



Glenn Springs Holdings, Inc.

A subsidiary of Occidental Petroleum

Joe Branch
Site Manager
Direct Dial (231) 670-6809

7601 Old Channel Trail
Montague, MI 49437
Fax (231) 894-4033

October 30, 2015

Reference No. 001069

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

Mr. Brian P. Sadowski
NYSDEC
270 Michigan Avenue
Buffalo, NY 14203-2999

Dear Ms. Sosa and Mr. Sadowski:

**Re: Quarterly Operations Report – Third Quarter 2015
Hyde Park Remedial Program
Bedrock and Overburden Monitoring Programs**

In accordance with the July 2006 "Performance Monitoring Plan" (PMP), the following is the Quarterly Operations Report for the Hyde Park Remedial Program for the period July 1, 2015 through September 30, 2015. A total of 4.8 million gallons of aqueous phase liquid (APL) was collected, treated, and discharged in compliance with the Site's 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 disposal this quarter. The potentiometric contours are consistent with previous interpretations. Flow Zones 6, 7, and 9 have dewatered areas between the landfill and the gorge face. The current data continue to support the interpretation of effective hydraulic containment and inward gradients.

The performance monitoring data are presented as follows:

- Figures 1-9: Showing the potentiometric surface for the bedrock flow zones and overburden
- Figure 10: Showing continuously recorded water levels at flow zone 9 piezometer PMW-1M-09
- Table 1: Water level elevation summary
- Tables 2, 3, and 4: Daily, weekly, and quarterly treatment system effluent monitoring data
- Attachment A: Purge well performance graphs indicating daily level and flow information

The pumping wells are operational and functioning as designed. The pumps are operated to maintain a water level between a typical range of 2.5 feet above (pump on) and 2.5 feet below (pump off) a specific setpoint in accordance with the setpoint range defined in the Operation & Maintenance Manual. The following minor operational and setpoint issues were investigated or resolved during the third quarter of 2015:

- The water level in APW-2 exceeded setpoint range at the end of the second quarter of 2015 due to a large rain event that occurred on June 28. At the beginning of the third quarter of 2015 (July 1 to

- 2 -

July 5) the water level was still above setpoint range and decreasing due to this rain event. The water level decreased to within setpoint range on July 6.

- The water level in APW-2 exceeded setpoint range on August 20. The APW-2 pump discharge line was flushed and the check valve was replaced on August 21. The water level returned to within setpoint range on August 22. Additionally, the APW-2 pump was replaced on August 25 in an attempt to improve the pump discharge flow rate.
- The water level in PW-5UR exceeded setpoint range on September 13. The PW-5UR pump was replaced on September 17. The water level returned to within setpoint range on September 19.
- The water level in PW-8U exceeded setpoint on July 1. No obvious problems were identified and the water level returned to within setpoint range on July 10. On July 20 the water level in PW-8U exceeded setpoint range. The pump discharge lines were cleaned on July 24. The water level returned to within setpoint range on July 25. The water level remained within setpoint range from the remainder of the third quarter of 2015.
- The water level in PW-9U exceeded setpoint on July 18. On July 20, the pump connecting shaft was repaired and the water level returned to within setpoint range.
- Between July 24 and July 31, the pump in PW-9U shut down daily due to run-feedback communications faults. This fault caused the water level to be recorded above setpoint range for those days. An attempt to diagnose the fault was made and the cause of the fault could not be determined. The pump worked upon the daily reset and the water levels returned to setpoint range daily. However, it was not recorded as such. The PW-9U pump did not experience run-feedback communications faults for the remainder of the quarter.
- The water level in PW-9U exceeded setpoint on August 30. The pump discharge line was repaired on September 2 and the water returned to within setpoint range on September 3.

An electronic copy of this report is included on the attached CD. 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.



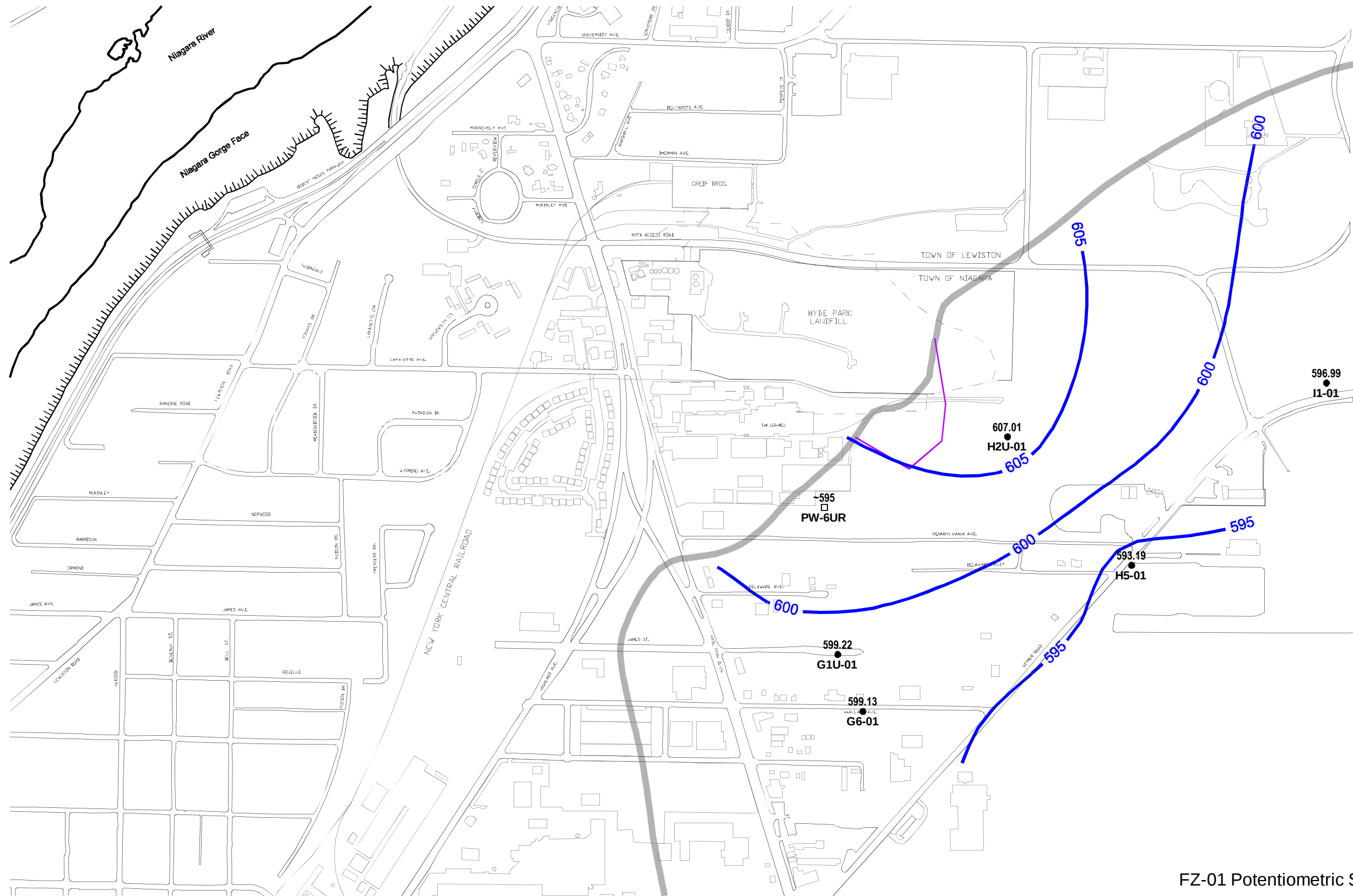
Joe Branch
Site Manager
231-670-6809 Cell

JB/ma/21
Encl.

cc: M. Anderson, GSH (1)
C. Babcock, GSH (1)
M. Forcucci, NYSDOH (email)
J. Pentilchuk, GHD (email)

B. Sadowski, NYSDEC (CD Only)
G. Sosa, USEPA (4*)
J. Raby, GHD (email)

*Includes 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

Tilde at a piezometer indicates that the flow zone is dewatered. At a purge well, the pumping water level is below the flow zone, but the flow zone is not necessarily dewatered. Value shown is the flow zone elevation.

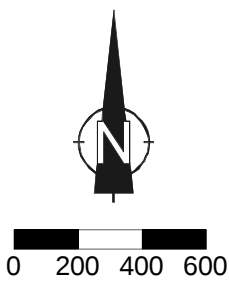
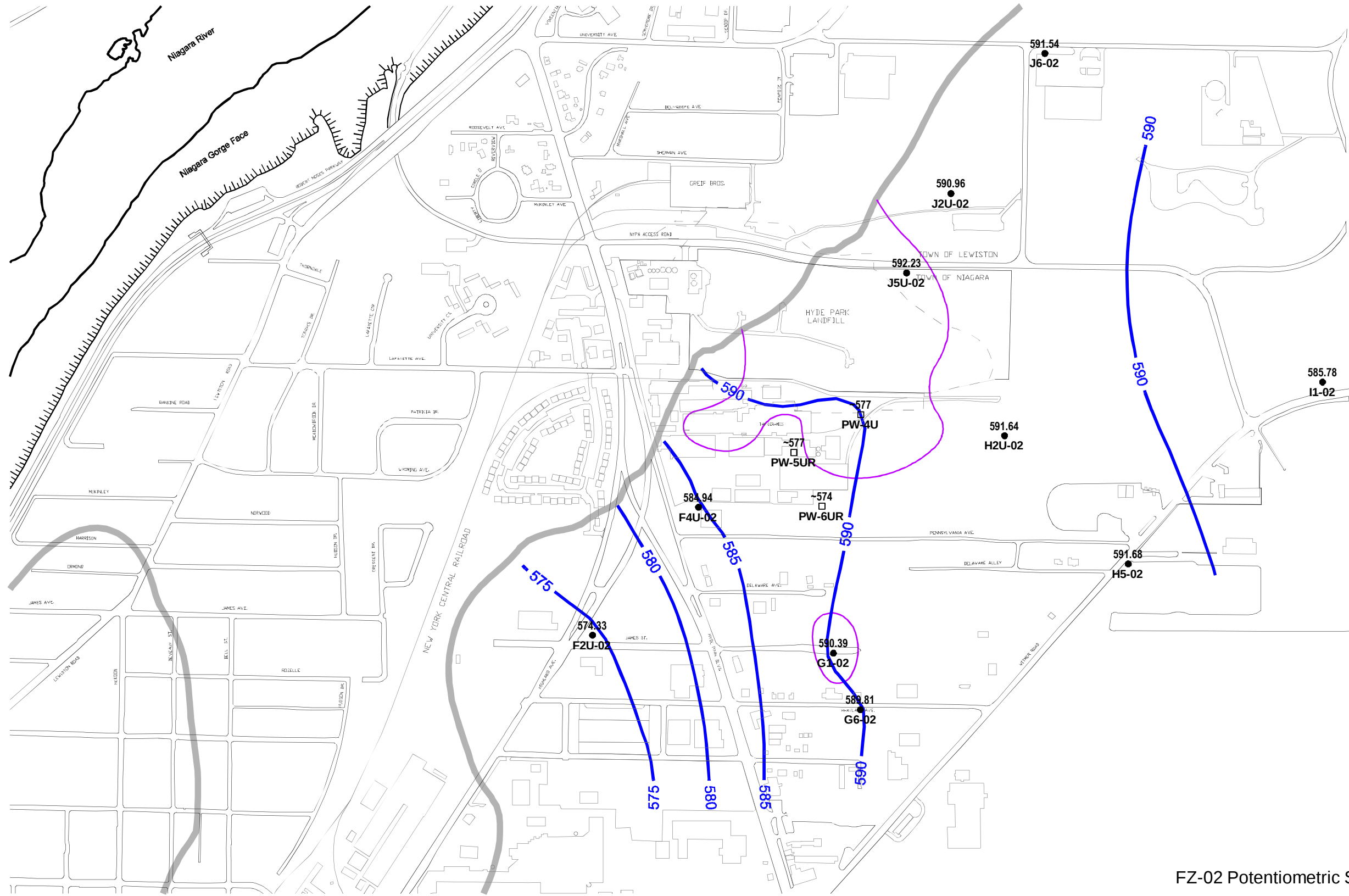


figure 1
 FZ-01 Potentiometric Surface September 2015
 3rd Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



Legend

- Potentiometric Contour (ft AMSL)
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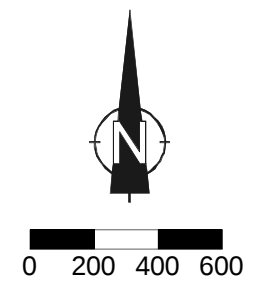
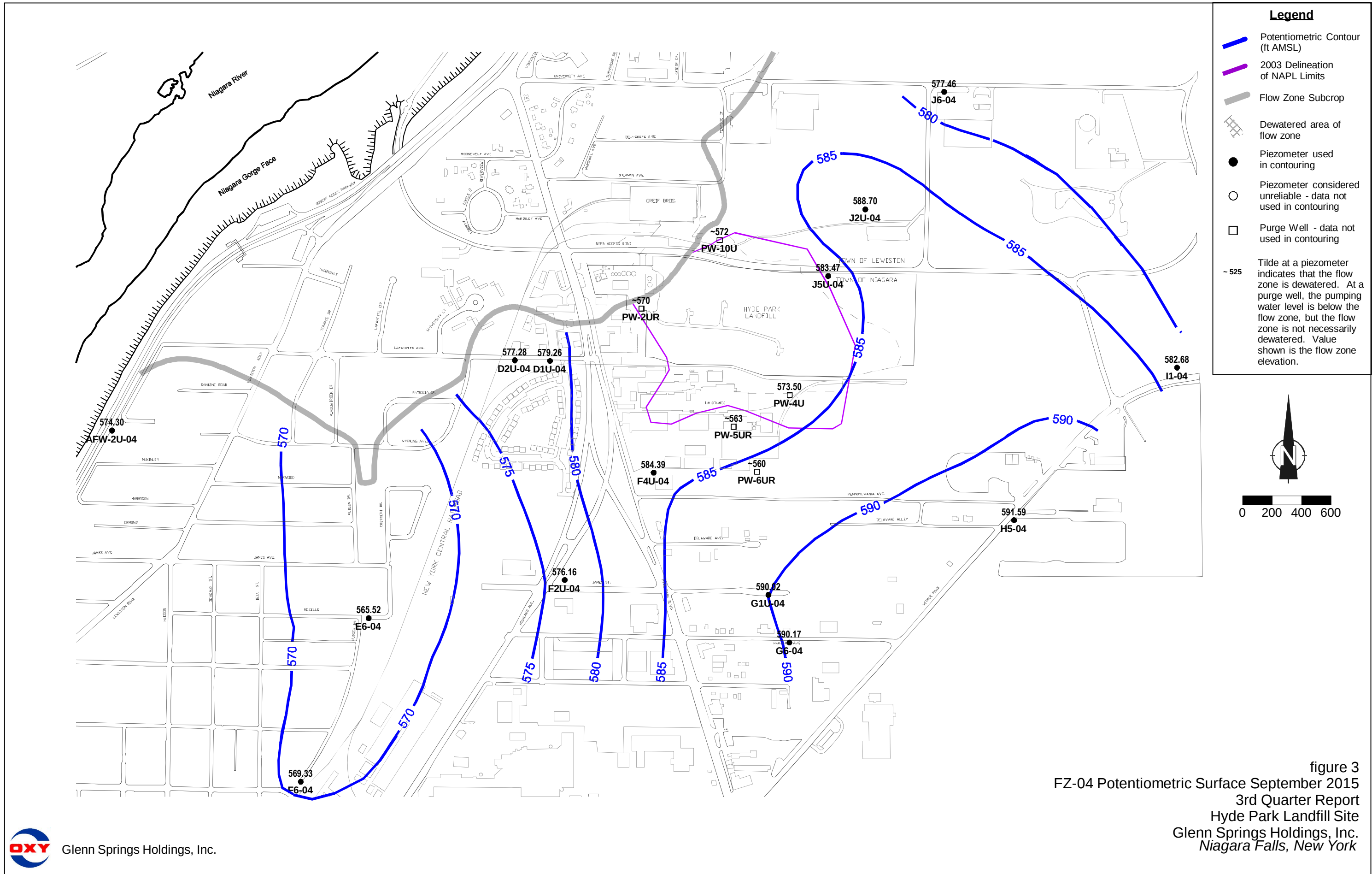
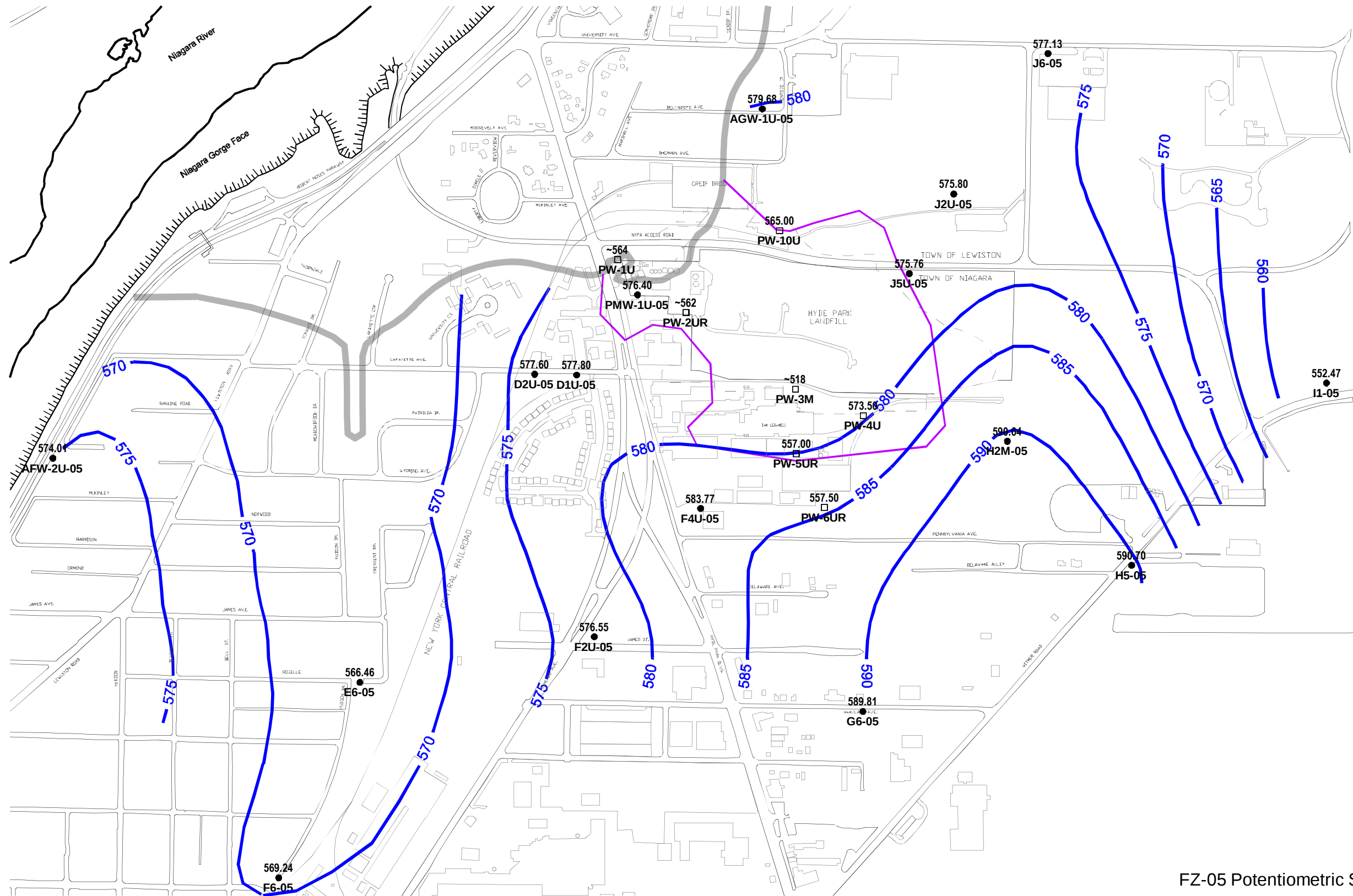


figure 2
 FZ-02 Potentiometric Surface September 2015
 3rd Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York





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 at a piezometer indicates that the flow zone is dewatered. At a purge well, the pumping water level is below the flow zone, but the flow zone is not necessarily dewatered. Value shown is the flow zone elevation.

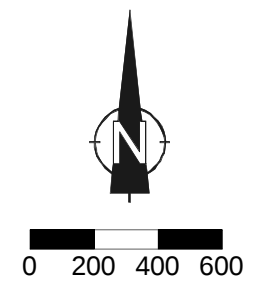


figure 4
 FZ-05 Potentiometric Surface September 2015
 3rd Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York

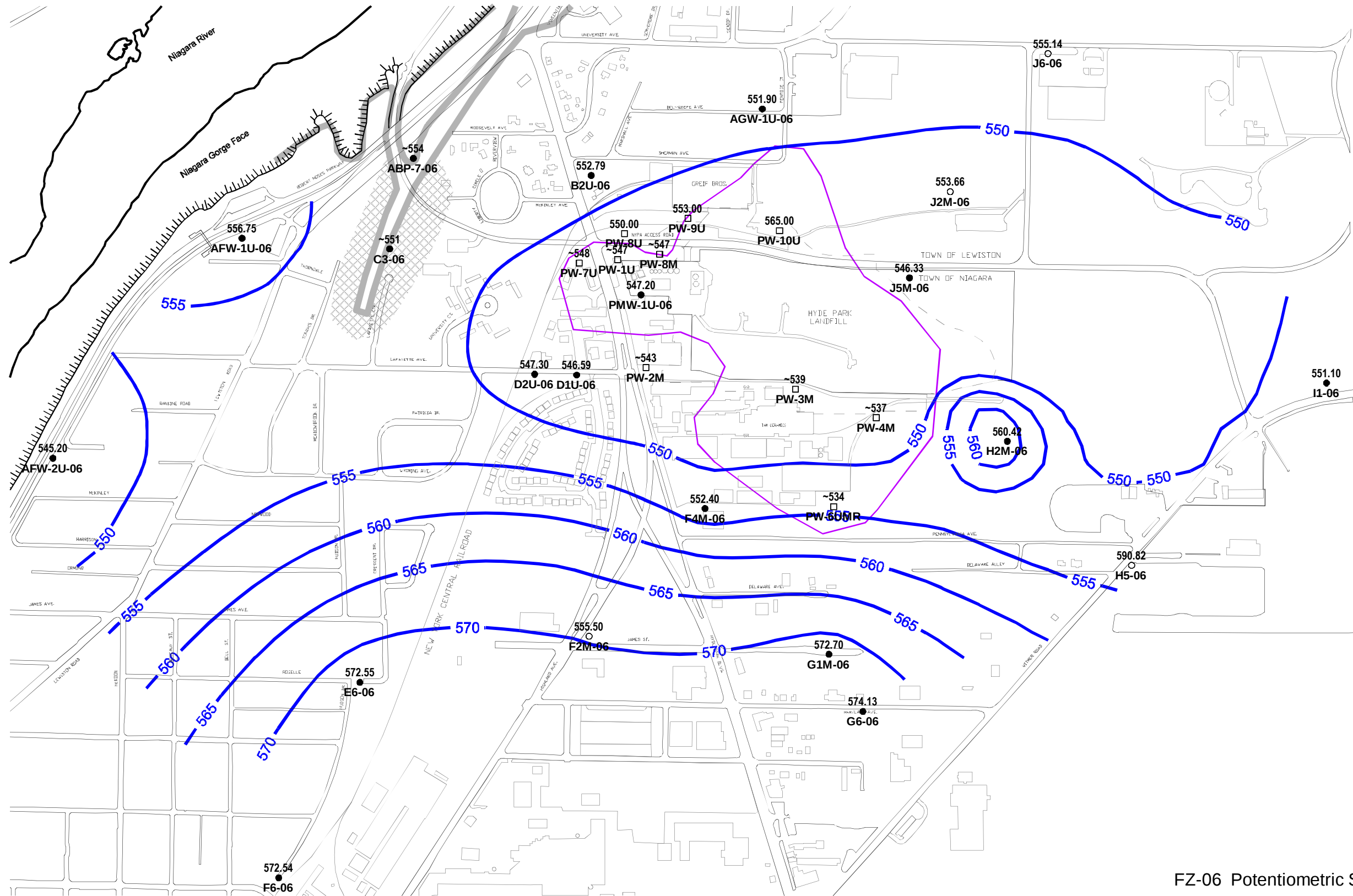
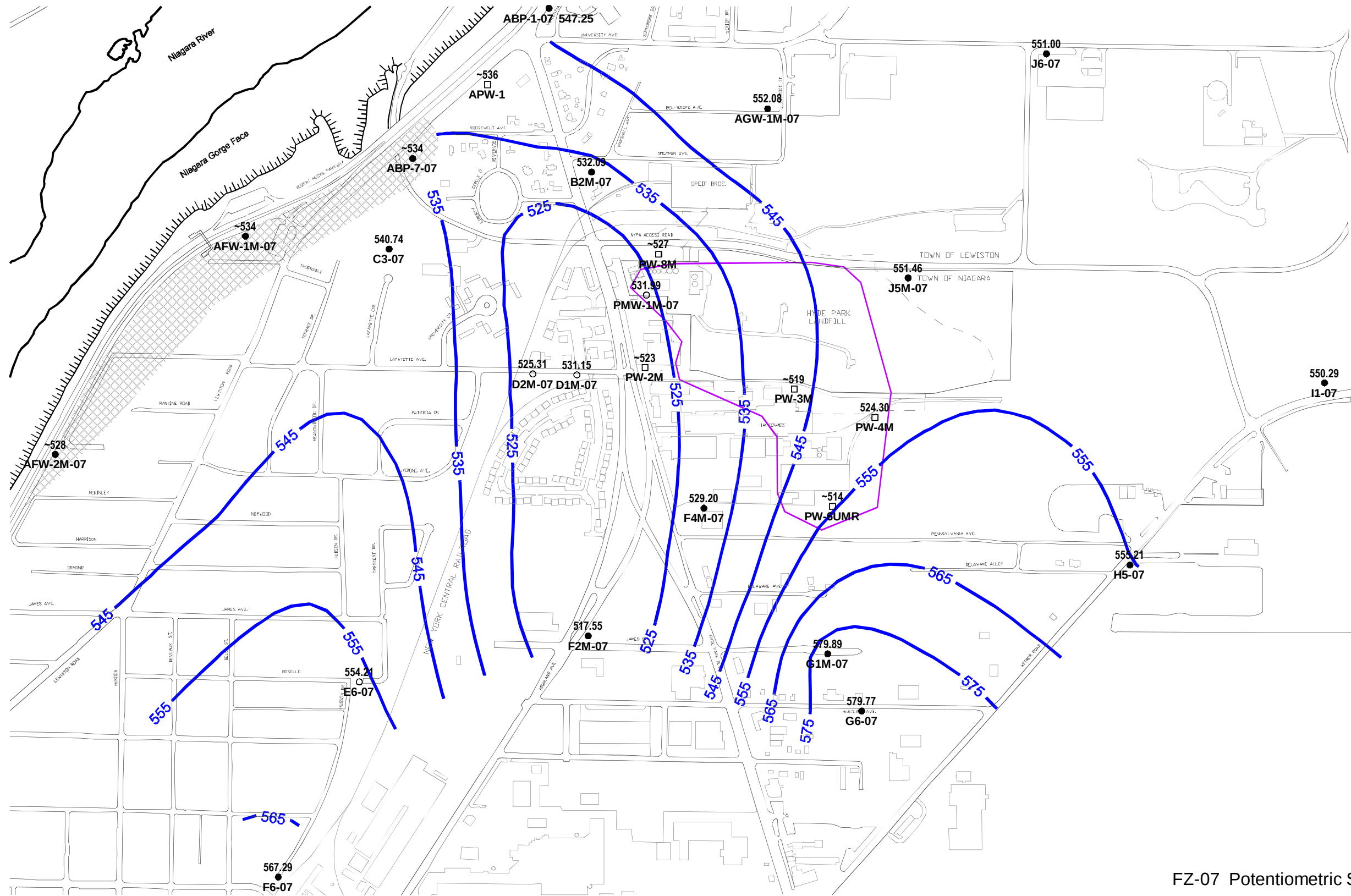


figure 5
FZ-06 Potentiometric Surface September 2015
3rd Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



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 at a piezometer indicates that the flow zone is dewatered. At a purge well, the pumping water level is below the flow zone, but the flow zone is not necessarily dewatered. Value shown is the flow zone elevation.

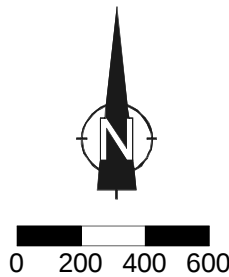
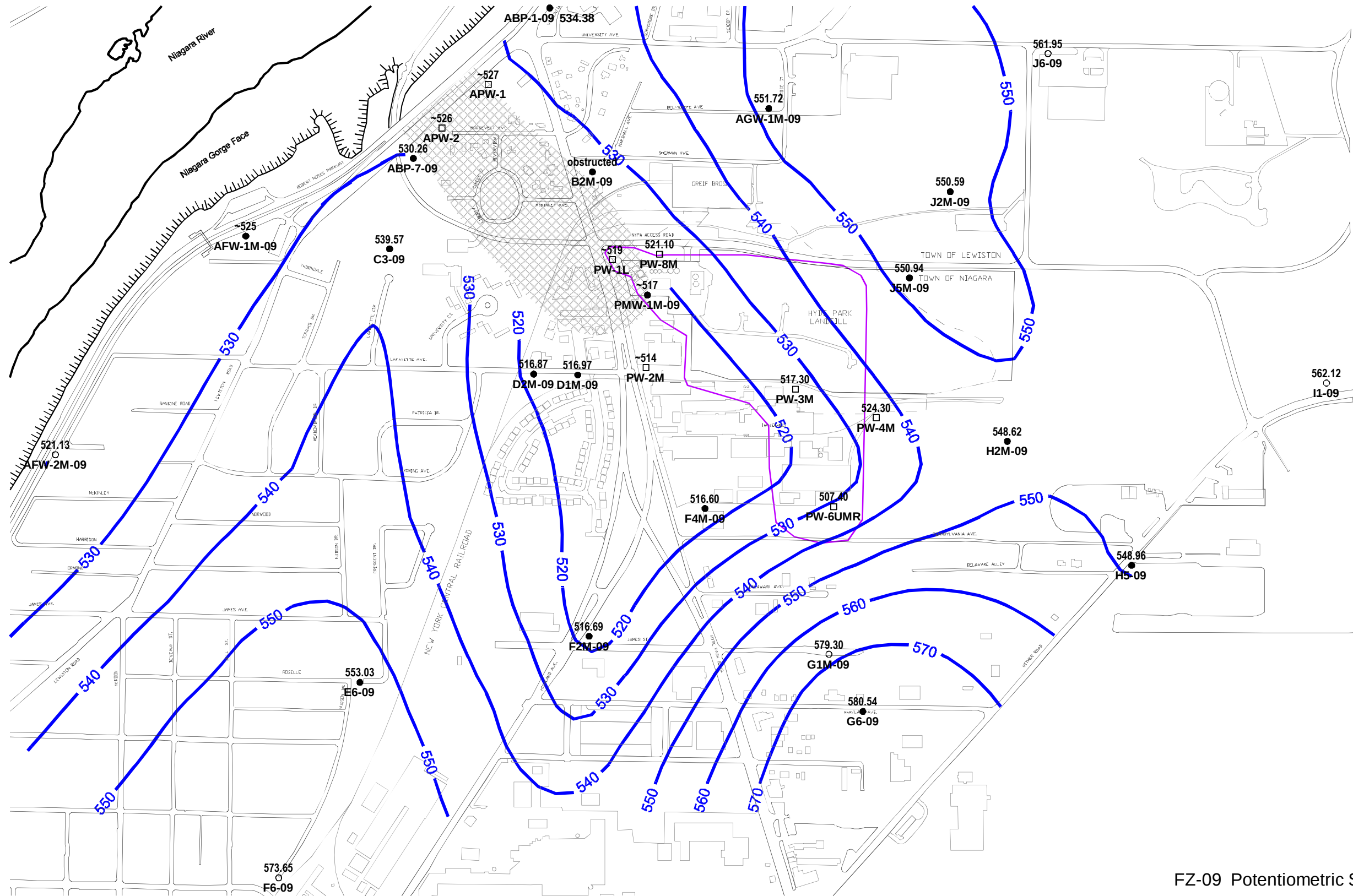


figure 6
FZ-07 Potentiometric Surface September 2015
3rd Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York



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 at a piezometer indicates that the flow zone is dewatered. At a purge well, the pumping water level is below the flow zone, but the flow zone is not necessarily dewatered. Value shown is the flow zone elevation.

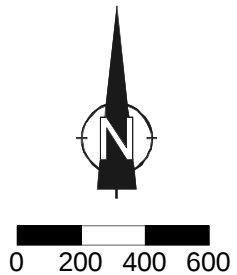


figure 7
 FZ-09 Potentiometric Surface September 2015
 3rd Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York

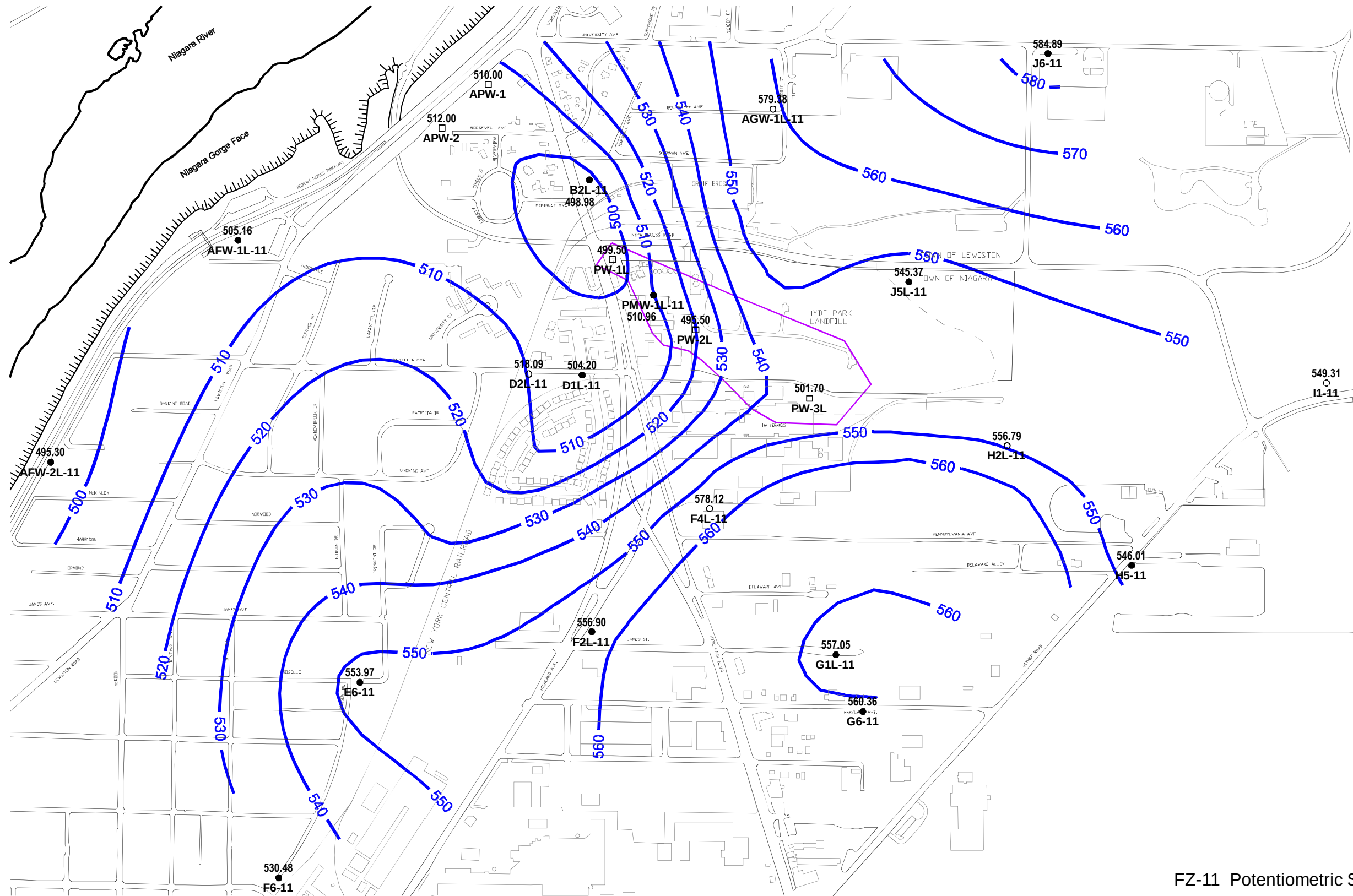
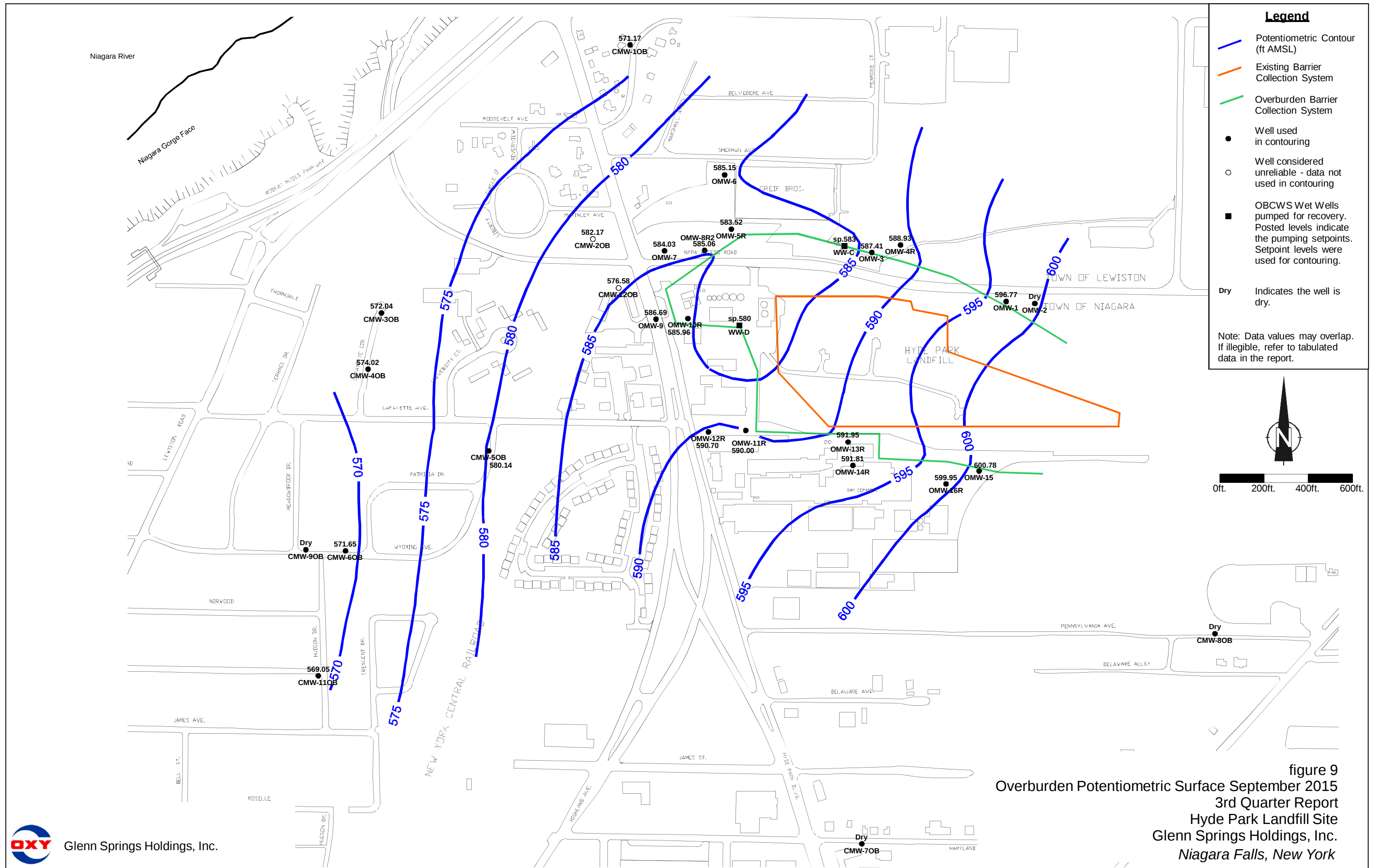


figure 8
FZ-11 Potentiometric Surface September 2015
3rd Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.
Niagara Falls, New York





PMW-1M-09 3rd Quarter 2015 - Hourly Water Level Elevation

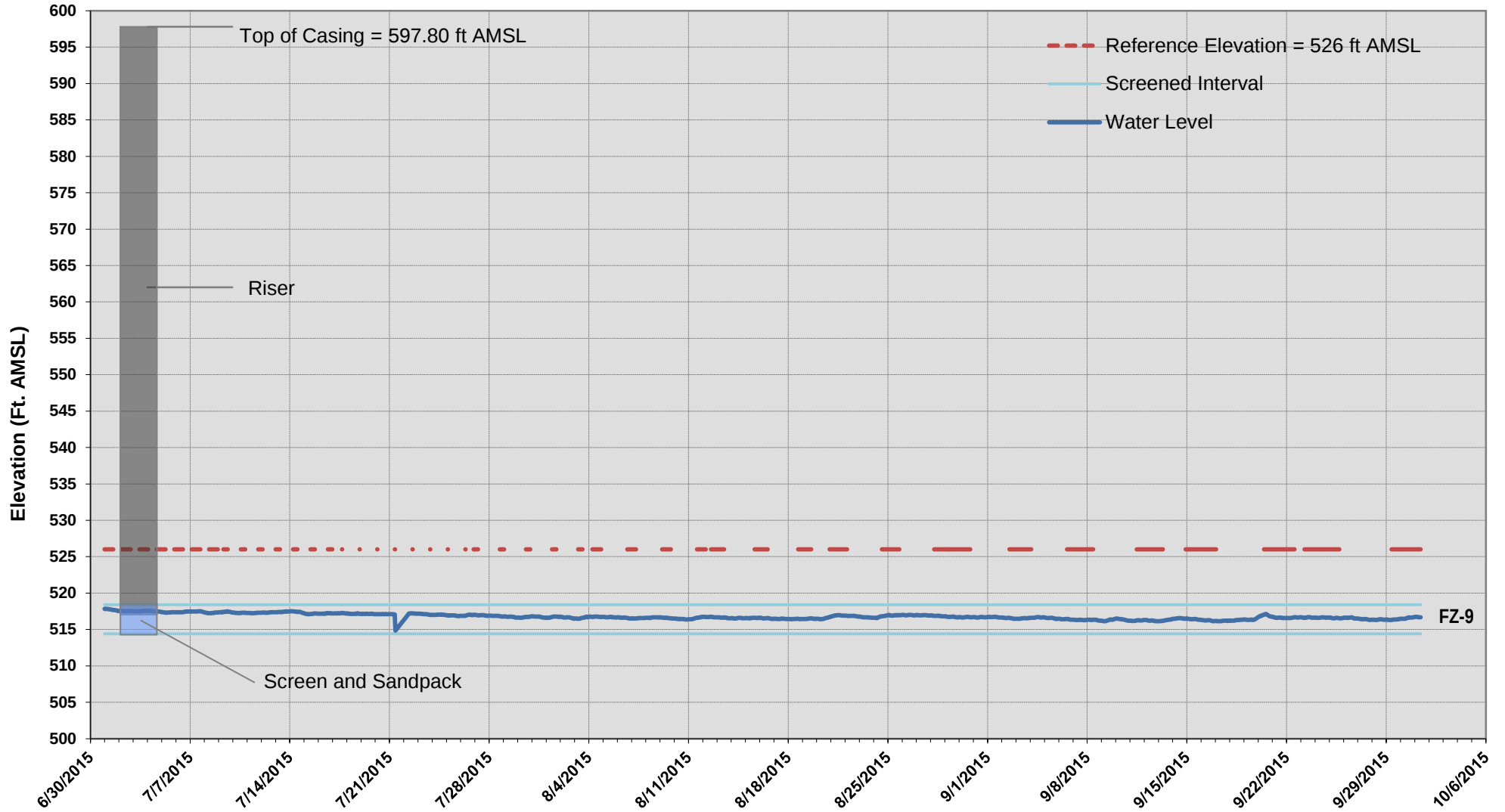


figure 10
PMW-1M-09 3rd Quarter 2015 - Hourly Water Level Elevation
3rd Quarter Report
Hyde Park Landfill Site
Glenn Springs Holdings, Inc.

**Water Level Elevation Summary
Third Quarter - 2015
Hyde Park RRT Program**

Well	Reference Elevation (ft AMSL)	Depth to Water (ft)	Water Level Elevation (ft AMSL)
Overburden			
CMW-2OB	590.79	8.62	582.17
CMW-3OB	582.13	10.09	572.04
CMW-4OB	574.28	0.26	574.02
CMW-5OB	583.43	3.29	580.14
CMW-6OB	571.89	0.24	571.65
CMW-7OB	611.00	dry	N/A
CMW-8OB	616.11	dry	N/A
CMW-9OB	571.76	dry	N/A
CMW-1OB	576.80	5.63	571.17
CMW-11OB	572.85	3.80	569.05
CMW-12OB	594.74	18.16	576.58
OMW-1	605.28	8.51	596.77
OMW-2	605.99	dry	N/A
OMW-3	598.63	11.22	587.41
OMW-4R	601.17	12.24	588.93
OMW-5R	591.31	7.79	583.52
OMW-6	587.62	2.47	585.15
OMW-7	592.74	8.71	584.03
OMW-8R2	594.67	9.61	585.06
OMW-9	595.27	8.58	586.69
OMW-10R	595.13	9.17	585.96
OMW-11R	597.52	7.52	590.00
OMW-12R	597.20	6.50	590.70
OMW-13R	601.50	9.55	591.95
OMW-14R	599.64	7.83	591.81
OMW-15	607.48	6.70	600.78
OMW-16R	607.62	7.67	599.95
SC-2	625.61	31.31	594.30
SC-3	638.72	41.12	597.60
SC-4	639.35	45.15	594.20
SC-5	634.07	28.37	605.70
SC-6	631.15	52.95	578.20
Shallow Bedrock			
CMW-1SH	576.11	13.04	563.07
CMW-2SH	590.51	20.07	570.44
CMW-3SH	581.91	33.55	548.36
CMW-4SH	574.16	8.05	566.11
CMW-5SH	583.36	9.29	574.07
CMW-6SH	572.05	10.43	561.62
CMW-7SH	610.58	12.54	598.04
CMW-8SH	615.95	10.68	605.27
CMW-9SH	571.96	12.25	559.71
CMW-11SH	573.21	8.31	564.90
CMW-12SH	597.02	28.33	568.69

**Water Level Elevation Summary
Third Quarter - 2015
Hyde Park RRT Program**

Well	Reference Elevation (ft AMSL)	Depth to Water (ft)	Water Level Elevation (ft AMSL)
Flow Zone 1			
G1U-01	617.08	17.86	599.22
G6-01	609.24	10.11	599.13
H2U-01	620.92	13.91	607.01
H5-01	617.61	24.42	593.19
I1-01	625.58	28.59	596.99
Flow Zone 2			
F2U-02	599.89	25.56	574.33
F4U-02	602.32	17.38	584.94
G1-02	616.86	26.47	590.39
G6-02	608.65	18.84	589.81
H2U-02	620.88	29.24	591.64
H5-02	617.47	25.79	591.68
I1-02	625.47	39.69	585.78
J2U-02	609.66	18.70	590.96
J5U-02	606.21	13.98	592.23
J6-02	609.23	17.69	591.54
Flow Zone 4			
AFW-2U-04	593.48	19.18	574.30
D1U-04	593.77	14.51	579.26
D2U-04	590.65	13.37	577.28
E6-04	578.23	12.71	565.52
F2U-04	599.76	23.60	576.16
F4U-04	602.19	17.80	584.39
F6-04	588.06	18.73	569.33
G1U-04	616.96	26.94	590.02
G6-04	609.15	18.98	590.17
H5-04	617.40	25.81	591.59
I1-04	625.30	42.62	582.68
J2U-04	609.42	20.72	588.70
J5U-04	606.05	22.58	583.47
J6-04	609.12	31.66	577.46
Flow Zone 5			
AFW-2U-05	593.33	19.32	574.01
AGW-1U-05	591.80	12.12	579.68
D1U-05	593.51	15.71	577.80
D2U-05	590.56	12.96	577.60
E6-05	578.04	11.58	566.46
F2U-05	599.64	23.09	576.55
F4U-05	602.06	18.29	583.77
F6-05	587.85	18.61	569.24
G6-05	609.13	19.32	589.81
H2M-05	621.59	30.95	590.64
H5-05	617.31	26.61	590.70
I1-05	625.25	72.78	552.47
J2U-05	609.30	33.50	575.80
J5U-05	605.87	30.11	575.76
J6-05	609.02	31.89	577.13
PMW-1U-05	598.00	21.60	576.40

**Water Level Elevation Summary
Third Quarter - 2015
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	N/A
AFW-1U-06	571.83	15.08	556.75
AFW-2U-06	593.22	48.02	545.20
AGW-1U-06	591.66	39.76	551.90
B2U-06	589.29	36.50	552.79
C3-06	585.78	dry	N/A
D1U-06	593.25	46.66	546.59
D2U-06	590.38	43.08	547.30
E6-06	577.99	5.44	572.55
F2M-06	599.06	43.56	555.50
F4M-06	602.05	49.65	552.40
F6-06	587.84	15.30	572.54
G1M-06	616.75	44.05	572.70
G6-06	609.09	34.96	574.13
H2M-06	621.42	61.00	560.42
H5-06	617.17	26.35	590.82
I1-06	625.15	74.05	551.10
J2M-06	608.94	55.28	553.66
J5M-06	606.22	59.89	546.33
J6-06	608.93	53.79	555.14
PMW-1U-06	597.92	50.72	547.20
Flow Zone 7			
ABP-1-07	576.44	29.19	547.25
ABP-7-07	575.73	42.63	533.10
AFW-1M-07	571.41	dry	N/A
AFW-2M-07	593.44	66.82	526.62
AGW-1M-07	592.91	40.83	552.08
B2M-07	589.52	57.43	532.09
C3-07	585.62	44.88	540.74
D1M-07	594.15	63.00	531.15
D2M-07	590.77	65.46	525.31
E6-07	577.91	23.70	554.21
F2M-07	598.91	81.36	517.55
F4M-07	601.91	72.71	529.20
F6-07	587.68	20.39	567.29
G1M-07	616.68	36.79	579.89
G6-07	609.06	29.29	579.77
H5-07	617.05	61.84	555.21
I1-07	625.14	74.85	550.29
J5M-07	606.07	54.61	551.46
J6-07	608.85	57.85	551.00
PMW-1M-07	598.50	66.51	531.99

**Water Level Elevation Summary
Third Quarter - 2015
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	41.11	534.38
ABP-7-09	575.67	45.41	530.26
AFW-1M-09	571.12	46.44	524.68
AFW-2M-09	593.32	72.19	521.13
AGW-1M-09	592.75	41.03	551.72
B2M-09	589.34	N/A*	N/A
C3-09	585.00	45.43	539.57
D1M-09	594.02	77.05	516.97
D2M-09	590.66	73.79	516.87
E6-09	577.82	24.79	553.03
F2M-09	598.71	82.02	516.69
F4M-09	601.79	85.19	516.60
F6-09	587.53	13.88	573.65
G1M-09	616.58	37.28	579.30
G6-09	608.98	28.44	580.54
H2M-09	621.32	72.70	548.62
H5-09	616.93	67.97	548.96
I1-09	624.91	62.79	562.12
J2M-09	608.77	58.18	550.59
J5M-09	605.82	54.88	550.94
J6-09	608.76	46.81	561.95
PMW-1M-09	598.34	81.52	516.82
Flow Zone 11			
AFW-1L-11	572.10	66.94	505.16
AFW-2L-11	593.43	98.13	495.30
AGW-1L-11	592.71	13.33	579.38
B2L-11	589.65	90.67	498.98
D1L-11	593.80	89.60	504.20
D2L-11	590.21	72.12	518.09
E6-11	577.72	23.75	553.97
F2L-11	598.94	42.04	556.90
F4L-11	602.22	24.10	578.12
F6-11	587.40	56.92	530.48
G1L-11	616.84	59.79	557.05
G6-11	608.89	48.53	560.36
H2L-11	620.73	63.94	556.79
H5-11	616.81	70.80	546.01
I1-11	624.75	75.44	549.31
J5L-11	607.20	61.83	545.37
J6-11	608.68	23.79	584.89
PMW-1L-11	598.84	87.88	510.96

**Water Level Elevation Summary
Third Quarter - 2015
Hyde Park RRT Program**

Well	Reference Elevation (ft AMSL)	Depth to Water (ft)	Water Level Elevation (ft AMSL)
Purge Wells			
APW-1	564.98	54.98	510.00
APW-2	569.89	57.89	512.00
PW-1L	593.16	93.66	499.50
PW-1U	593.16	46.96	546.20
PW-2L	597.29	101.79	495.50
PW-2M	596.61	84.71	511.90
PW-2UR	594.75	36.35	558.40
PW-3L	599.05	97.35	501.70
PW-3M	597.79	80.49	517.30
PW-4M	606.93	82.63	524.30
PW-4U	604.85	31.35	573.50
PW-5UR	601.31	44.31	557.00
PW-6UMR	609.31	101.91	507.40
PW-6UR	608.47	50.97	557.50
PW-7U	592.47	49.07	543.40
PW-8M	592.67	71.57	521.10
PW-8U	589.27	39.27	550.00
PW-9U	587.47	34.47	553.00
PW-10U	593.54	28.54	565.00

Notes:

ft AMSL	- Feet above mean sea level
Dry	- No water present at the time of measurement
Surcharged	- Well full of water to top of casing
N/A	- Not available/not applicable
*	- Well obstructed

Table 2

**Leachate Treatment System Daily Effluent Monitoring Data
Third Quarter - 2015
Hyde Park RRT Program**

Date	Phenol (mg/L)	pH (su)	Effluent	Comments
			Flow (gal)	
07/01/15	0.0087 J	7.0	113,000	
07/02/15	-	7.0	42,000	
07/03/15	-			
07/04/15	-			
07/05/15	-			
07/06/15	-	7.0	191,000	
07/07/15	-	7.0	135,000	
07/08/15	0.011	7.1	143,000	
07/09/15	-	7.0	140,000	
07/10/15	-	7.0	102,000	
07/11/15	-			
07/12/15	-			
07/13/15	-	7.0	118,000	
07/14/15	-	7.0	86,000	
07/15/15	0.010 U	7.1	70,000	
07/16/15	-	7.0	61,000	
07/17/15	-			
07/18/15	-			
07/19/15	-			
07/20/15	-	7.0	119,000	
07/21/15	-	7.0	117,000	
07/22/15	0.011	7.0	85,000	
07/23/15	-	7.0	24,000	
07/24/15	-			
07/25/15	-			
07/26/15	-			
07/27/15	-			
07/28/15	-			
07/29/15	-	7.0	79,000	
07/30/15	0.013	7.0	318,000	
07/31/15	-			
08/01/15	-			
08/02/15	-			
08/03/15	-	7.1	112,000	
08/04/15	-			
08/05/15	-	7.0	123,000	
08/06/15	0.013	7.0	38,000	
08/07/15	-			

Table 2

**Leachate Treatment System Daily Effluent Monitoring Data
Third Quarter - 2015
Hyde Park RRT Program**

Date	Effluent			Comments
	Phenol (mg/L)	pH (su)	Flow (gal)	
08/08/15	-			
08/09/15	-			
08/10/15	-	7.0	129,000	
08/11/15	-	7.0	106,000	
08/12/15	0.010 U	7.0	49,000	
08/13/15	-			
08/14/15	-	7.0	80,000	
08/15/15	-			
08/16/15	-			
08/17/15	-	7.0	103,000	
08/18/15	-	7.0	96,000	
08/19/15	0.042	7.0	70,000	
08/20/15	-	7.0	53,000	
08/21/15	-			
08/22/15	-			
08/23/15	-			
08/24/15	-	7.1	115,000	
08/25/15	-			
08/26/15	0.010 U	7.1	108,000	
08/27/15	-	7.1	39,000	
08/28/15	-			
08/29/15	-			
08/30/15	-			
08/31/15	-	7.0	115,000	
09/01/15	-	7	117,000	
09/02/15	0.037	7	59,000	
09/03/15	-			
09/04/15	-	7	76,000	
09/05/15	-			
09/06/15	-			
09/07/15	-			
09/08/15	-	7	116,000	
09/09/15	0.035	7	51,000	
09/10/15	-			
09/11/15	-	7	107,000	
09/12/15	-			
09/13/15	-			
09/14/15	-	7	122,000	

Table 2

**Leachate Treatment System Daily Effluent Monitoring Data
Third Quarter - 2015
Hyde Park RRT Program**

Date	Phenol (mg/L)	pH (su)	Effluent	Comments
			Flow (gal)	
09/15/15	-	7	114,000	
09/16/15	0.028	7	123,000	
09/17/15	-	7	125,000	
09/18/15	-	7	77,000	
09/19/15	-			
09/20/15	-			
09/21/15	-	7	122,000	
09/22/15	-	7	80,000	
09/23/15	0.031	7	33,000	
09/24/15	-			
09/25/15	-	7	89,000	
09/26/15	-			
09/27/15	-			
09/28/15	-			
09/29/15	-			
09/30/15	0.049	7	119,000	

Notes:

- mg/L - Milligram per liter
- su - Standard unit
- gal - Gallons
- - Not available
- U - Not detected at the associated reporting limit
- J - Estimated concentration

Table 3

Analytical Results Summary

Weekly Sampling - Leachate Treatment System

Third Quarter - 2015

Hyde Park RRT Program

Effluent	Parameter	Units	07/01/2015	07/15/2015	07/22/2015	07/30/2015	8/6/2015	8/12/2015	8/19/2015	8/26/2015	09/02/2015	09/09/2015	09/16/2015	09/23/2015	09/30/2015
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	1.0 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	1.0 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	1.0 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	1.0 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	1.0 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	1.0 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	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-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	1.0 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	1.0 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	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	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	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	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	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	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	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	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	0.43 J	1.0 U	0.22 J	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	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	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	1.0 U	1.0 U	1.0 U	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	1.0 U	1.0 U	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	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	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-1,3-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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Vinyl chloride	µg/L	210	190	200	260	240	290	210	230	250	270	240	300	340
	Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U

Notes:

J - Estimated concentration

U - Not detected at the associated reporting limit

µg/L - Microgram per liter

**Analytical Results Summary
Quarterly Sampling - Leachate Treatment System
Third Quarter - 2015
Hyde Park RRT Program**

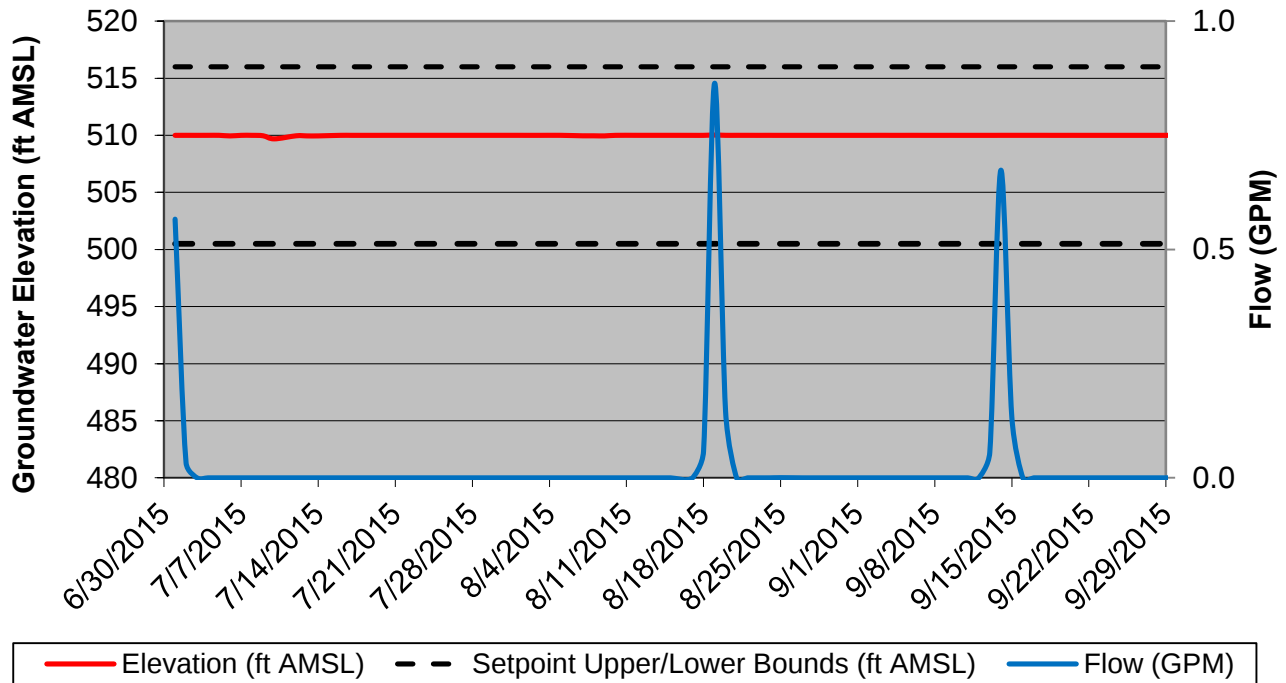
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Sample ID:		HP92315 EFFABCD	HP32515 EFF
Sample Date:		09/22/2015	09/23/2015
Parameters	Units		
Volatile Organic Compounds			
Vinyl chloride	µg/L	250	--
General Chemistry			
Phosphorus	mg/L	--	0.18

Notes:

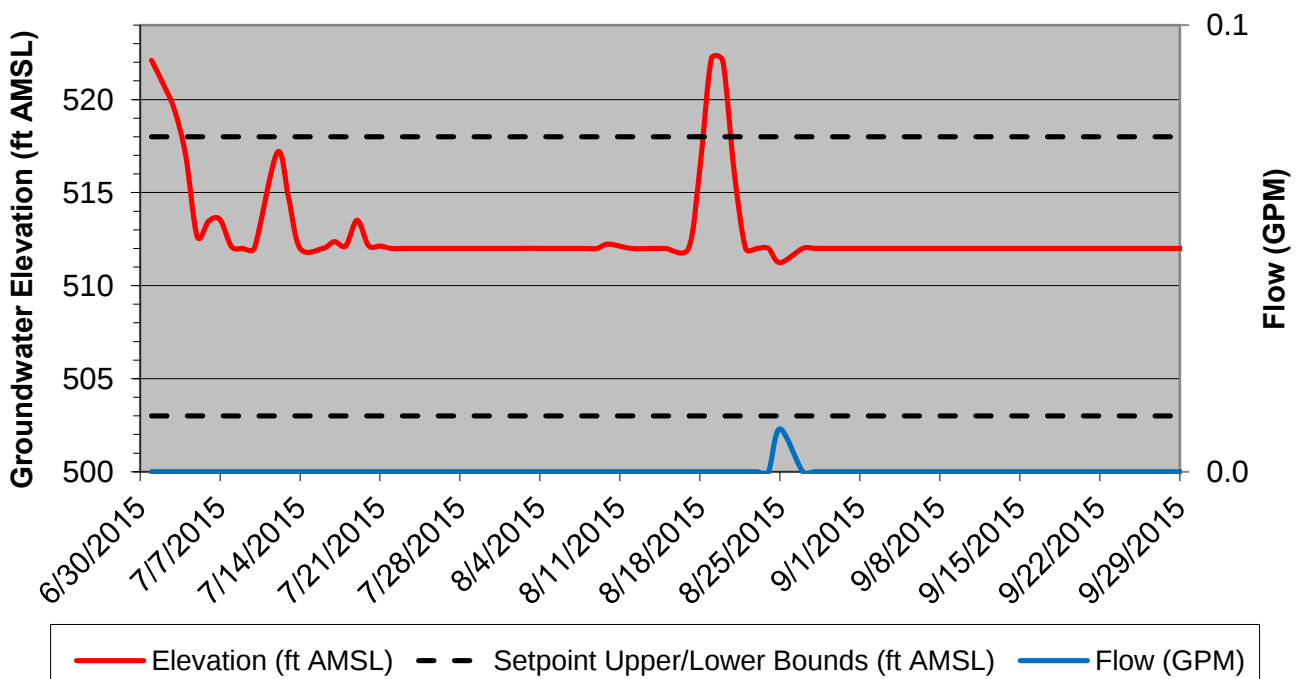
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Third Quarter 2015 - Pumping Well Performance Graphs
Hyde Park

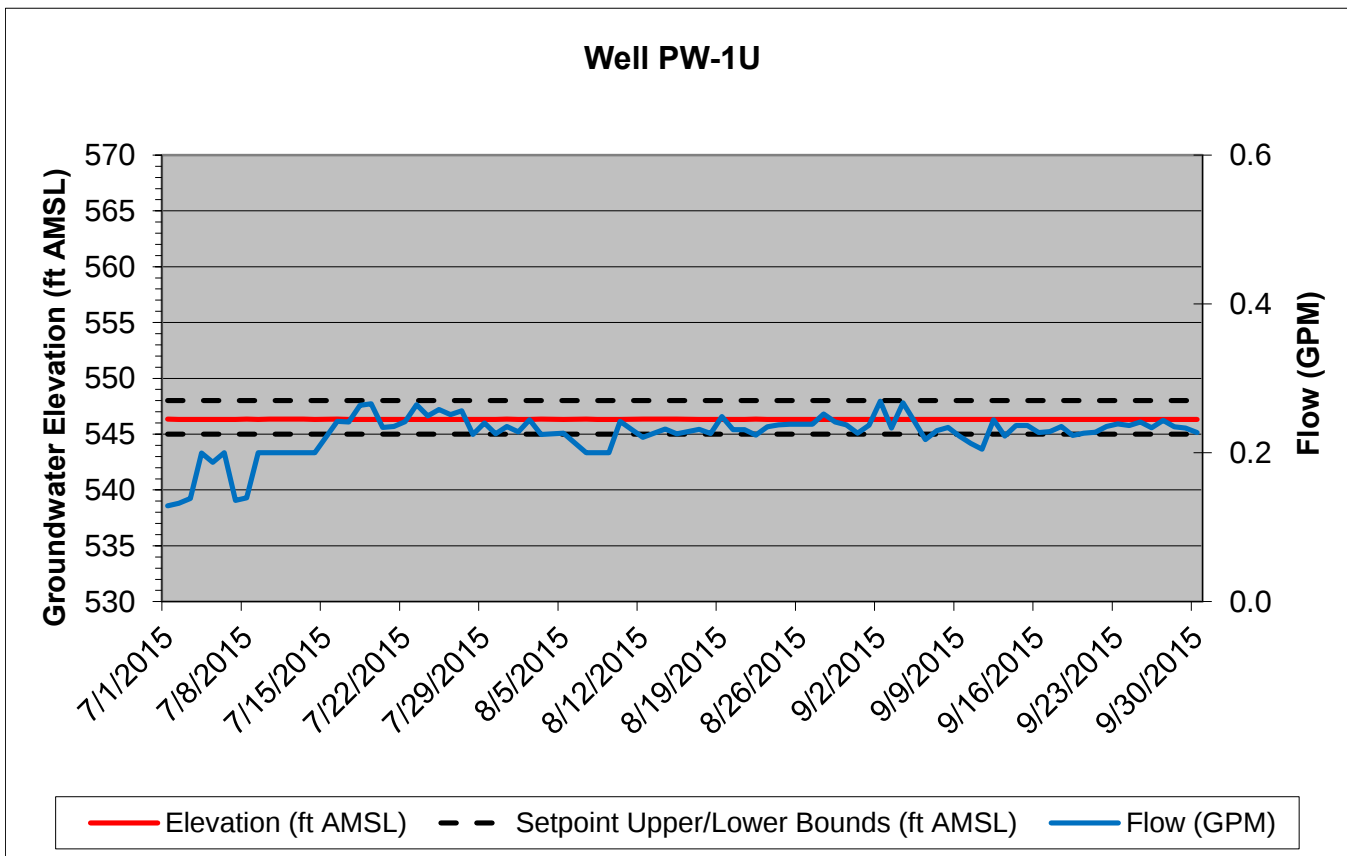
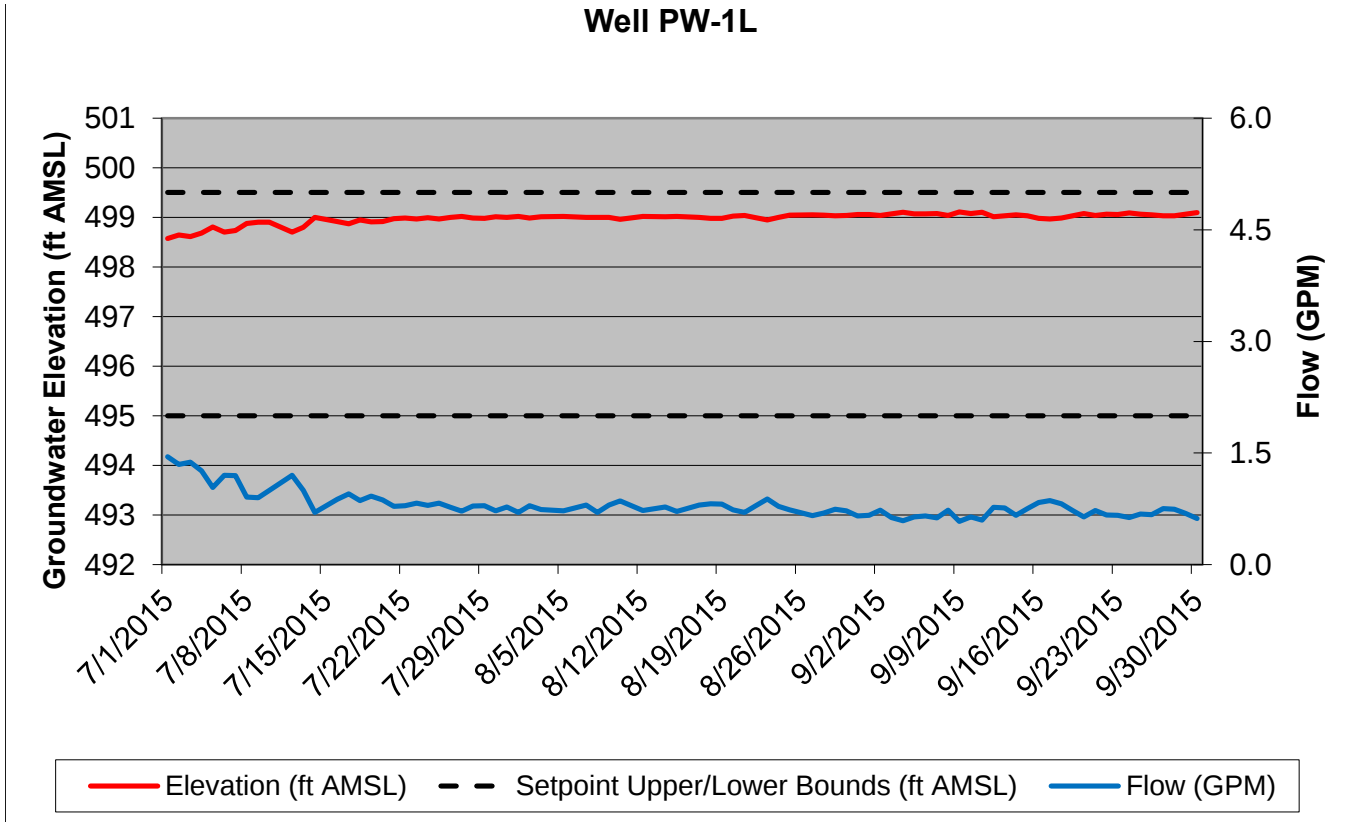
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Well APW-2

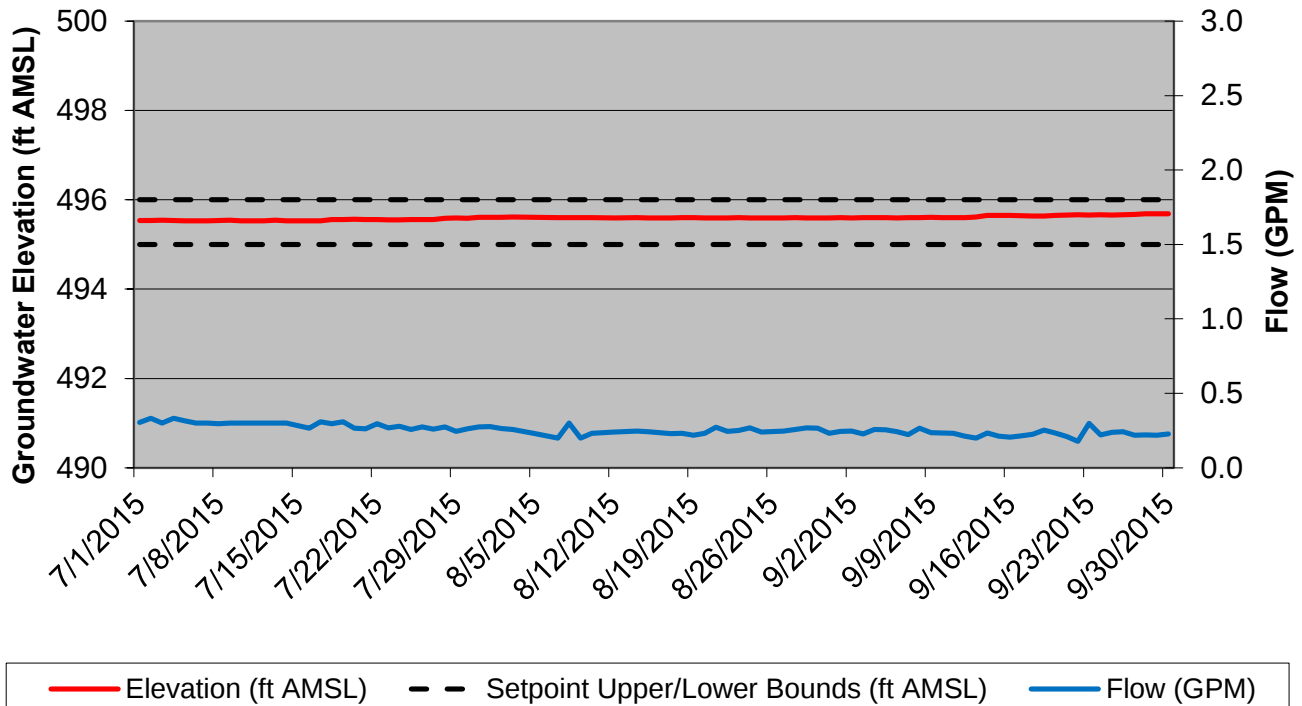


Third Quarter 2015 - Pumping Well Performance Graphs
Hyde Park
Well PW-1L

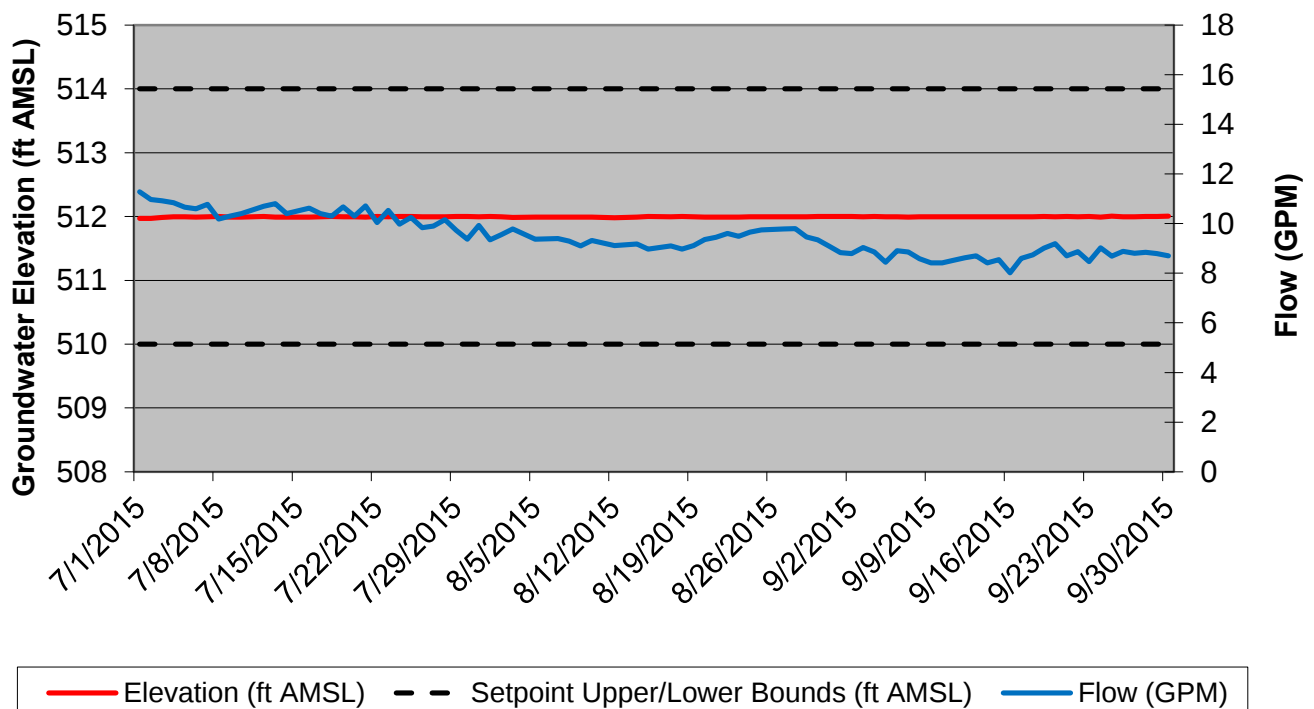


Third Quarter 2015 - Pumping Well Performance Graphs
Hyde Park

Well PW-2L

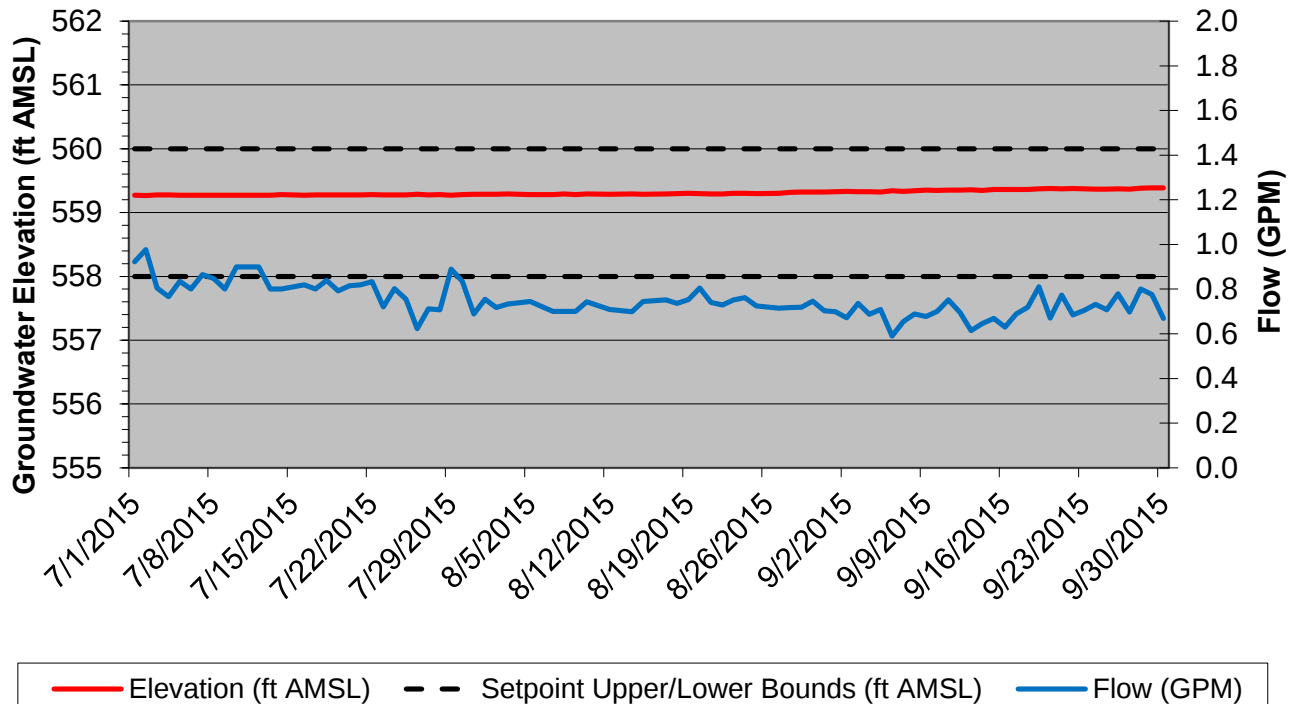


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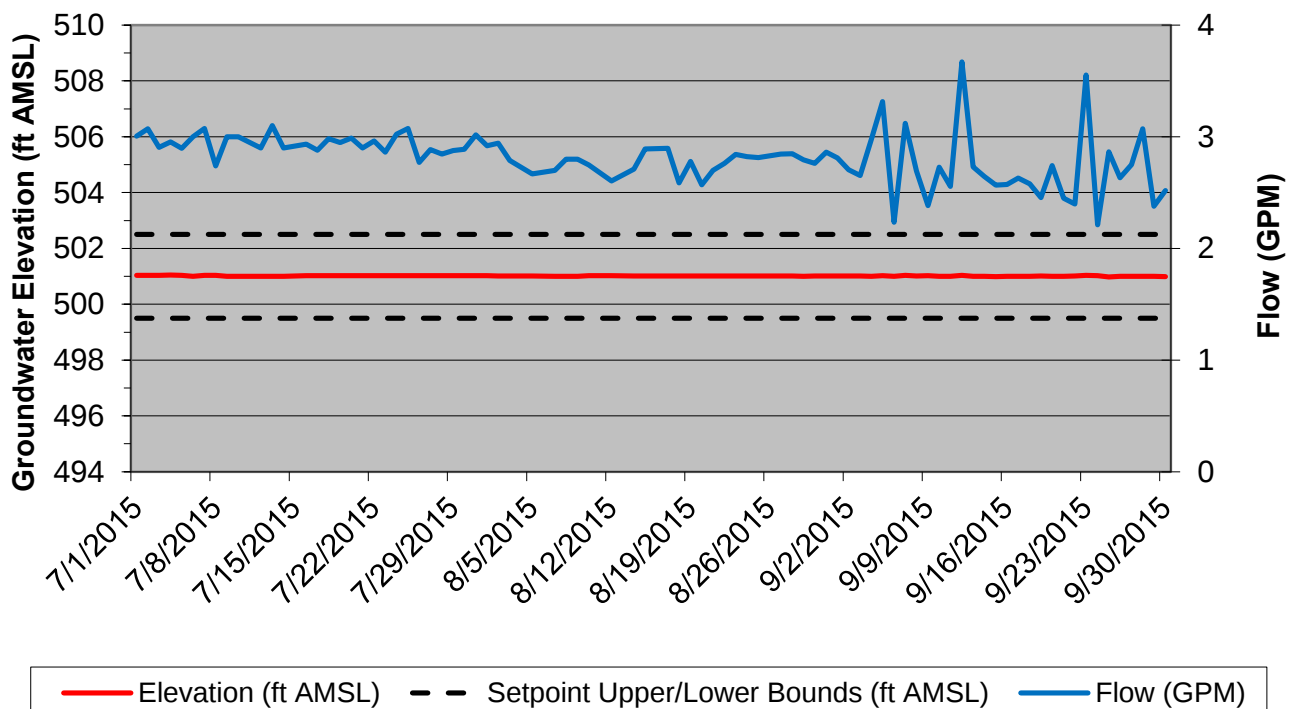


Third Quarter 2015 - Pumping Well Performance Graphs
Hyde Park

Well PW-2UR

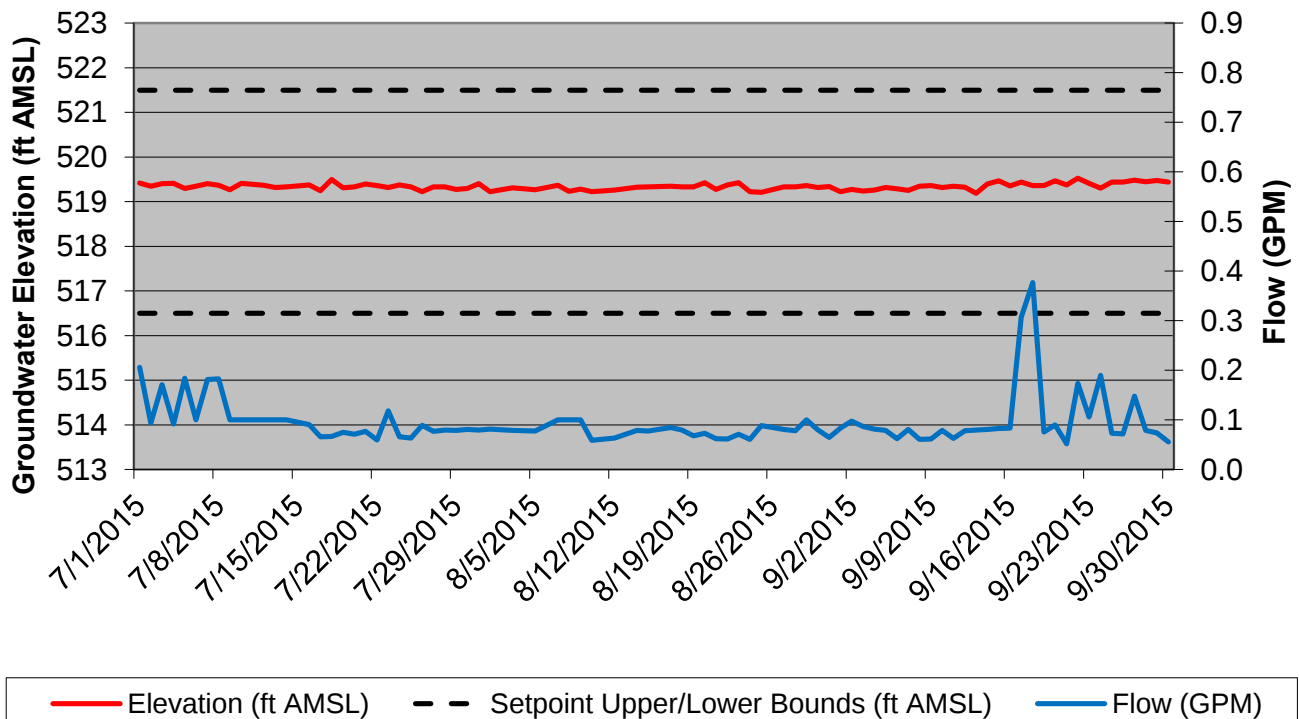


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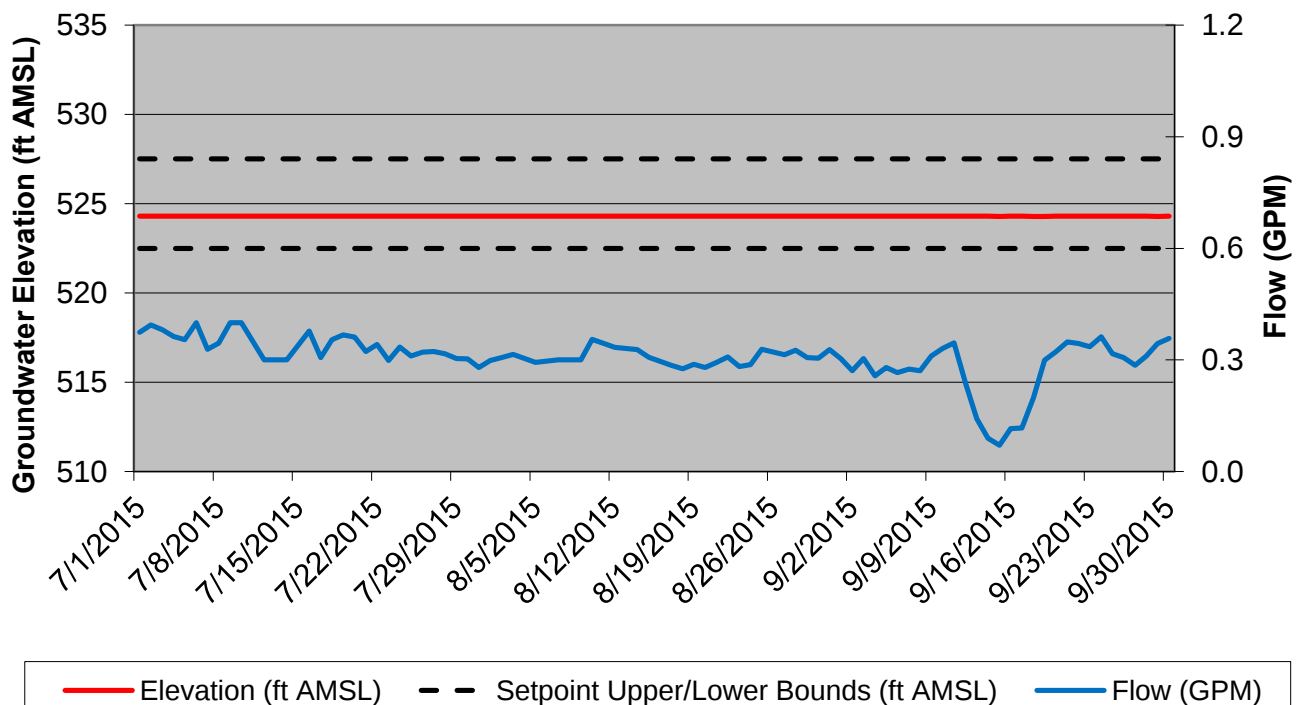


Third Quarter 2015 - Pumping Well Performance Graphs
Hyde Park

Well PW-3M

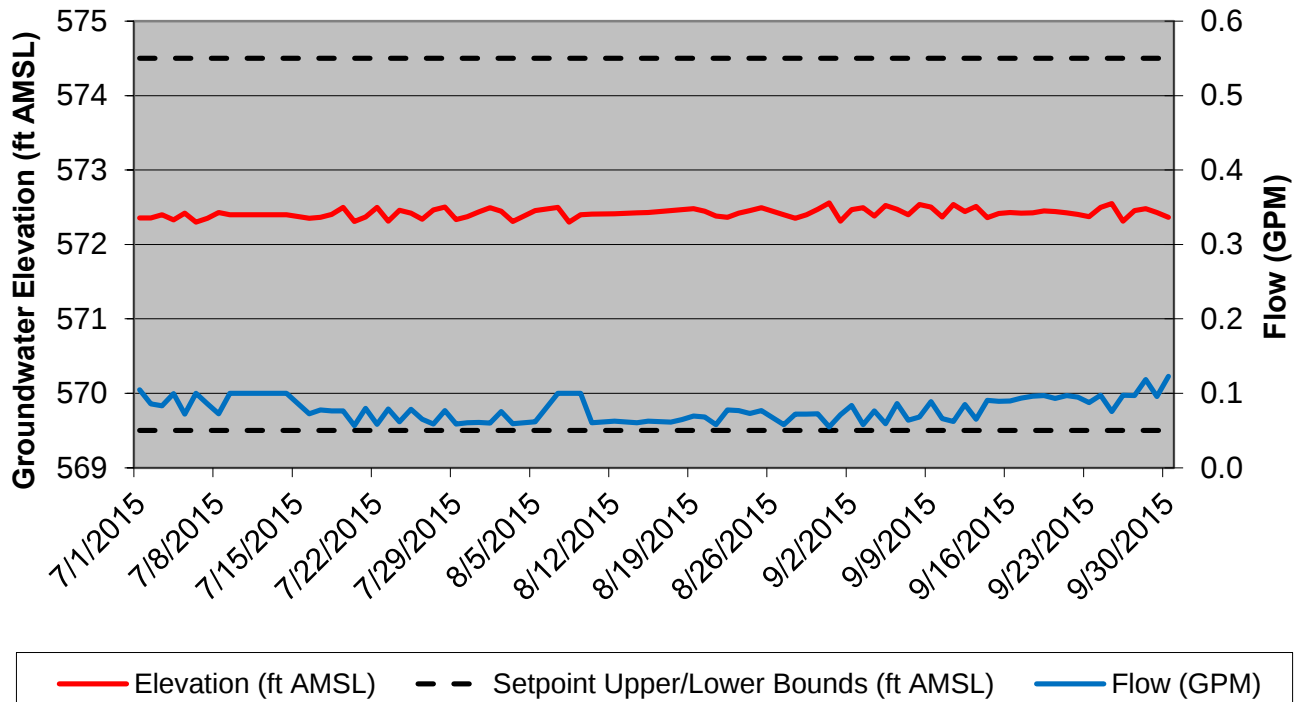


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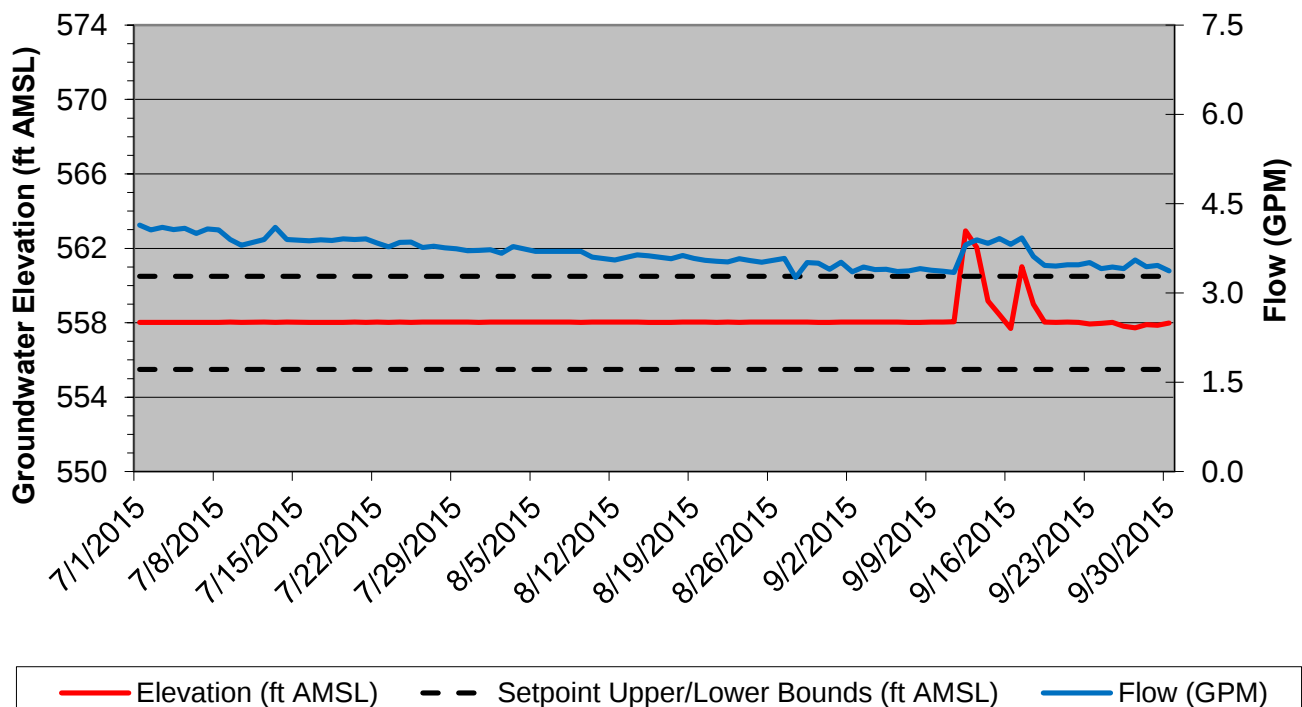


Third Quarter 2015 - Pumping Well Performance Graphs
Hyde Park

Well PW-4U

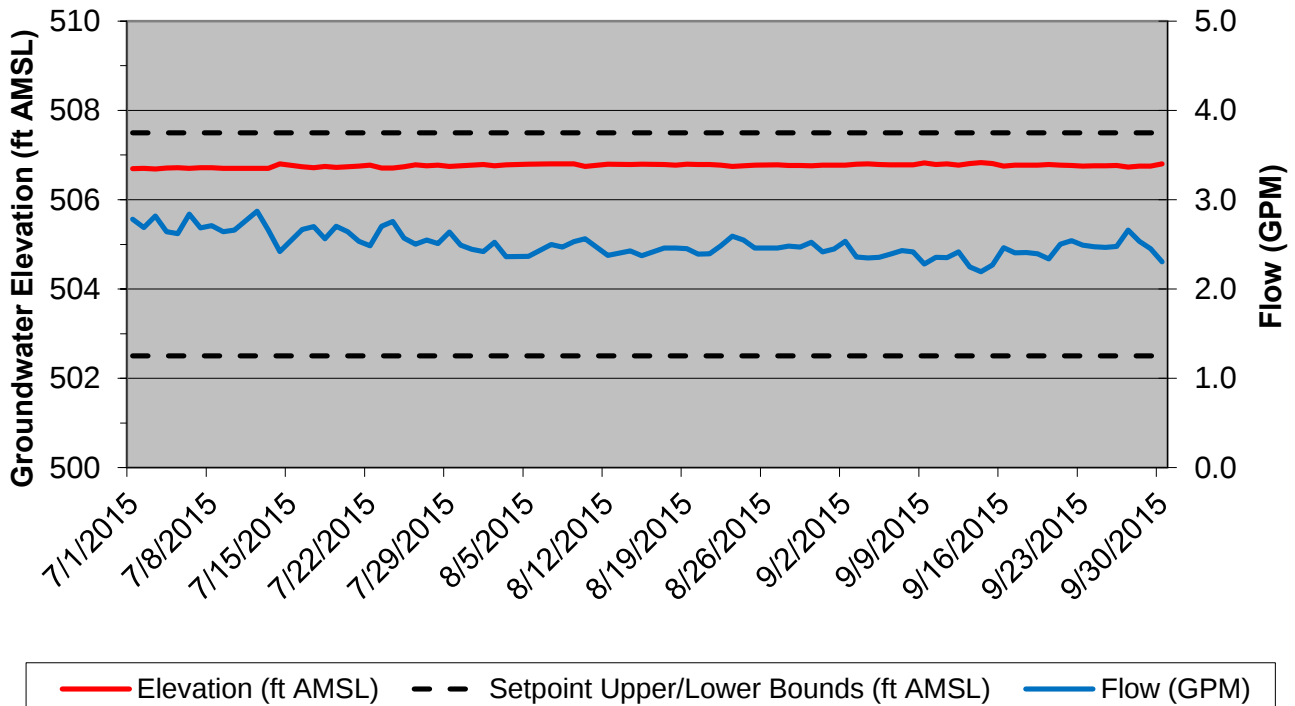


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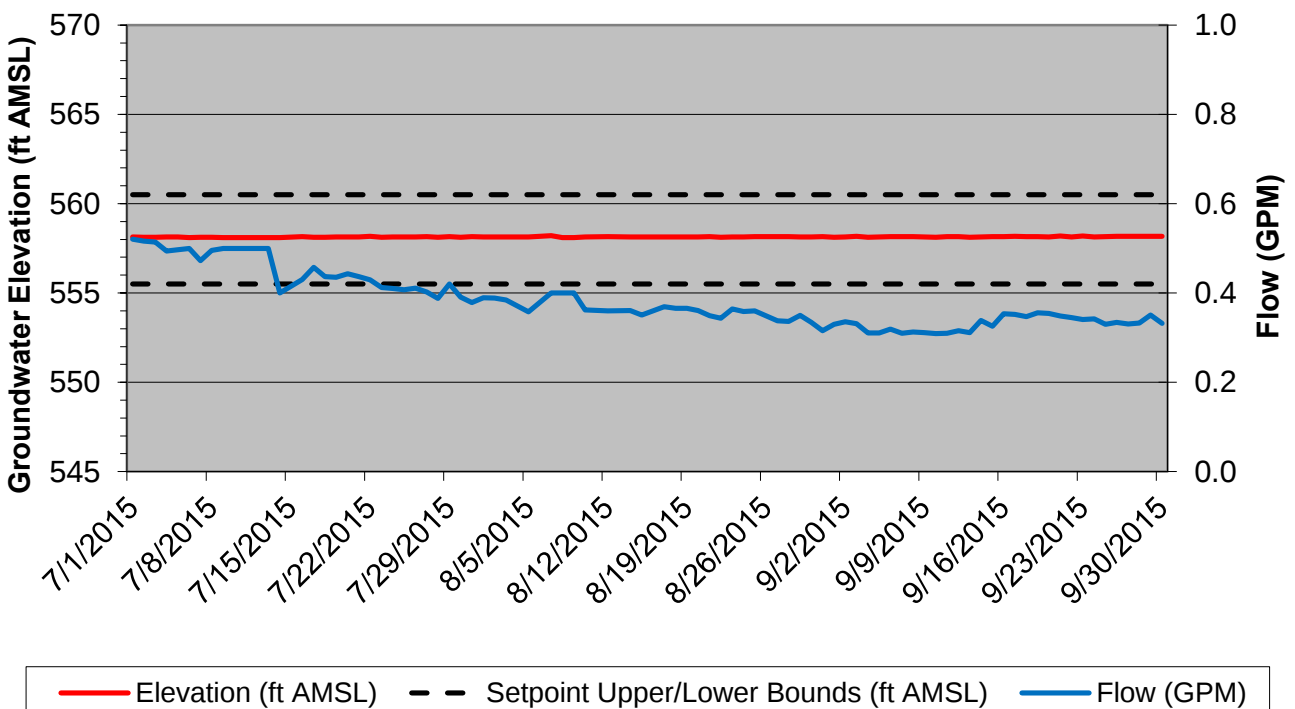


Third Quarter 2015 - Pumping Well Performance Graphs
Hyde Park

Well PW-6MR

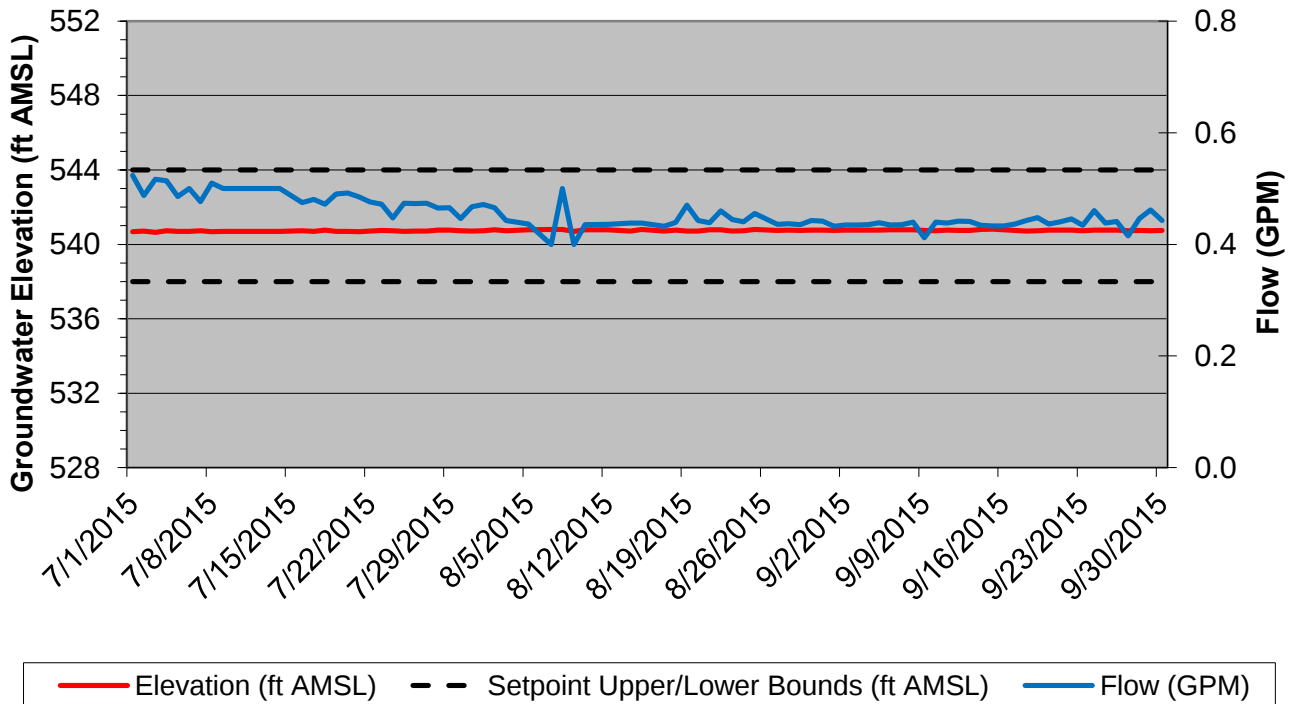


Well PW-6UR

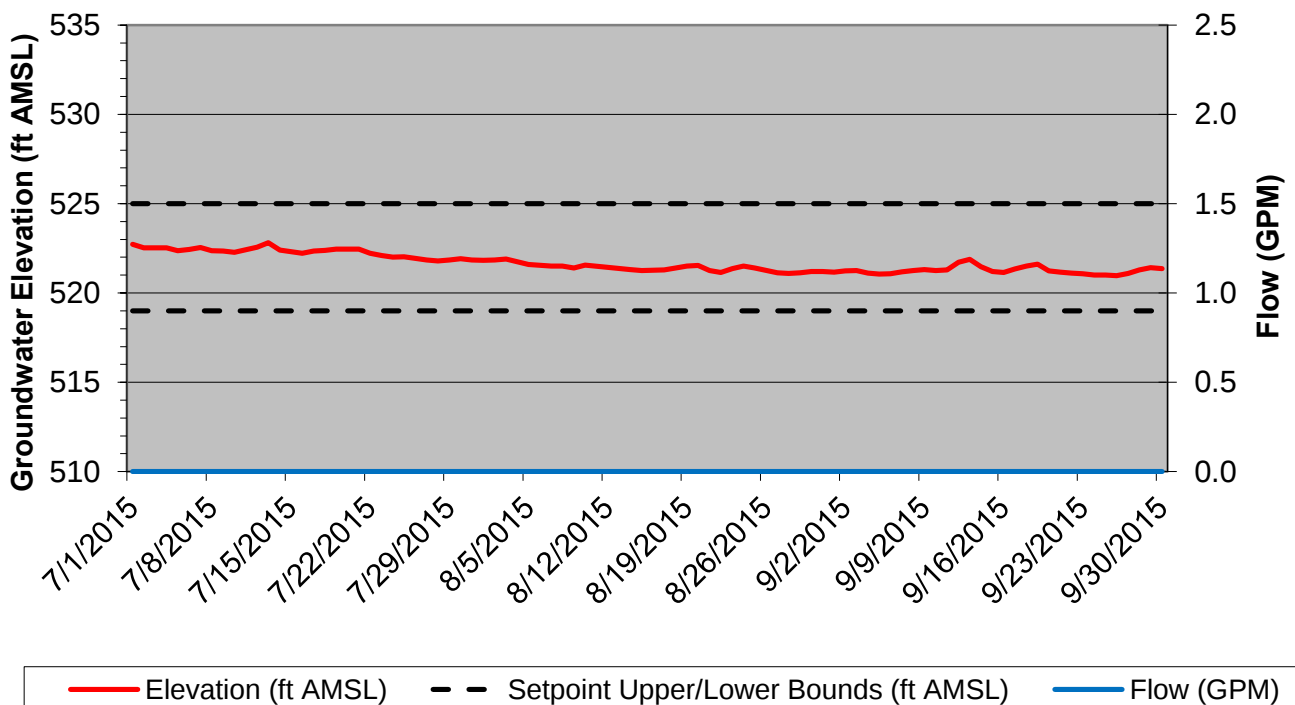


Third Quarter 2015 - Pumping Well Performance Graphs
Hyde Park

Well PW-7U

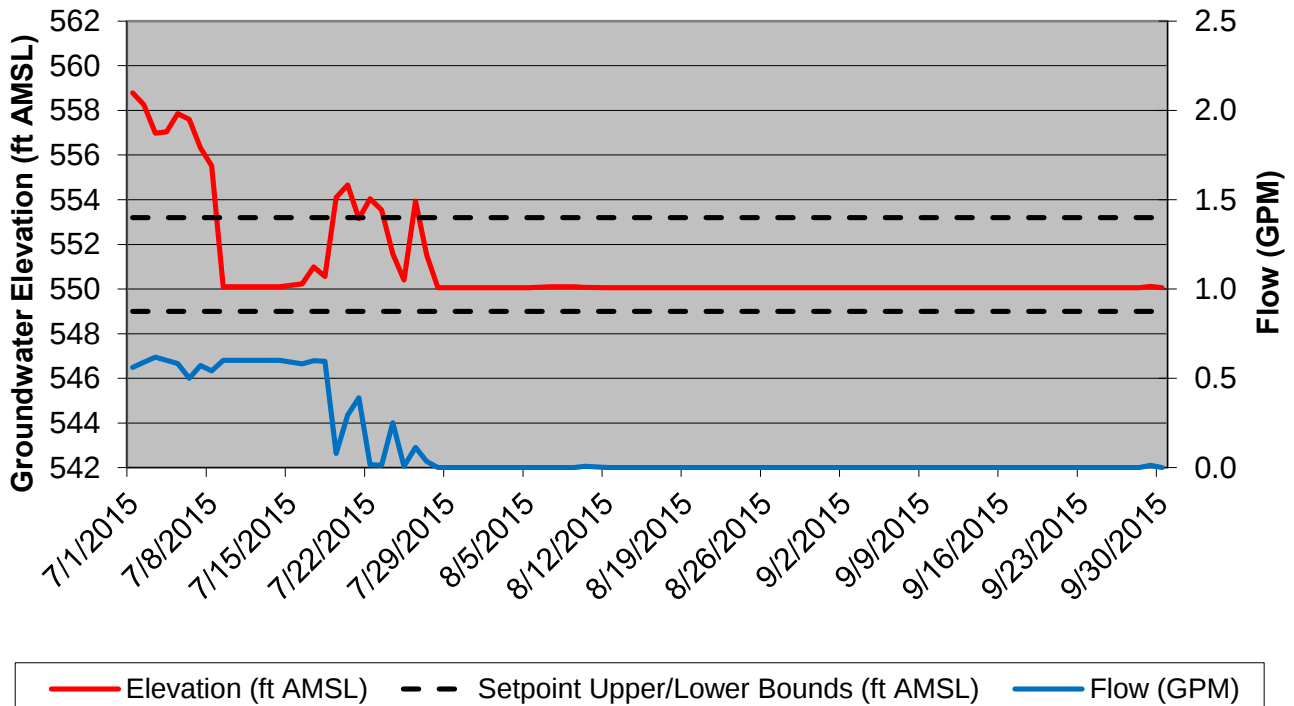


Well PW-8M

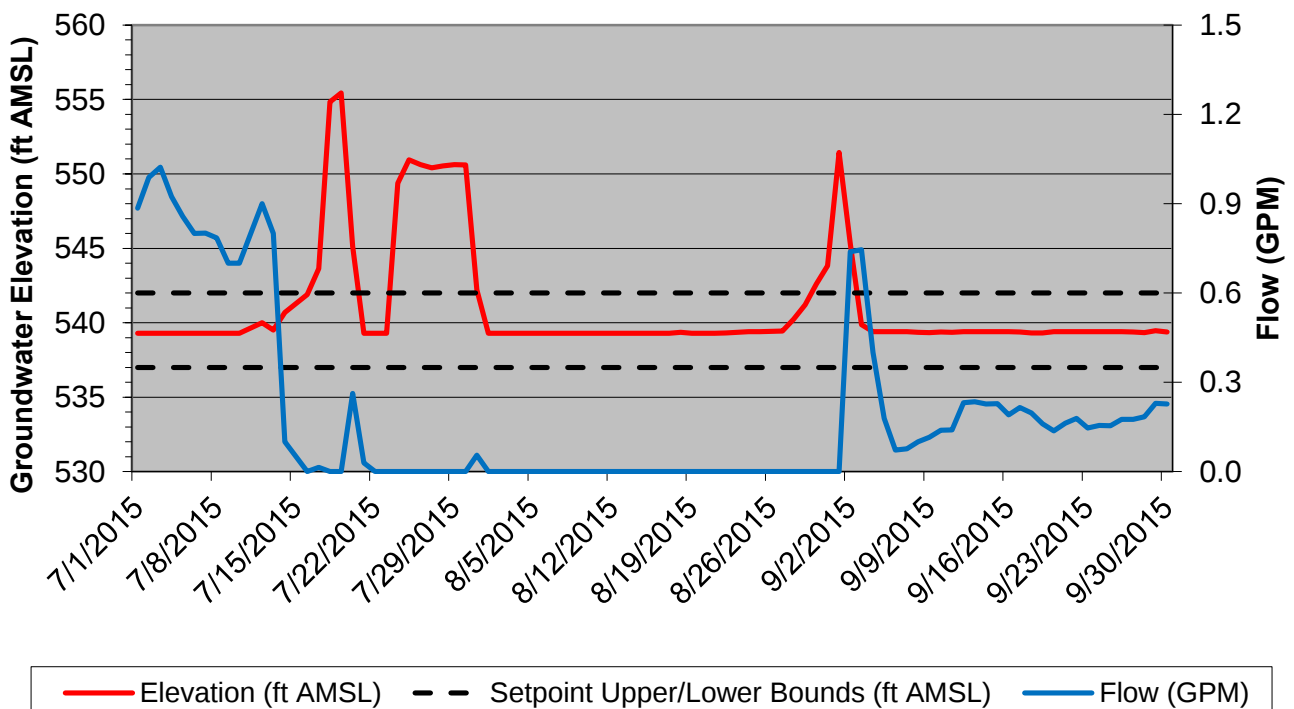


Third Quarter 2015 - Pumping Well Performance Graphs
Hyde Park

Well PW-8U



Well PW-9U



Third Quarter 2015 - Pumping Well Performance Graphs
Hyde Park

