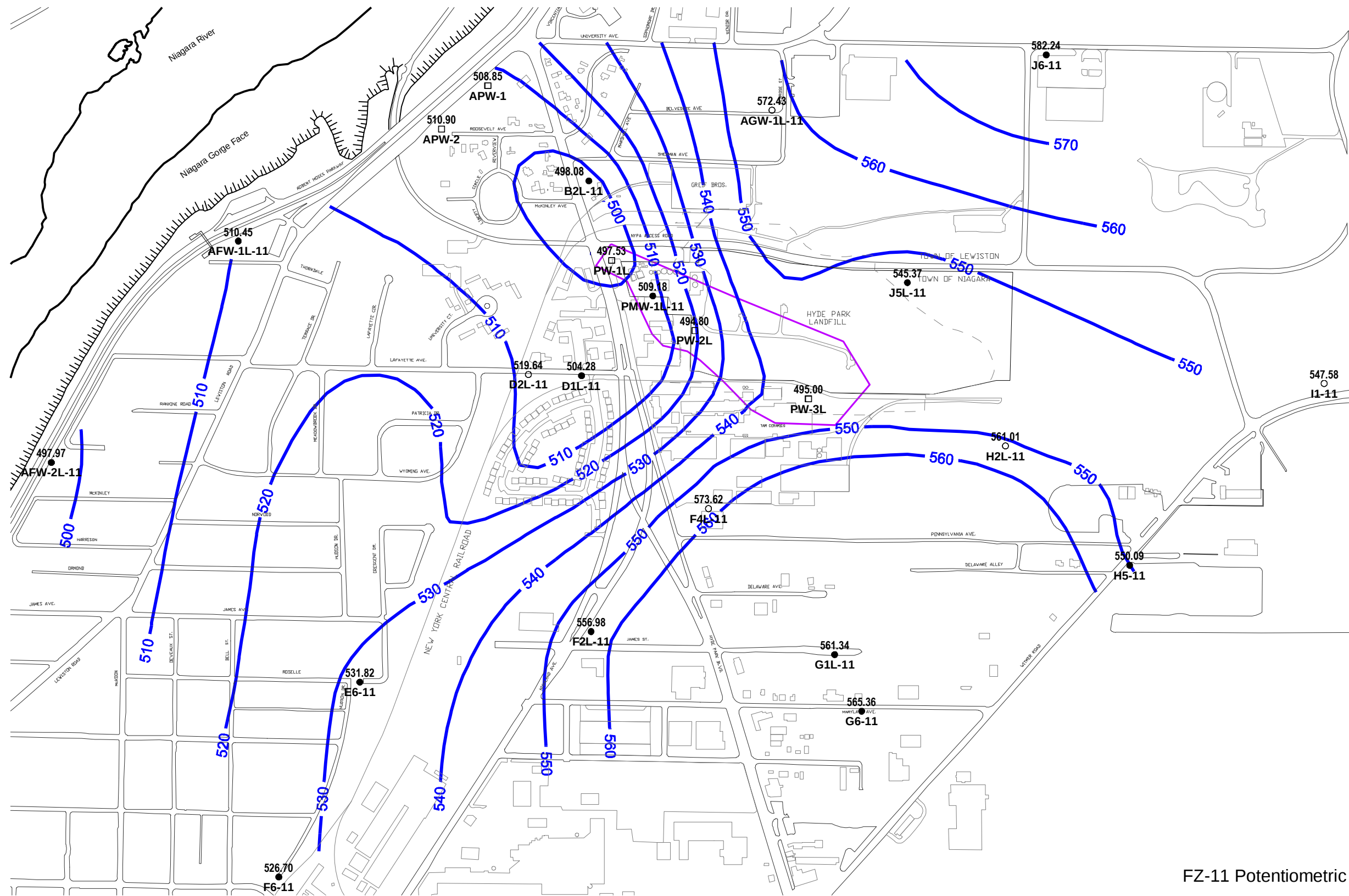
- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

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 December 2010
4th Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York





Legend

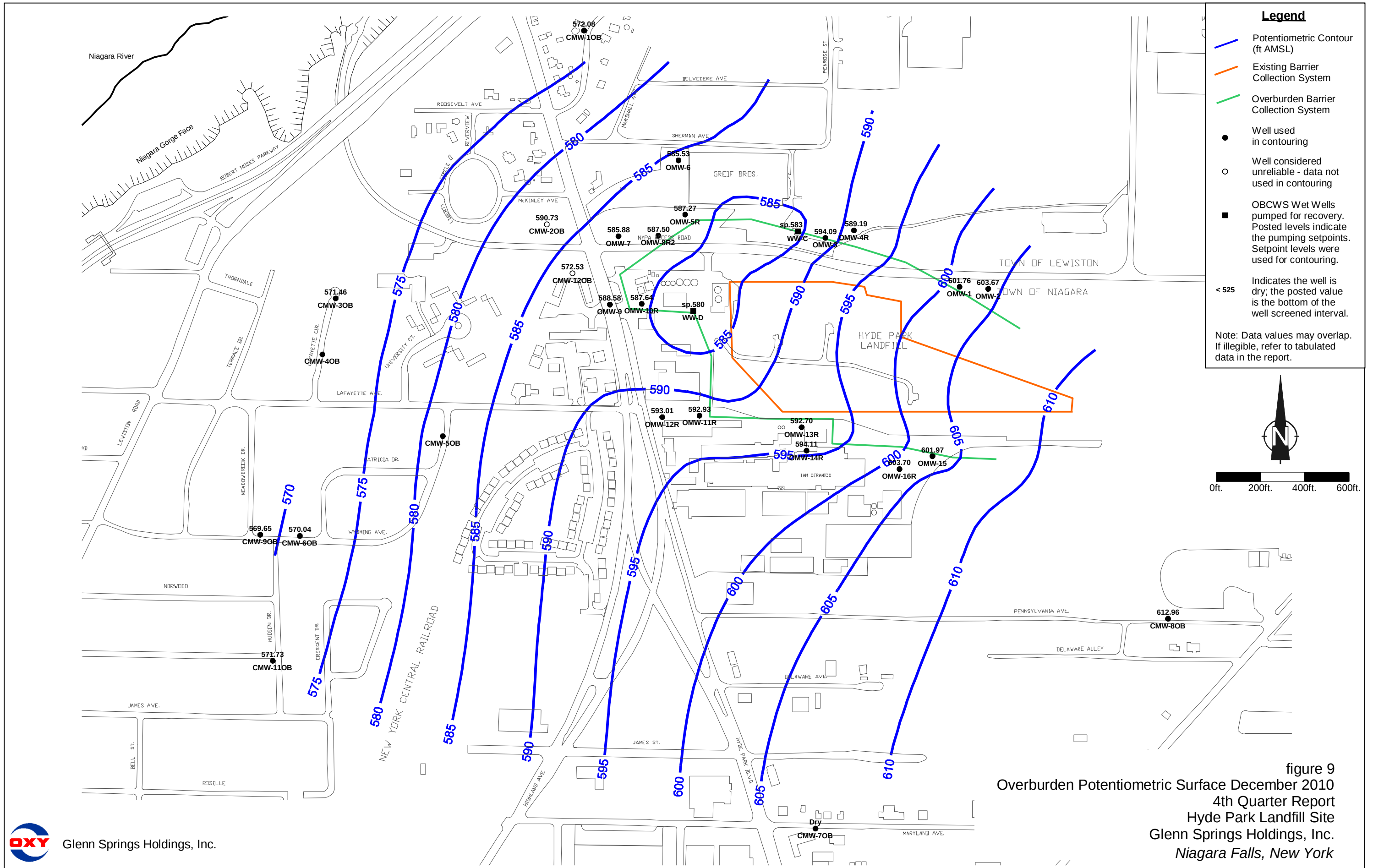
- Potentiometric Contour (ft AMSL)
- 2003 Delineation of NAPL Limits
- Flow Zone Subcrop
- Dewatered area of flow zone
- Piezometer used in contouring
- Piezometer considered unreliable - data not used in contouring
- Purge Well - data not used in contouring

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.

~ 525



figure 8
 FZ-11 Potentiometric Surface December 2010
 4th Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



PMW-1M-09 4th Quarter 2010 - Hourly Water Level Elevation

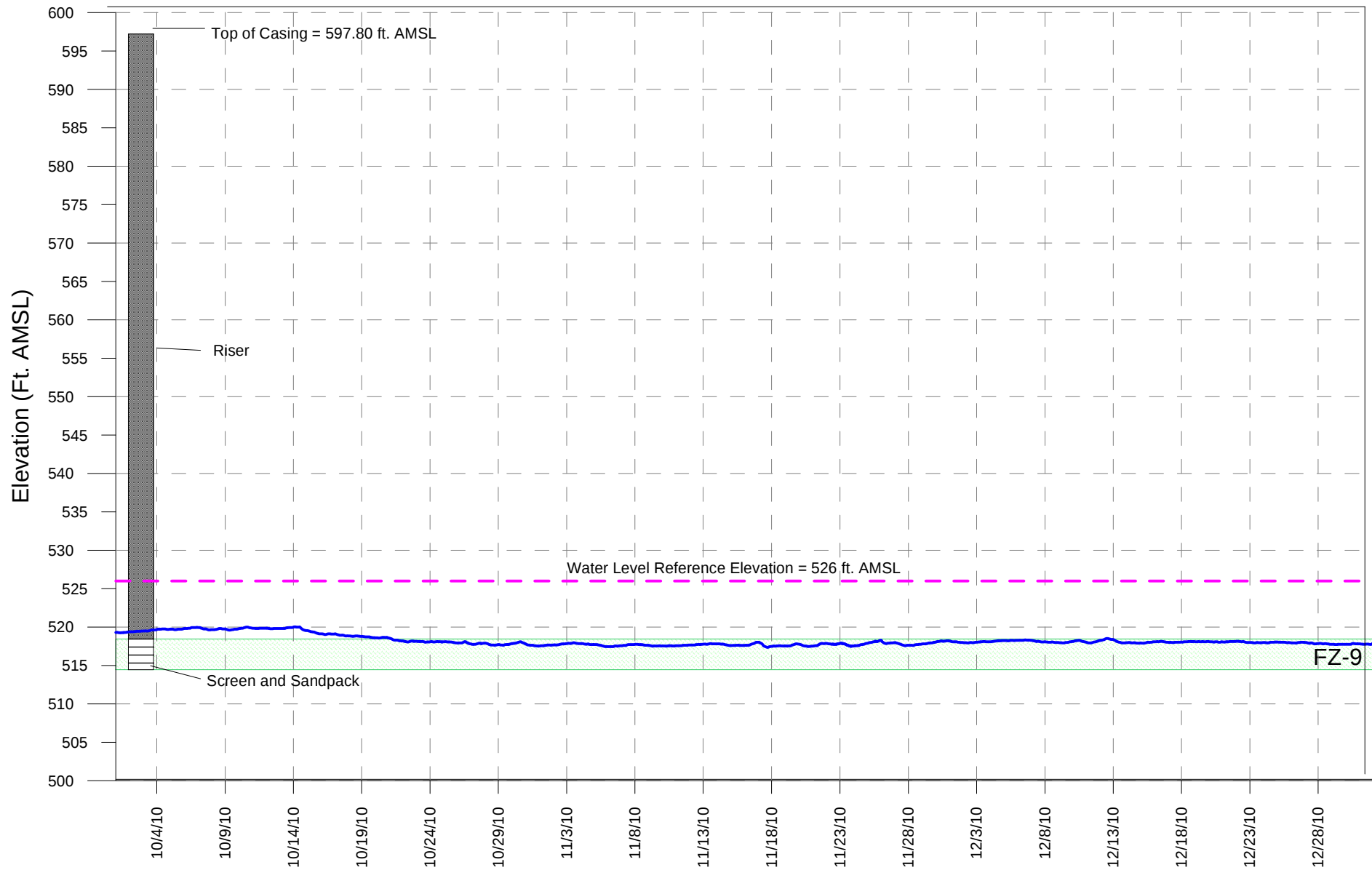


figure 10

TABLES

**WATER LEVEL ELEVATION SUMMARY
FOURTH QUARTER - 2010
HYDE PARK RRT PROGRAM**

Well	Reference Elevation (ft AMSL)	Depth to Water (ft)	Water Level Elevation (ft AMSL)
Overburden			
CMW-2OB	590.79	0.06	590.73
CMW-3OB	582.13	10.67	571.46
CMW-4OB	574.28	Surcharged	Surcharged
CMW-5OB	583.43	Surcharged	Surcharged
CMW-6OB	571.89	1.85	570.04
CMW-7OB	611.00	Dry	-
CMW-8OB	616.11	3.15	612.96
CMW-9OB	571.76	2.11	569.65
CMW-10B	576.80	4.72	572.08
CMW-11OB	572.85	1.12	571.73
CMW-12OB	594.74	22.21	572.53
OMW-1	605.28	3.52	601.76
OMW-2	605.99	2.32	603.67
OMW-3	598.63	4.54	594.09
OMW-4R	601.17	11.98	589.19
OMW-5R	591.31	4.04	587.27
OMW-6	587.62	2.09	585.53
OMW-7	592.74	6.86	585.88
OMW-8R2	594.67	7.17	587.50
OMW-9	595.52	6.94	588.58
OMW-10R	595.13	7.49	587.64
OMW-11R	597.52	4.59	592.93
OMW-12R	596.79	3.78	593.01
OMW-13R	601.50	8.80	592.70
OMW-14R	599.64	5.53	594.11
OMW-15	607.48	5.51	601.97
OMW-16R	607.62	3.92	603.70
SC-2	625.61	22.45	603.16
SC-3	638.72	41.50	597.22
SC-4	639.35	38.12	601.23
SC-5	634.07	Well blocked at 19.5 ft btoc	-
SC-6	631.15	14.72	616.43
Shallow Bedrock			
CMW-1SH	576.11	11.79	564.32
CMW-2SH	590.51	18.77	571.74
CMW-3SH	581.91	32.30	549.61
CMW-4SH	574.16	6.81	567.35
CMW-5SH	583.36	2.59	580.77
CMW-6SH	572.05	9.85	562.20
CMW-7SH	610.58	11.06	599.52
CMW-8SH	615.95	6.93	609.02
CMW-9SH	571.96	Surcharged	Surcharged
CMW-11SH	573.21	7.91	565.30
CMW-12SH	597.02	26.13	570.89
Flow Zone 1			
G1U-01	617.08	14.84	602.24
G6-01	609.24	7.02	602.22
H2U-01	620.92	8.62	612.30
H5-01	617.61	20.82	596.79
I1-01	625.58	25.60	599.98

**WATER LEVEL ELEVATION SUMMARY
FOURTH QUARTER - 2010
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	24.16	575.73
F4U-02	602.32	15.01	587.31
G1-02	616.86	24.06	592.80
G6-02	608.65	16.88	591.77
H2U-02	620.88	26.71	594.17
H5-02	617.47	23.58	593.89
I1-02	625.47	37.19	588.28
J2U-02	609.66	10.74	598.92
J5U-02	606.21	7.91	598.30
J6-02	609.23	10.67	598.56
Flow Zone 4			
AFW-2U-04	593.48	17.70	575.78
D1U-04	593.77	11.13	582.64
D2U-04	590.65	8.33	582.32
E6-04	578.23	12.76	565.47
F2U-04	599.76	21.35	578.41
F4U-04	602.19	14.83	587.36
F6-04	588.06	18.31	569.75
G1U-04	616.96	24.30	592.66
G6-04	609.15	16.99	592.16
H5-04	617.40	23.66	593.74
I1-04	625.30	40.62	584.68
J2U-04	609.42	13.69	595.73
J5U-04	606.05	18.63	587.42
J6-04	609.12	24.09	585.03
Flow Zone 5			
AFW-2U-05	593.33	17.82	575.51
AGW-1U-05	591.80	3.59	588.21
D1U-05	593.51	12.64	580.87
D2U-05	590.56	9.75	580.81
E6-05	578.04	10.50	567.54
F2U-05	599.64	20.81	578.83
F4U-05	602.06	15.83	586.23
F6-05	587.85	18.21	569.64
G6-05	609.13	19.18	589.95
H2M-05	621.59	28.35	593.24
H5-05	617.31	25.25	592.06
I1-05	625.25	71.49	553.76
J2U-05	609.30	29.51	579.79
J5U-05	605.87	26.09	579.78
J6-05	609.02	27.51	581.51
PMW-1U-05	598.00	18.78	579.22

**WATER LEVEL ELEVATION SUMMARY
FOURTH QUARTER - 2010
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	-
AFW-1U-06	571.83	14.97	556.86
AFW-2U-06	593.22	48.25	544.97
AGW-1U-06	591.66	39.29	552.37
B2U-06	589.29	35.92	553.37
C3-06	585.78	Dry	-
D1U-06	593.25	47.36	545.89
D2U-06	590.38	44.14	546.24
E6-06	577.99	4.45	573.54
F2M-06	599.06	36.34	562.72
F4M-06	602.05	50.89	551.16
F6-06	587.84	14.36	573.48
G1M-06	616.75	43.07	573.68
G6-06	609.09	33.86	575.23
H2M-06	621.42	58.14	563.28
H5-06	617.17	29.45	587.72
I1-06	625.15	73.03	552.12
J2M-06	608.94	57.18	551.76
J5M-06	606.22	60.69	545.53
J6-06	608.93	48.34	560.59
PMW-1U-06	597.92	51.74	546.18
Flow Zone 7			
ABP-1-07	576.44	28.75	547.69
ABP-7-07	575.73	40.22	535.51
AFW-1M-07	571.41	Dry	-
AFW-2M-07	593.44	66.77	526.67
AGW-1M-07	592.91	46.62	546.29
B2M-07	589.52	49.21	540.31
C3-07	585.62	44.00	541.62
D1M-07	594.15	61.78	532.37
D2M-07	590.77	67.30	523.47
E6-07	577.91	23.41	554.50
F2M-07	598.91	80.34	518.57
F4M-07	601.91	72.89	529.02
F6-07	587.68	20.19	567.49
G1M-07	616.68	33.88	582.80
G6-07	609.06	26.36	582.70
H5-07	617.05	60.47	556.58
I1-07	625.14	79.19	545.95
J5M-07	606.07	59.91	546.16
J6-07	608.85	62.68	546.17
PMW-1M-07	598.50	65.29	533.21

**WATER LEVEL ELEVATION SUMMARY
FOURTH QUARTER - 2010
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	40.78	534.71
ABP-7-09	575.67	41.10	534.57
AFW-1M-09	571.12	46.15	524.97
AFW-2M-09	593.32	72.02	521.30
AGW-1M-09	592.75	46.07	546.68
B2M-09	589.34	68.54	520.80
C3-09	585.00	45.91	539.09
D1M-09	594.02	75.91	518.11
D2M-09	590.66	72.60	518.06
E6-09	577.82	23.63	554.19
F2M-09	598.71	80.77	517.94
F4M-09	601.79	84.12	517.67
F6-09	587.53	5.57	581.96
G1M-09	616.58	39.78	576.80
G6-09	608.98	25.42	583.56
H2M-09	621.32	75.02	546.30
H5-09	616.93	70.73	546.20
I1-09	624.91	63.38	561.53
J2M-09	608.77	62.09	546.68
J5M-09	605.82	59.11	546.71
J6-09	608.76	42.23	566.53
PMW-1M-09	598.34	80.31	518.03
Flow Zone 11			
AFW-1L-11	572.10	61.65	510.45
AFW-2L-11	593.43	95.46	497.97
AGW-1L-11	592.71	20.28	572.43
B2L-11	589.65	91.57	498.08
D1L-11	593.80	89.52	504.28
D2L-11	590.21	70.57	519.64
E6-11	577.72	45.90	531.82
F2L-11	598.94	41.96	556.98
F4L-11	602.22	28.60	573.62
F6-11	587.40	60.70	526.70
G1L-11	616.84	55.50	561.34
G6-11	608.89	43.53	565.36
H2L-11	620.73	59.72	561.01
H5-11	616.81	66.72	550.09
I1-11	624.75	77.17	547.58
J5L-11	607.20	61.83	545.37
J6-11	608.68	26.44	582.24
PMW-1L-11	598.84	89.66	509.18

Notes

ft AMSL Feet Above Mean Sea Level.

-- Well dry.

TABLE 2

**LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
FOURTH QUARTER - 2010
HYDE PARK RRT PROGRAM**

Date	Effluent		
	Phenol (mg/L)	pH (su)	Flow (gal)
10/04/10	-	-	77,000
10/05/10	-	-	76,000
10/06/10	0.010 U	7.00	35,000
10/07/10	-	7.10	39,000
10/11/10	-	-	111,000
10/12/10	0.010 U	-	73,000
10/15/10	-	7.10	41,000
10/18/10	-	-	123,000
10/19/10	-	-	82,000
10/20/10	0.010 U	7.20	35,000
10/21/10	-	-	80,000
10/22/10	-	7.20	51,000
10/25/10	-	-	122,000
10/26/10	-	-	84,000
10/27/10	0.010 U	7.00	54,000
10/28/10	-	7.10	59,000
10/29/10	-	6.90	43,000
11/01/10	-	6.90	104,000
11/02/10	-	7.00	80,000
11/03/10	0.0086 J	6.90	50,000
11/05/10	-	7.10	83,000
11/09/10	-	7.00	78,000
11/10/10	0.010 U	7.10	75,000
11/11/10	-	7.10	49,000
11/12/10	-	7.10	43,000
11/15/10	-	7.00	107,000
11/16/10	-	7.00	84,000
11/17/10	0.010 U	7.10	92,000
11/18/10	-	7.00	43,000
11/19/10	-	7.20	67,000
11/22/10	-	7.20	51,000
11/23/10	0.010 U	7.10	108,000
11/24/10	-	7.10	109,000
11/29/10	-	7.10	152,000
11/30/10	-	6.80	31,000
12/01/10	0.0072 J	6.90	377,000
12/02/10	-	7.20	214,000
12/03/10	-	7.20	84,000
12/06/10	-	7.20	138,000
12/07/10	-	7.20	133,000
12/08/10	0.010 U	7.10	146,000
12/09/10	-	7.00	98,000
12/10/10	-	7.20	69,000
12/13/10	-	7.10	267,000
12/14/10	0.0082 J	7.20	267,000
12/15/10	-	7.10	88,000
12/16/10	-	7.10	128,000
12/17/10	-	7.20	123,000
12/20/10	-	7.20	318,000
12/22/10	0.010 U	6.80	52,000
12/23/10	-	6.90	146,000
12/27/10	-	7.30	124,000
12/28/10	0.010 U	6.90	119,000
12/29/10	-	7.00	125,000
12/30/10	-	6.90	122,000

Notes:

mg/L Milligram per liter.

su Standard unit.

gal Gallons.

- Not available.

U Non-detect at associated value.

TABLE 3

ANALYTICAL RESULTS SUMMARY
WEEKLY SAMPLING - LEACHATE TREATMENT SYSTEM
FOURTH QUARTER - 2010
HYDE PARK RRT PROGRAM

Effluent

Parameter	Units	10/06/10	10/12/10	10/20/10	10/27/10	11/03/10	11/10/10	11/17/10	11/23/10
Volatiles									
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	0.61 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	0.87 J	0.41 J	1.0 U	0.31 J	1.0 U	1.4
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	0.87 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	0.69 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	0.53 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	3.0	2.9	3.3	5.5	8.1	14	10	15
Xylene (total)	µg/L	-	-	-	-	-	-	-	-

TABLE 3

ANALYTICAL RESULTS SUMMARY
WEEKLY SAMPLING - LEACHATE TREATMENT SYSTEM
FOURTH QUARTER - 2010
HYDE PARK RRT PROGRAM

Effluent

Parameter	Units	12/01/10	12/08/10	12/14/10	12/22/10	12/28/10
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
3-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl Chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
p-Monochlorobenzotrifluoride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl acetate	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	21	27	30	33	38
Xylene (total)	µg/L	-	-	-	-	-

Notes:

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

ANALYTICAL RESULTS SUMMARY
 QUARTERLY SAMPLING - LEACHATE TREATMENT SYSTEM
 FOURTH QUARTER - 2010
 HYDE PARK RRT PROGRAM

Effluent

	<i>Sample ID:</i>	<i>EFFLUENT12282010</i>
	<i>Sample Date:</i>	<i>12/28/10</i>
<i>Parameter</i>	<i>Units</i>	
Phosphorus, Total	mg/L	0.38
Vinyl chloride	µg/L	38

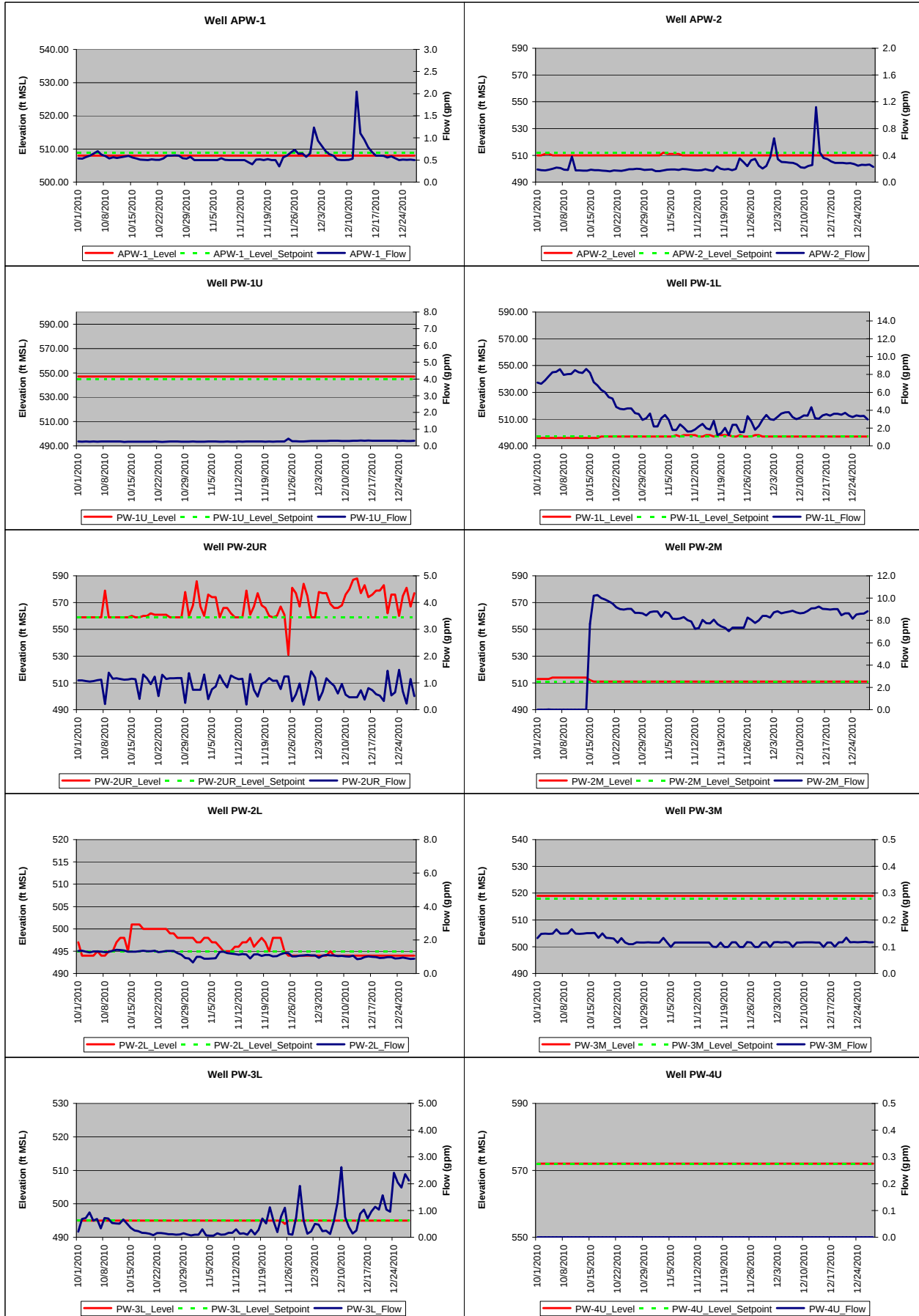
Notes:

- Not available/not applicable.
- mg/L Milligrams per liter.
- µg/L Micrograms per liter.

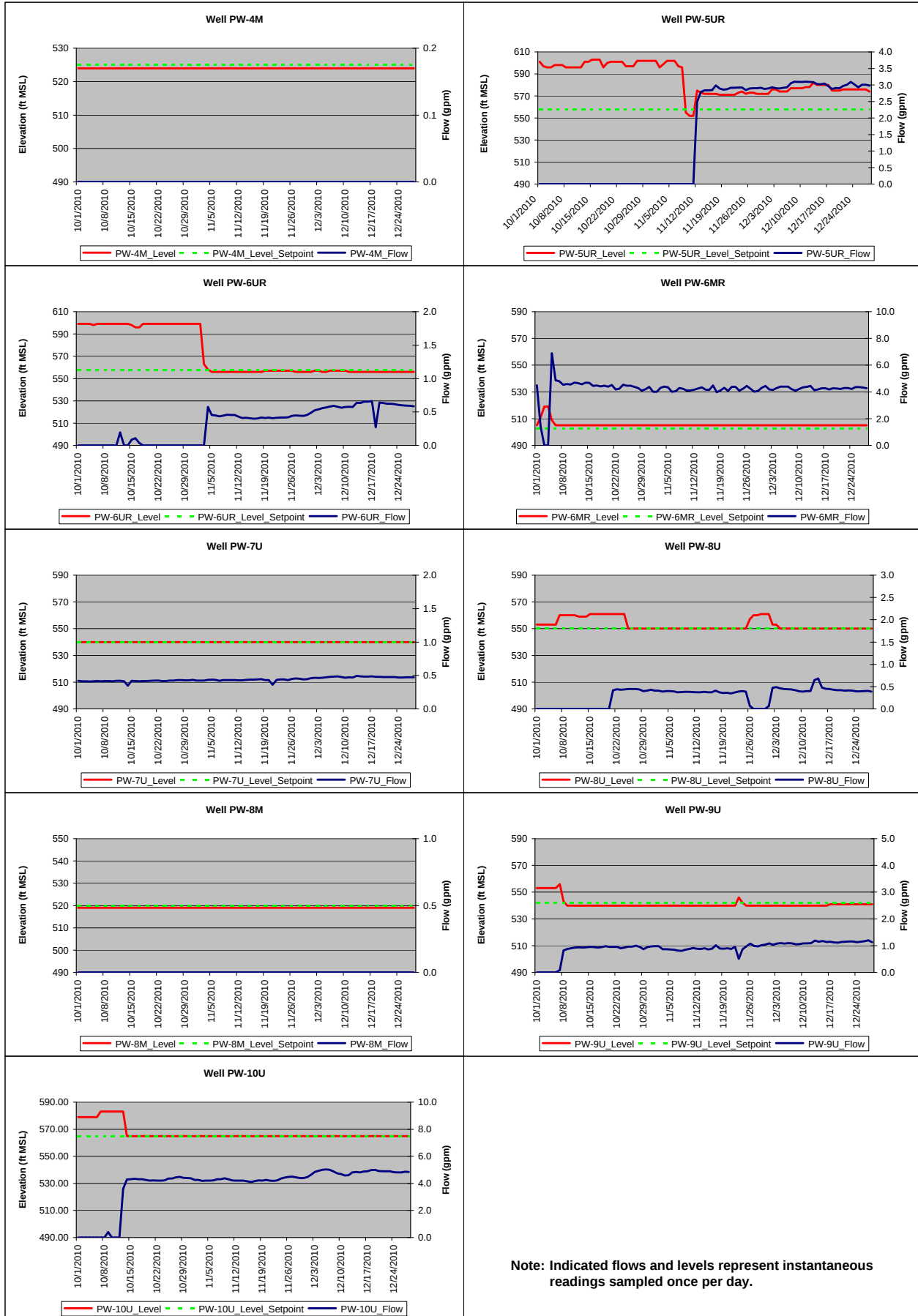
ATTACHMENT 1

Attachment 1
4th Quarter 2010 - Pumping levels and Flows
Hyde Park

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Attachment 1
4th Quarter 2010 - Pumping levels and Flows
Hyde Park



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