



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

April 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 – First 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 January 1, 2015 through March 31, 2015. A total of 7.6 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 First Quarter 2015:

- Due to the extreme cold temperatures, level transmitters in the treatment system storage tanks and/or decanters froze overnight on multiple occasions even though the transmitters are insulated and heat-traced. As a result, water levels in several wells were above setpoint on the following days:
 - PW-2L, PW-2UR, PW-3L, and PW-5UR on January 8
 - PW-2L, PW-2UR, PW-3L, and PW-5UR on January 27
 - PW-2L, PW-2UR, PW-3L, and PW-5UR on February 13
 - PW-1U, PW-2L, PW-2UR, PW-3L, PW-3M, PW-5UR, PW-6MR, PW-6UR, PW-7U, PW-9U, and PW-10U on February 24

Ways to prevent treatment system level transmitters from freezing will be reviewed.

- The pump in APW-1 experienced a false leak detection alarm due to snowmelt on January 4. The pump was restarted January 5, and water levels returned to within setpoint range by January 8.
- On March 10, water levels in APW-1 went above setpoint range due to runoff from snowmelt. Water levels returned to within setpoint range by March 23; however, additional snowmelt runoff caused the water level to rise above setpoint range on March 26, and the water level returned to within setpoint range by March 27.
- On January 2, a false leak detection alarm in APW-2 caused the pump to shut down. This caused the water level in APW-2 to rise above setpoint range until the alarm was reset and pumping was resumed. The water level was lowered to within setpoint range by January 8.
- On March 10, water levels in APW-2 went above setpoint range due to runoff from snowmelt. The Site operator verified that APW-2 was pumping during the time period in March that the water level was above setpoint range. The water level was lowered to within setpoint range by March 26.
- The water level in PW-1L was above setpoint range on March 3 due to a tripped circuit breaker. The pump worked properly upon reset and the water level returned to within setpoint range by March 4.
- The water level in PW-1U was above setpoint range on March 17 due to warm temperatures causing an excess of snowmelt; there were no problems with the pump, and the water level in PW-1U returned to within setpoint range on March 18.

April 30, 2015

Reference No. 001069

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- The water level in PW-2L was above setpoint range on March 11 due to warm temperatures causing an excess of snowmelt; there were no problems with the pump, and the water level in PW-2L returned to within setpoint range on March 13.
- In early January, the pump in PW-8U exhibited low flows and the water level was above setpoint range from January 4 to January 26. It was suspected that the pump failed due to solids buildup. The pump was pulled and replaced on January 19. The new pump stopped pumping again on January 21. On January 26, the solids were flushed out by reversing the flow in the pump. The water level in PW-8U remained within setpoint range for the remainder of the quarter.
- On March 31, the pump in PW-9U failed and was removed for repairs. These repairs will be discussed in the next quarterly report. It is anticipated that the pump repair will be completed during the week of April 6.

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.



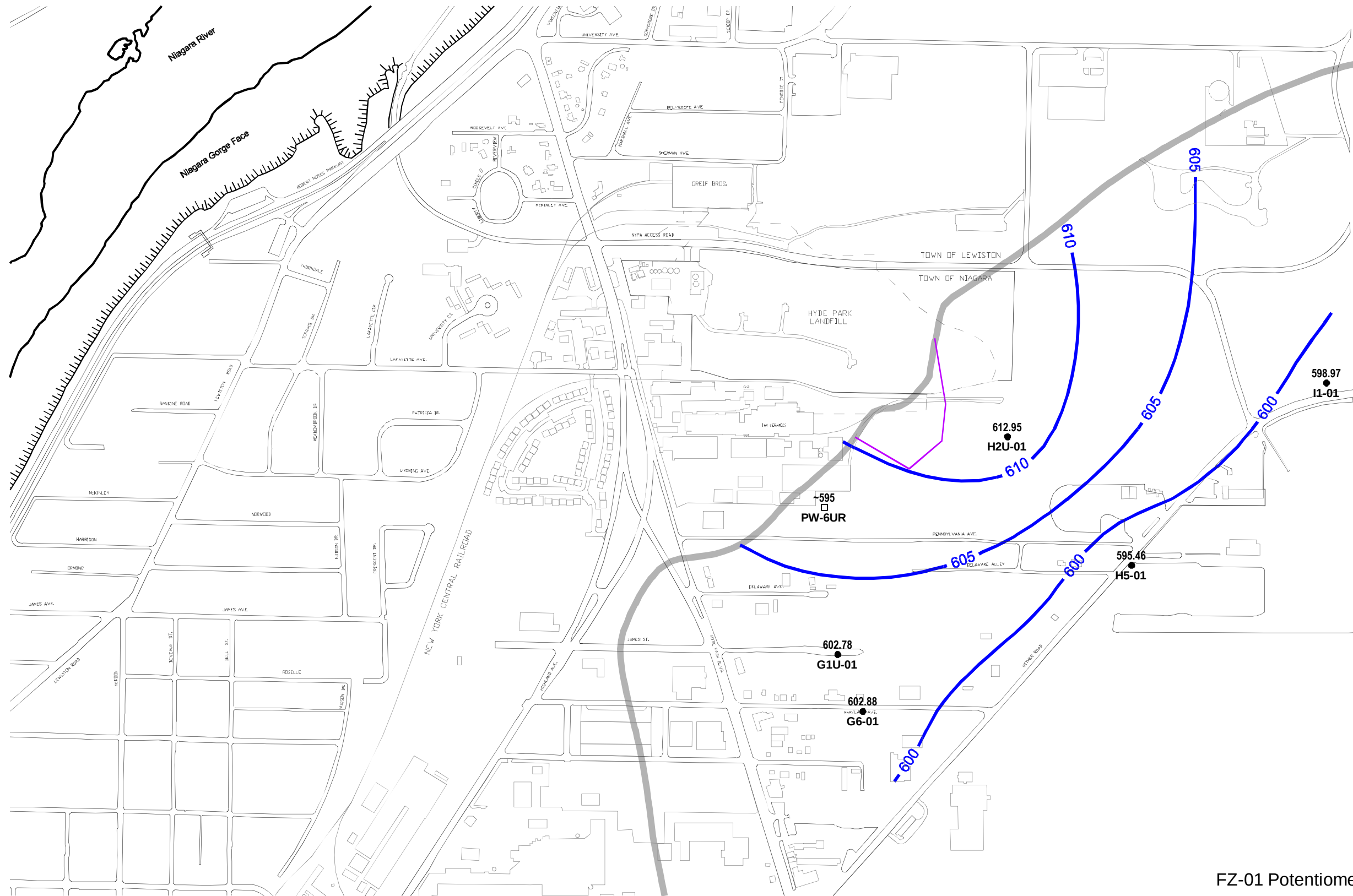
Joe Branch
Site Manager
231-670-6809 Cell

JB/cs/adh/19
Encl.

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

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

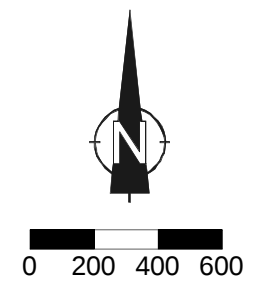
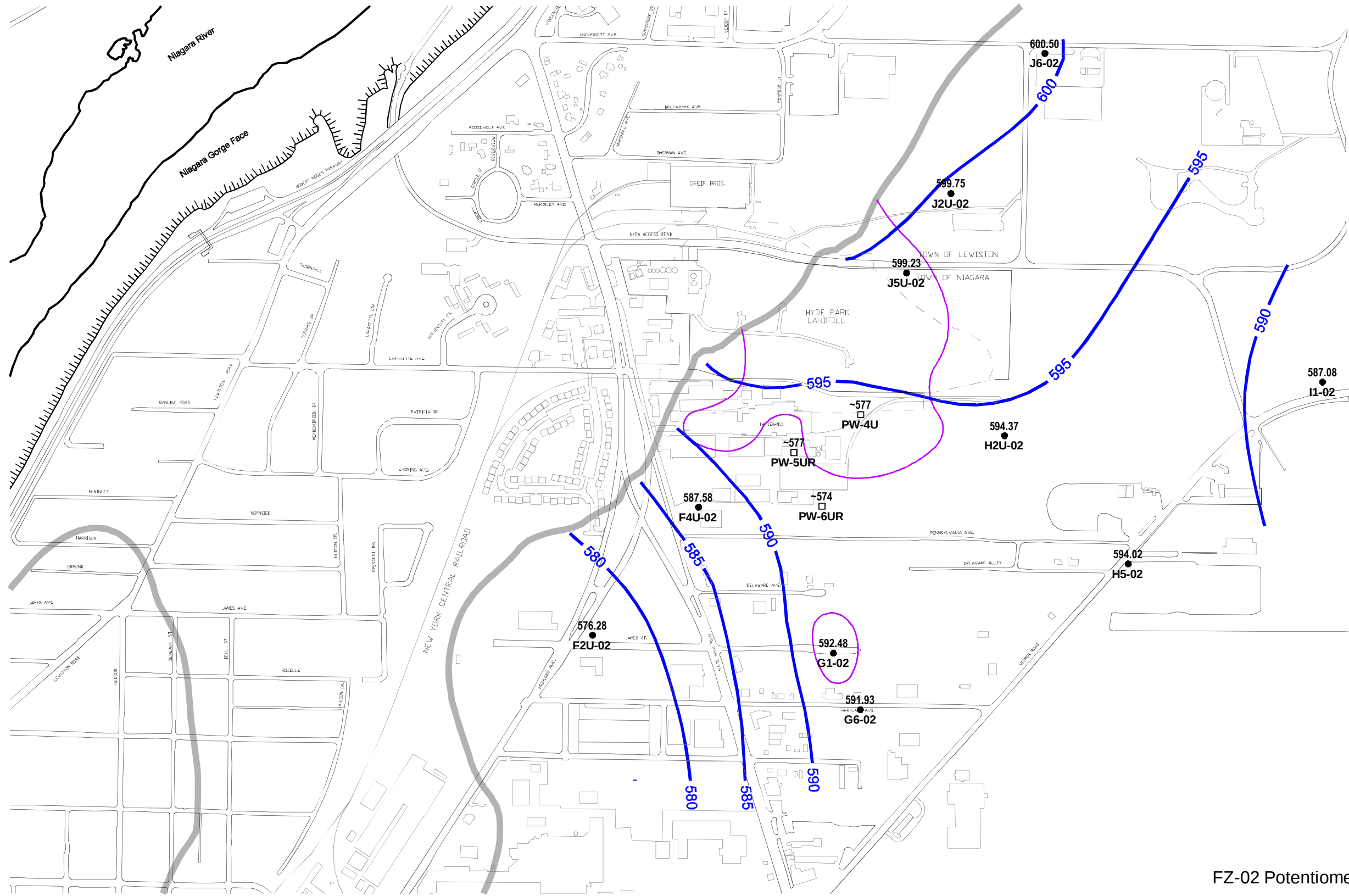


figure 1
 FZ-01 Potentiometric Surface March 2015
 1st Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York



Legend

- Potentiometric Contour (ft AMSL)
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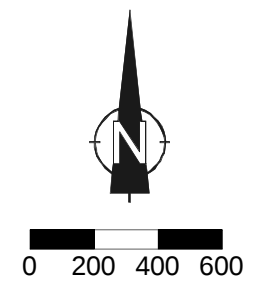
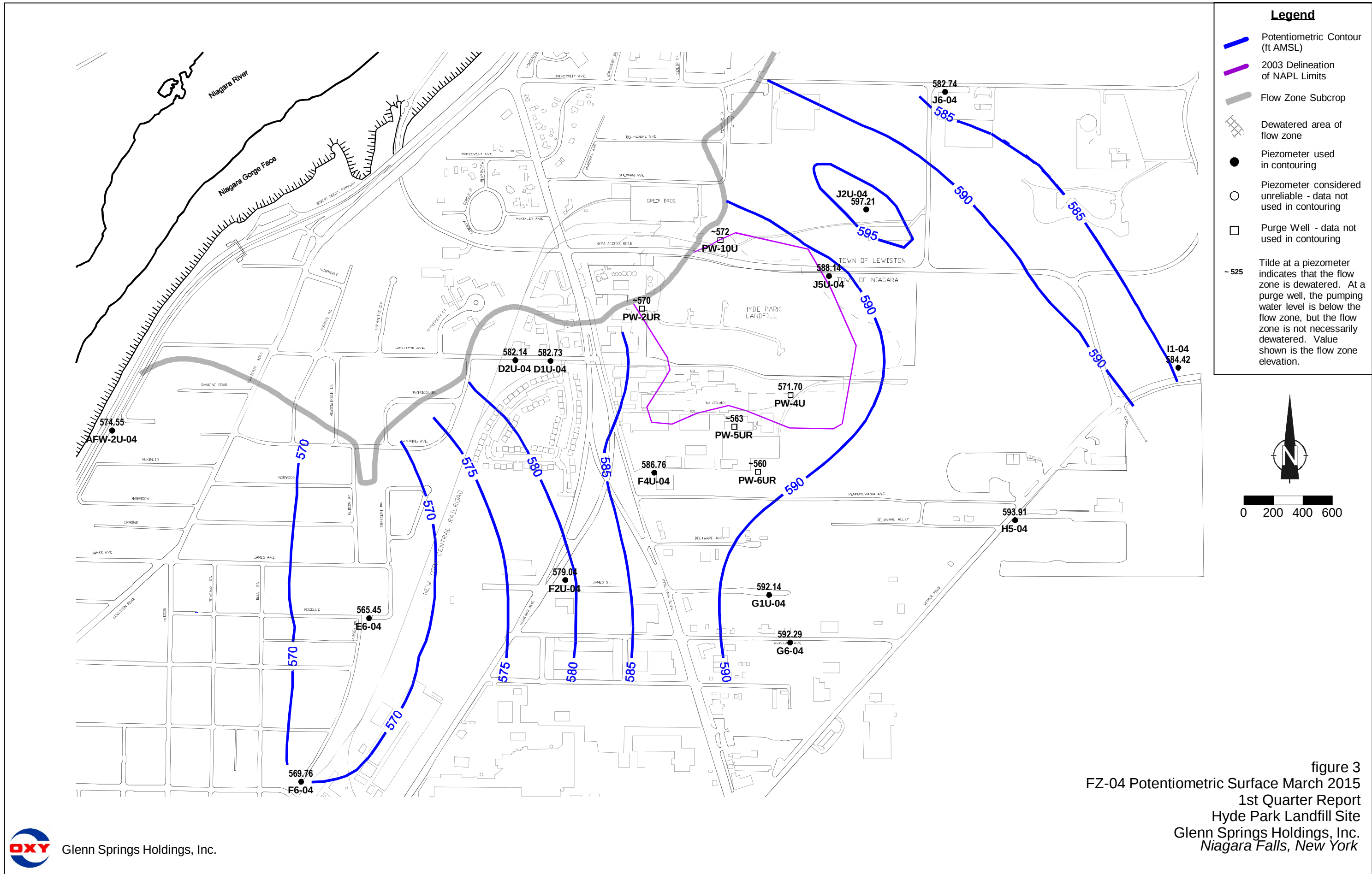
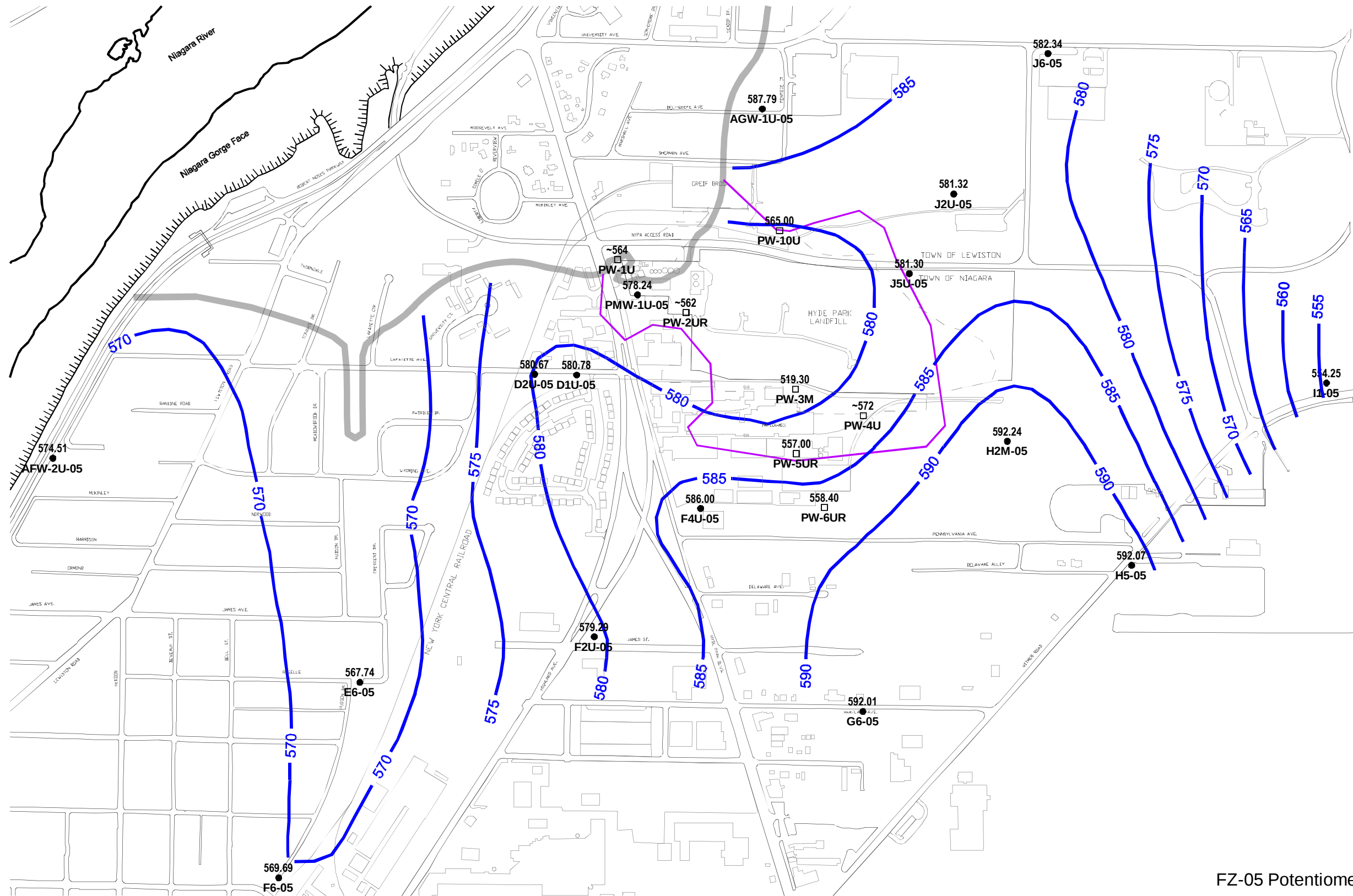


figure 2
 FZ-02 Potentiometric Surface March 2015
 1st Quarter Report
 Hyde Park Landfill Site
 Glenn Springs Holdings, Inc.
 Niagara Falls, New York





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

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.

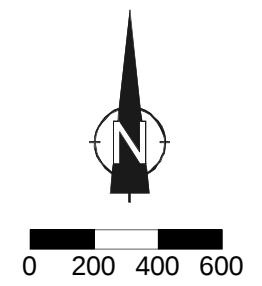
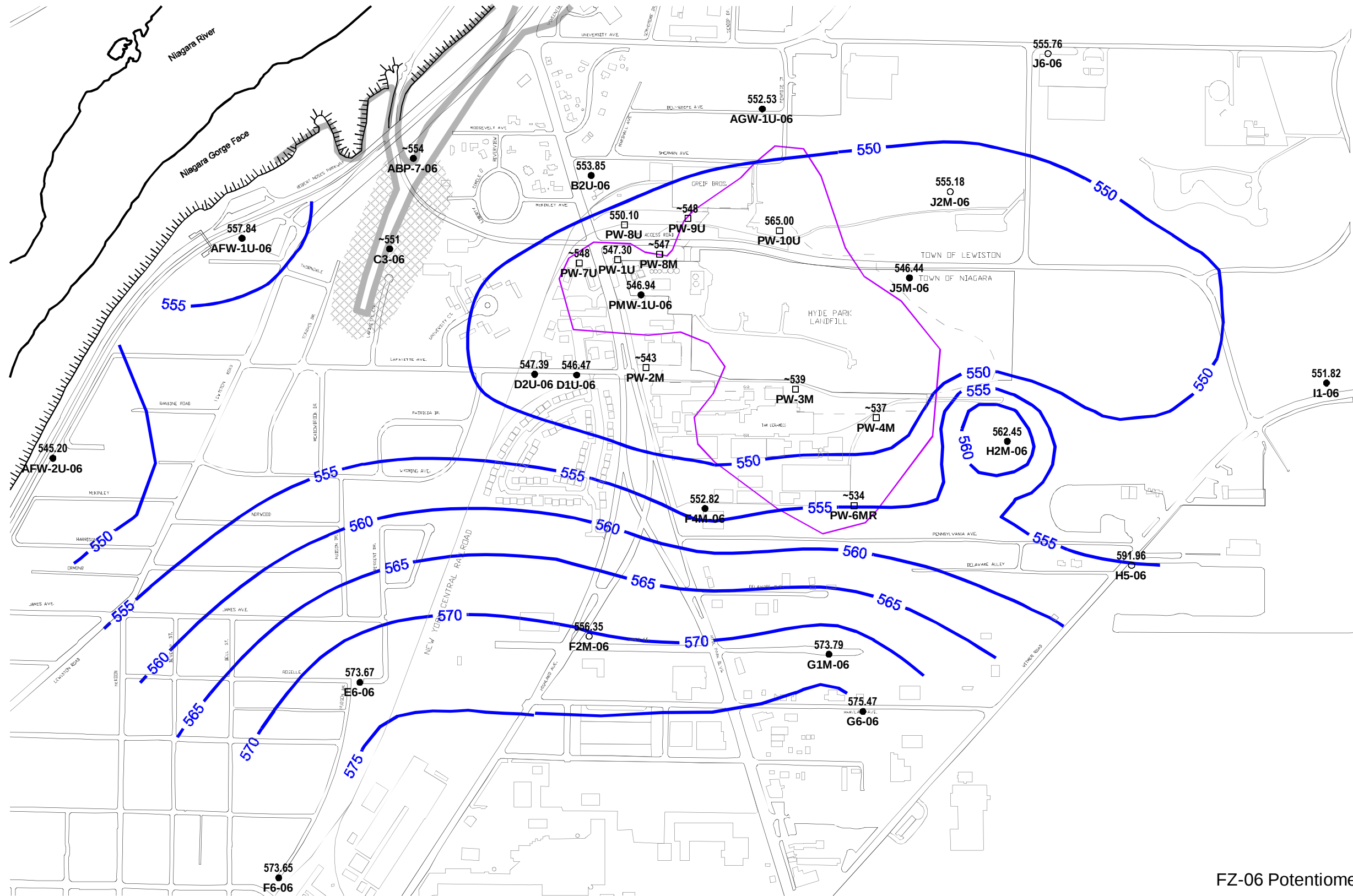


figure 4
 FZ-05 Potentiometric Surface March 2015
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 Hyde Park Landfill Site
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 Niagara Falls, New York



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.

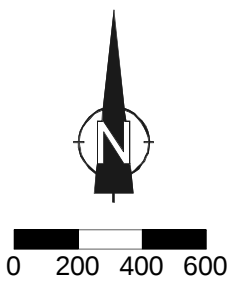
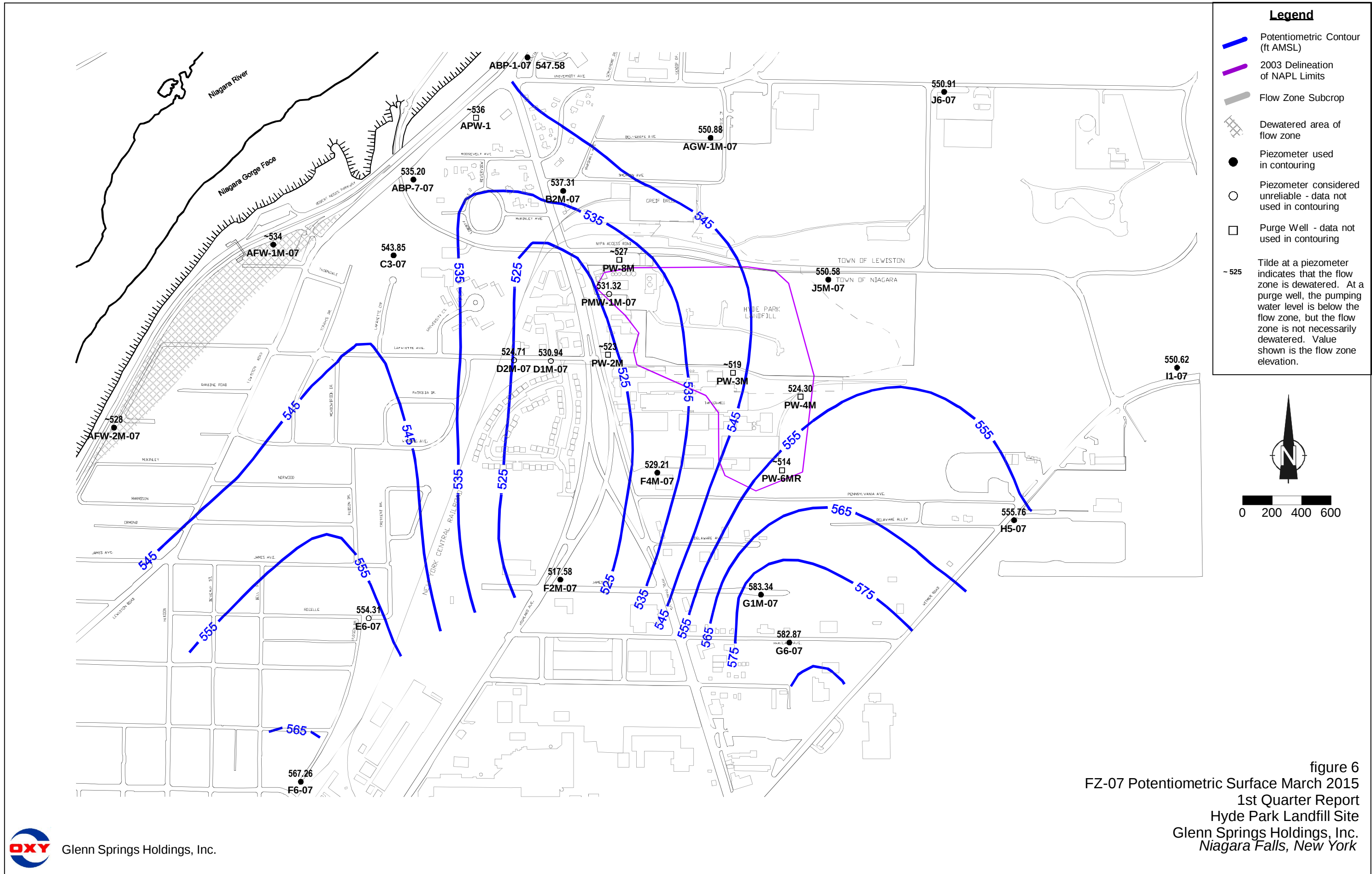


figure 5
FZ-06 Potentiometric Surface March 2015
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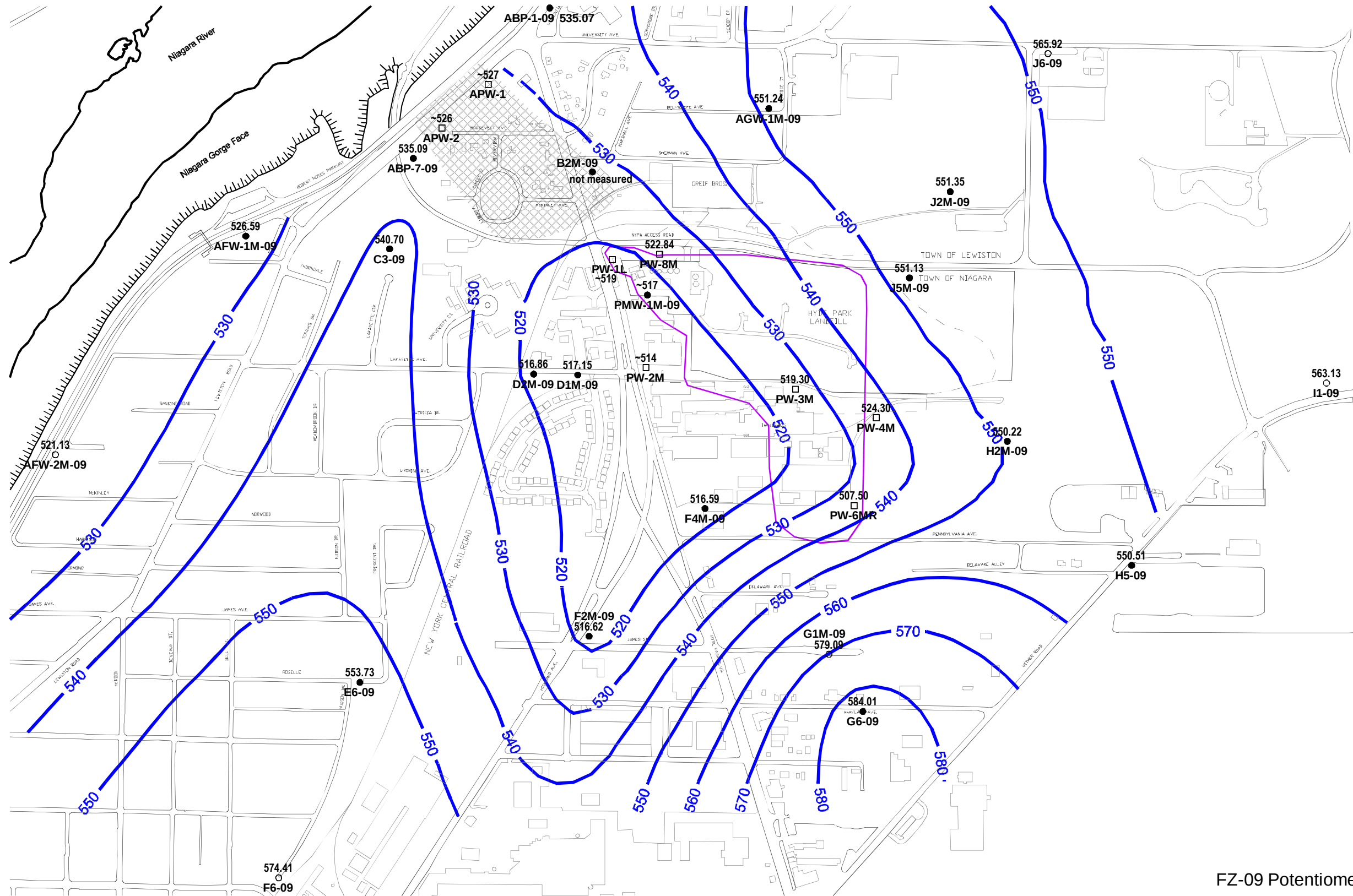
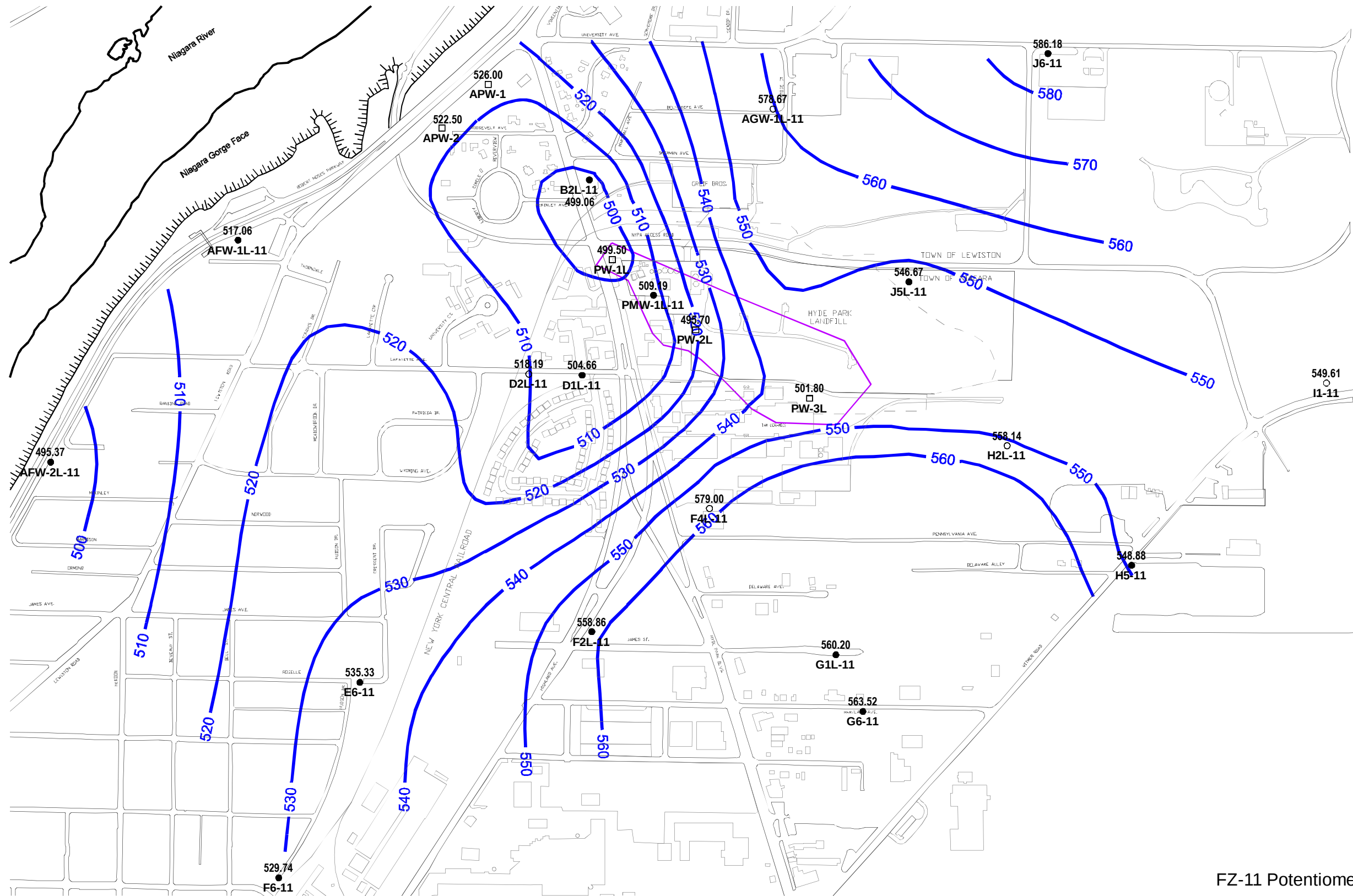


figure 7
 FZ-09 Potentiometric Surface March 2015
 1st Quarter Report
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 Niagara Falls, New York



Legend

- Potentiometric Contour (ft AMSL)
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- 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.

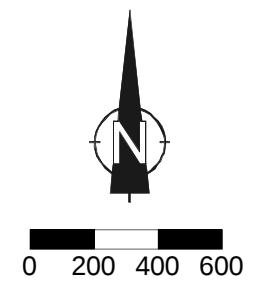


figure 8
 FZ-11 Potentiometric Surface March 2015
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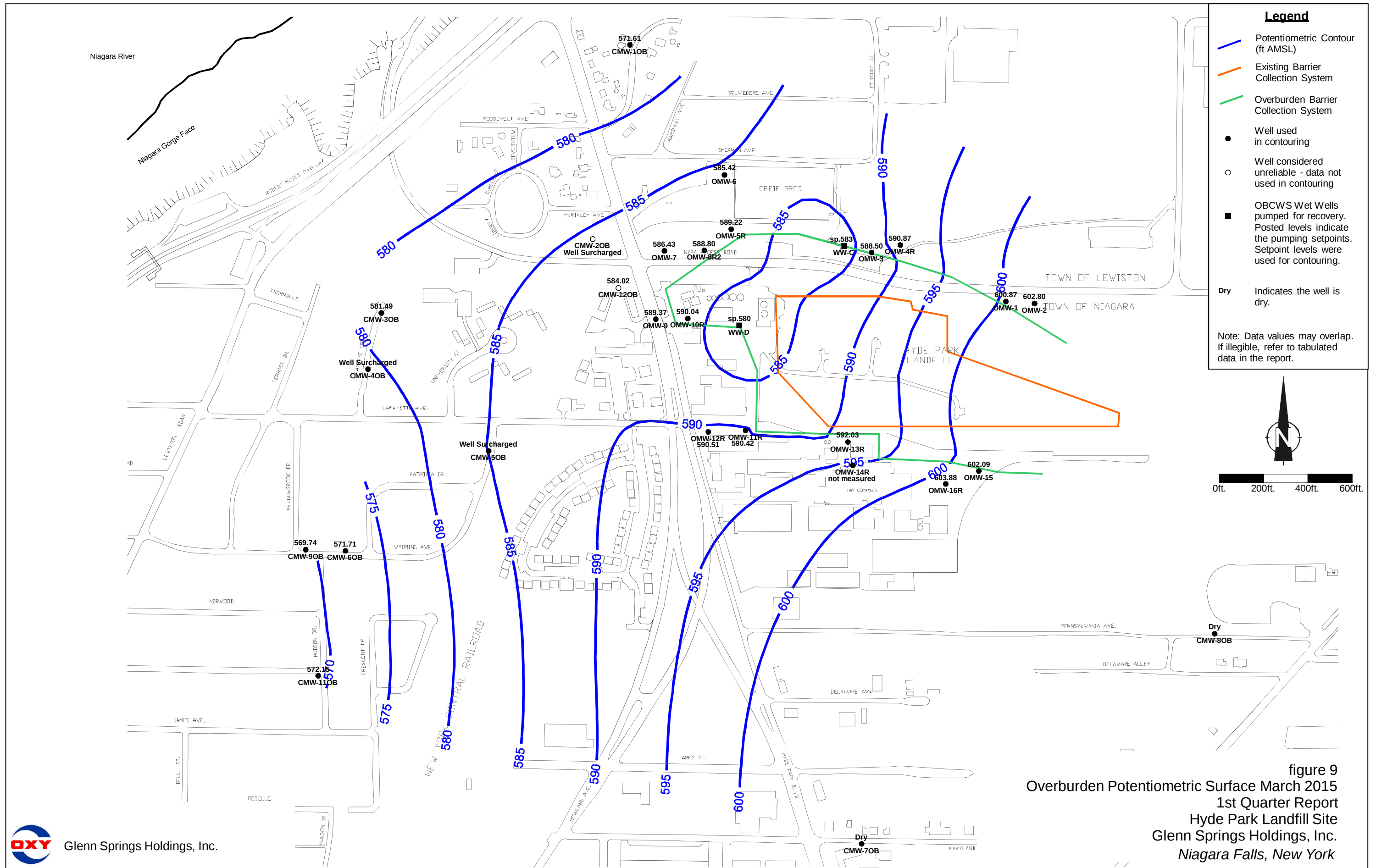


figure 9
Overburden Potentiometric Surface March 2015
1st Quarter Report
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Niagara Falls, New York

PMW-1M-09 1st Quarter 2015 - Hourly Water Level Elevation

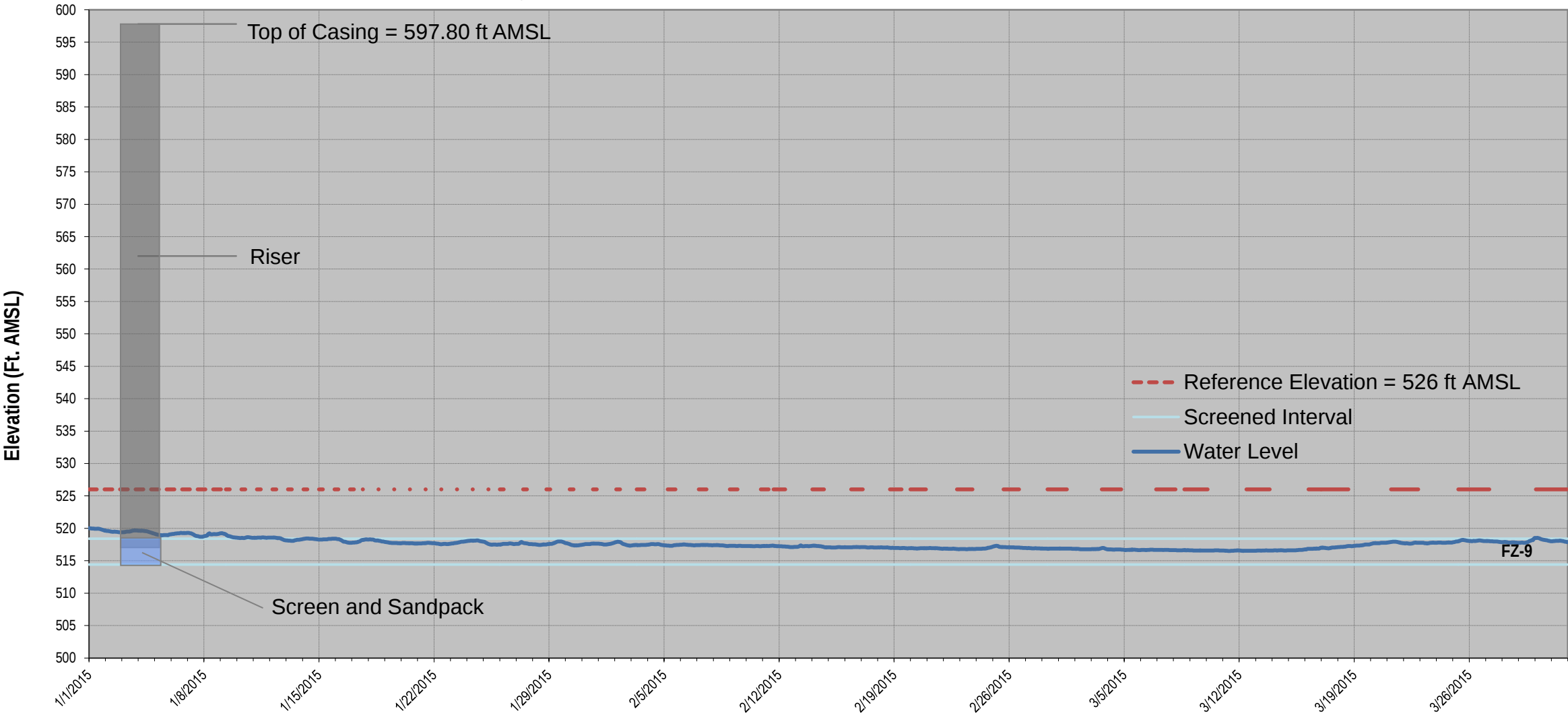


figure 10

**WATER LEVEL ELEVATION SUMMARY
FIRST QUARTER - 2015
HYDE PARK RRT PROGRAM
MARCH 16, 2015**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Overburden			
CMW-2OB	590.79	Surcharged	≥ 590.79
CMW-3OB	582.13	0.64	581.49
CMW-4OB	574.28	Surcharged	≥ 574.28
CMW-5OB	583.43	Surcharged	≥ 583.43
CMW-6OB	571.89	0.18	571.71
CMW-7OB	611.00	Dry	-
CMW-8OB	616.11	Dry	-
CMW-9OB	571.76	2.02	569.74
CMW-10B	576.80	5.19	571.61
CMW-11OB	572.85	0.70	572.15
CMW-12OB	594.74	10.72	584.02
OMW-1	605.28	4.41	600.87
OMW-2	605.99	3.19	602.80
OMW-3	598.63	10.13	588.50
OMW-4R	601.17	10.30	590.87
OMW-5R	591.31	2.09	589.22
OMW-6	587.62	2.20	585.42
OMW-7	592.74	6.31	586.43
OMW-8R2	594.67	5.87	588.80
OMW-9	595.52	6.15	589.37
OMW-10R	595.13	5.09	590.04
OMW-11R	597.52	7.10	590.42
OMW-12R	597.20	6.69	590.51
OMW-13R	601.50	9.47	592.03
OMW-14R	599.64	-	-
OMW-15	607.48	5.39	602.09
OMW-16R	607.62	3.74	603.88
SC-2	625.61	31.81	593.80
SC-3	638.72	40.92	597.80
SC-4	639.35	30.75	608.60
SC-5	634.07	28.37	605.70
SC-6	631.15	52.95	578.20
Shallow Bedrock			
CMW-1SH	576.11	11.41	564.70
CMW-2SH	590.51	17.71	572.80
CMW-3SH	581.91	32.31	549.60
CMW-4SH	574.16	6.22	567.94
CMW-5SH	583.36	Surcharged	≥ 583.36
CMW-6SH	572.05	9.12	562.93
CMW-7SH	610.58	11.15	599.43
CMW-8SH	615.95	6.40	609.55
CMW-9SH	571.96	11.08	560.88
CMW-11SH	573.21	7.97	565.24
CMW-12SH	597.02	26.56	570.46

**WATER LEVEL ELEVATION SUMMARY
FIRST QUARTER - 2015
HYDE PARK RRT PROGRAM
MARCH 16, 2015**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Flow Zone 1			
G1U-01	617.08	14.30	602.78
G6-01	609.24	6.36	602.88
H2U-01	620.92	7.97	612.95
H5-01	617.61	22.15	595.46
I1-01	625.58	26.61	598.97
Flow Zone 2			
F2U-02	599.89	23.61	576.28
F4U-02	602.32	14.74	587.58
G1-02	616.86	24.38	592.48
G6-02	608.65	16.72	591.93
H2U-02	620.88	26.51	594.37
H5-02	617.47	23.45	594.02
I1-02	625.47	38.39	587.08
J2U-02	609.66	9.91	599.75
J5U-02	606.21	6.98	599.23
J6-02	609.23	8.73	600.50
Flow Zone 4			
AFW-2U-04	593.48	18.93	574.55
D1U-04	593.77	11.04	582.73
D2U-04	590.65	8.51	582.14
E6-04	578.23	12.78	565.45
F2U-04	599.76	20.72	579.04
F4U-04	602.19	15.43	586.76
F6-04	588.06	18.30	569.76
G1U-04	616.96	24.82	592.14
G6-04	609.15	16.86	592.29
H5-04	617.40	23.49	593.91
I1-04	625.30	40.88	584.42
J2U-04	609.42	12.21	597.21
J5U-04	606.05	17.91	588.14
J6-04	609.12	26.38	582.74
Flow Zone 5			
AFW-2U-05	593.33	18.82	574.51
AGW-1U-05	591.80	4.01	587.79
D1U-05	593.51	12.73	580.78
D2U-05	590.56	9.89	580.67
E6-05	578.04	10.30	567.74
F2U-05	599.64	20.35	579.29
F4U-05	602.06	16.06	586.00
F6-05	587.85	18.16	569.69
G6-05	609.13	17.12	592.01
H2M-05	621.59	29.35	592.24
H5-05	617.31	25.24	592.07

**WATER LEVEL ELEVATION SUMMARY
FIRST QUARTER - 2015
HYDE PARK RRT PROGRAM
MARCH 16, 2015**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Flow Zone 5-Continued			
I1-05	625.25	71.00	554.25
J2U-05	609.30	27.98	581.32
J5U-05	605.87	24.57	581.30
J6-05	609.02	26.68	582.34
PMW-1U-05	598.00	19.76	578.24
Flow Zone 6			
ABP-7-06	575.78	Dry	-
AFW-1U-06	571.83	13.99	557.84
AFW-2U-06	593.22	48.02	545.20
AGW-1U-06	591.66	39.13	552.53
B2U-06	589.29	35.44	553.85
C3-06	585.78	Dry	-
D1U-06	593.25	46.78	546.47
D2U-06	590.38	42.99	547.39
E6-06	577.99	4.32	573.67
F2M-06	599.06	42.71	556.35
F4M-06	602.05	49.23	552.82
F6-06	587.84	14.19	573.65
G1M-06	616.75	42.96	573.79
G6-06	609.09	33.62	575.47
H2M-06	621.42	58.97	562.45
H5-06	617.17	25.21	591.96
I1-06	625.15	73.33	551.82
J2M-06	608.94	53.76	555.18
J5M-06	606.22	59.78	546.44
J6-06	608.93	53.17	555.76
PMW-1U-06	597.92	50.98	546.94
Flow Zone 7			
ABP-1-07	576.44	28.86	547.58
ABP-7-07	575.73	40.53	535.20
AFW-1M-07	571.41	Dry	-
AFW-2M-07	593.44	66.83	526.61
AGW-1M-07	592.91	42.03	550.88
B2M-07	589.52	52.21	537.31
C3-07	585.62	41.77	543.85
D1M-07	594.15	63.21	530.94
D2M-07	590.77	66.06	524.71
E6-07	577.91	23.60	554.31
F2M-07	598.91	81.33	517.58
F4M-07	601.91	72.70	529.21
F6-07	587.68	20.42	567.26
G1M-07	616.68	33.34	583.34
G6-07	609.06	26.19	582.87
H5-07	617.05	61.29	555.76

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MARCH 16, 2015**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Flow Zone 7-Continued			
I1-07	625.14	74.52	550.62
J5M-07	606.07	55.49	550.58
J6-07	608.85	57.94	550.91
PMW-1M-07	598.50	67.18	531.32
Flow Zone 9			
ABP-1-09	575.49	40.42	535.07
ABP-7-09	575.67	40.58	535.09
AFW-1M-09	571.12	44.53	526.59
AFW-2M-09	593.32	72.19	521.13
AGW-1M-09	592.75	41.51	551.24
B2M-09	589.34	-	-
C3-09	585.00	44.30	540.70
D1M-09	594.02	76.87	517.15
D2M-09	590.66	73.80	516.86
E6-09	577.82	24.09	553.73
F2M-09	598.71	82.09	516.62
F4M-09	601.79	85.20	516.59
F6-09	587.53	13.12	574.41
G1M-09	616.58	37.49	579.09
G6-09	608.98	24.97	584.01
H2M-09	621.32	71.10	550.22
H5-09	616.93	66.42	550.51
I1-09	624.91	61.78	563.13
J2M-09	608.77	57.42	551.35
J5M-09	605.82	54.69	551.13
J6-09	608.76	42.84	565.92
PMW-1M-09	598.34	81.51	516.83
Flow Zone 11			
AFW-1L-11	572.10	55.04	517.06
AFW-2L-11	593.43	98.06	495.37
AGW-1L-11	592.71	14.04	578.67
B2L-11	589.65	90.59	499.06
D1L-11	593.80	89.14	504.66
D2L-11	590.21	72.02	518.19
E6-11	577.72	42.39	535.33
F2L-11	598.94	40.08	558.86
F4L-11	602.22	23.22	579.00
F6-11	587.40	57.66	529.74
G1L-11	616.84	56.64	560.20
G6-11	608.89	45.37	563.52
H2L-11	620.73	62.59	558.14
H5-11	616.81	67.93	548.88
I1-11	624.75	75.14	549.61
J5L-11	607.20	60.53	546.67

**WATER LEVEL ELEVATION SUMMARY
FIRST QUARTER - 2015
HYDE PARK RRT PROGRAM
MARCH 16, 2015**

<i>Well</i>	<i>Reference Elevation (ft AMSL)</i>	<i>Depth to Water (ft)</i>	<i>Water Level Elevation (ft AMSL)</i>
Flow Zone 11-Continued			
J6-11	608.68	22.50	586.18
PMW-1L-11	598.84	89.65	509.19
Purge Wells			
APW-1	564.98	38.98	526.00
APW-2	569.89	47.39	522.50
PW-1L	593.16	93.66	499.50
PW-1U	593.16	45.86	547.30
PW-2L	597.29	101.59	495.70
PW-2M	596.61	84.61	512.00
PW-2UR	594.75	36.15	558.60
PW-3L	599.05	97.25	501.80
PW-3M	597.79	78.49	519.30
PW-4M	606.93	82.63	524.30
PW-4U	604.85	33.15	571.70
PW-5UR	601.31	44.31	557.00
PW-6UMR	609.31	101.81	507.50
PW-6UR	608.47	50.07	558.40
PW-7U	592.47	48.87	543.60
PW-8M	592.67	69.83	522.84
PW-8U	589.27	39.17	550.10
PW-9U	587.47	48.07	539.40
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
-	Not available/not applicable

LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
FIRST QUARTER - 2015
HYDE PARK RRT PROGRAM

<i>Date</i>	<i>Phenol (mg/L)</i>	<i>pH (su)</i>	<i>Effluent</i>	<i>Comments</i>
			<i>Flow (gal)</i>	
01/01/15	-	-	0	
01/02/15	-	7.1	106,000	
01/03/15	-	-	0	
01/04/15	-	7.1	132,000	
01/05/15	-	7.0	134,000	
01/06/15	-	7.0	130,000	
01/07/15	0.023	7.0	193,000	
01/08/15	-	7.0	135,000	
01/09/15	-	7.1	187,000	
01/10/15	-	7.0	175,000	
01/11/15	-	-	0	
01/12/15	-	7.0	144,000	
01/13/15	-	7.0	121,000	
01/14/15	0.012	7.0	83,000	
01/15/15	-	7.0	50,000	
01/16/15	-	7.0	70,000	
01/17/15	-	-	0	
01/18/15	-	-	0	
01/19/15	-	7.0	103,000	
01/20/15	-	7.0	76,000	
01/21/15	0.010 U	7.0	122,000	
01/22/15	-	7.0	83,000	
01/23/15	-	-	0	
01/24/15	-	-	0	
01/25/15	-	-	0	
01/26/15	-	7.0	141,000	
01/27/15	-	7.0	139,000	
01/28/15	0.010 U	7.0	92,000	
01/29/15	-	7.0	39,000	
01/30/15	-	-	0	
01/31/15	-	-	0	

LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
FIRST QUARTER - 2015
HYDE PARK RRT PROGRAM

<i>Date</i>	<i>Phenol (mg/L)</i>	<i>pH (su)</i>	<i>Effluent</i>	<i>Comments</i>
			<i>Flow (gal)</i>	
02/01/15	-	-	0	
02/02/15	-	6.9	129,000	
02/03/15	-	7.0	137,000	
02/04/15	0.010 U	7.0	43,000	
02/05/15	-	7.0	55,000	
02/06/15	-	-	0	
02/07/15	-	-	0	
02/08/15	-	-	0	
02/09/15	-	7.0	130,000	
02/10/15	-	7.0	120,000	
02/11/15	0.010 U	7.0	0	
02/12/15	-	7.0	61,000	
02/13/15	-	7.0	83,000	
02/14/15	-	-	0	
02/15/15	-	-	0	
02/16/15	-	-	0	
02/17/15	-	7.0	140,000	
02/18/15	0.010 U	7.0	85,000	
02/19/15	-	7.0	61,000	
02/20/15	-	7.0	50,000	
02/21/15	-	-	0	
02/22/15	-	-	0	
02/23/15	-	7.0	130,000	
02/24/15	-	7.0	65,000	
02/25/15	0.010 U	-	0	
02/26/15	-	7.0	51,000	
02/27/15	-	-	0	
02/28/15	-	-	0	

LEACHATE TREATMENT SYSTEM DAILY EFFLUENT MONITORING DATA
FIRST QUARTER - 2015
HYDE PARK RRT PROGRAM

<i>Date</i>	<i>Phenol (mg/L)</i>	<i>pH (su)</i>	<i>Effluent</i>	<i>Comments</i>
			<i>Flow (gal)</i>	
03/01/15	-	-	0	
03/02/15	-	7.0	140,000	
03/03/15	-	-	0	
03/04/15	0.010 U	7.0	110,000	
03/05/15	-	7.0	63,000	
03/06/15	-	-	0	
03/07/15	-	-	0	
03/08/15	-	-	0	
03/09/15	-	7.0	141,000	
03/10/15	-	-	0	
03/11/15	0.010 U	7.0	124,000	
03/12/15	-	7.0	137,000	
03/13/15	-	7.1	122,000	
03/14/15	-	-	0	
03/15/15	-	7.0	372,000	
03/16/15	-	7.0	111,000	
03/17/15	-	7.0	125,000	
03/18/15	0.010 U	7.0	153,000	
03/19/15	-	7.0	392,000	
03/20/15	-	-	0	
03/21/15	-	-	0	
03/22/15	-	7.0	408,000	
03/23/15	-	7.2	65,000	
03/24/15	0.010 U	7.0	140,000	
03/25/15	-	7.0	141,000	
03/26/15	-	7.0	146,000	
03/27/15	-	7.1	225,000	
03/28/15	-	-	0	
03/29/15	-	7.0	151,000	
03/30/15	-	7.0	138,000	
03/31/15	-	7.0	367,000	

Notes:

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

ANALYTICAL RESULTS SUMMARY
WEEKLY SAMPLING - LEACHATE TREATMENT SYSTEM
FIRST QUARTER - 2015
HYDE PARK RRT PROGRAM

Effluent

<i>Parameter</i>	<i>Units</i>	<u>01/07/15</u>	<u>01/14/15</u>	<u>01/21/15</u>	<u>01/28/15</u>	<u>02/04/15</u>	<u>02/11/15</u>	<u>02/18/15</u>	<u>02/25/15</u>
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	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
1,3-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	0.44 J	1.0 U	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
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	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
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	0.29 J	0.45 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	280	290	0.35 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
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

ANALYTICAL RESULTS SUMMARY
WEEKLY SAMPLING - LEACHATE TREATMENT SYSTEM
FIRST QUARTER - 2015
HYDE PARK RRT PROGRAM

Effluent

<i>Parameter</i>	<i>Units</i>	<u>03/04/15</u>	<u>03/11/15</u>	<u>03/18/15</u>	<u>03/24/15</u>
Volatiles					
1,1,1-Trichloroethane	µg/L	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
1,1,2-Trichloroethane	µg/L	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
1,1-Dichloroethene	µg/L	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
1,2-Dichlorobenzene	µg/L	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
1,2-Dichloropropane	µg/L	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
1,4-Dichlorobenzene	µg/L	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
3-Chlorotoluene	µg/L	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
Benzene	µg/L	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
Bromoform	µg/L	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
Carbon disulfide	µg/L	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
Chlorobenzene	µg/L	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
Chloroform (Trichloromethane)	µg/L	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
cis-1,2-Dichloroethene	µg/L	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
Dichlorodifluoromethane (CFC-12)	µg/L	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
Methylene chloride	µg/L	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
o-Monochlorobenzotrifluoride	µg/L	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
Styrene	µg/L	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
Toluene	µg/L	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
trans-1,3-Dichloropropene	µg/L	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
Trichlorofluoromethane (CFC-11)	µg/L	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
Vinyl chloride	µg/L	0.23 J	1.0 U	0.44 J	2.9
Xylenes (total)	µg/L	3.0 U	3.0 U	3.0 U	3.0 U

Notes:

J Estimated at associated value
 U Non-detect at associated value
 µg/L Microgram per liter

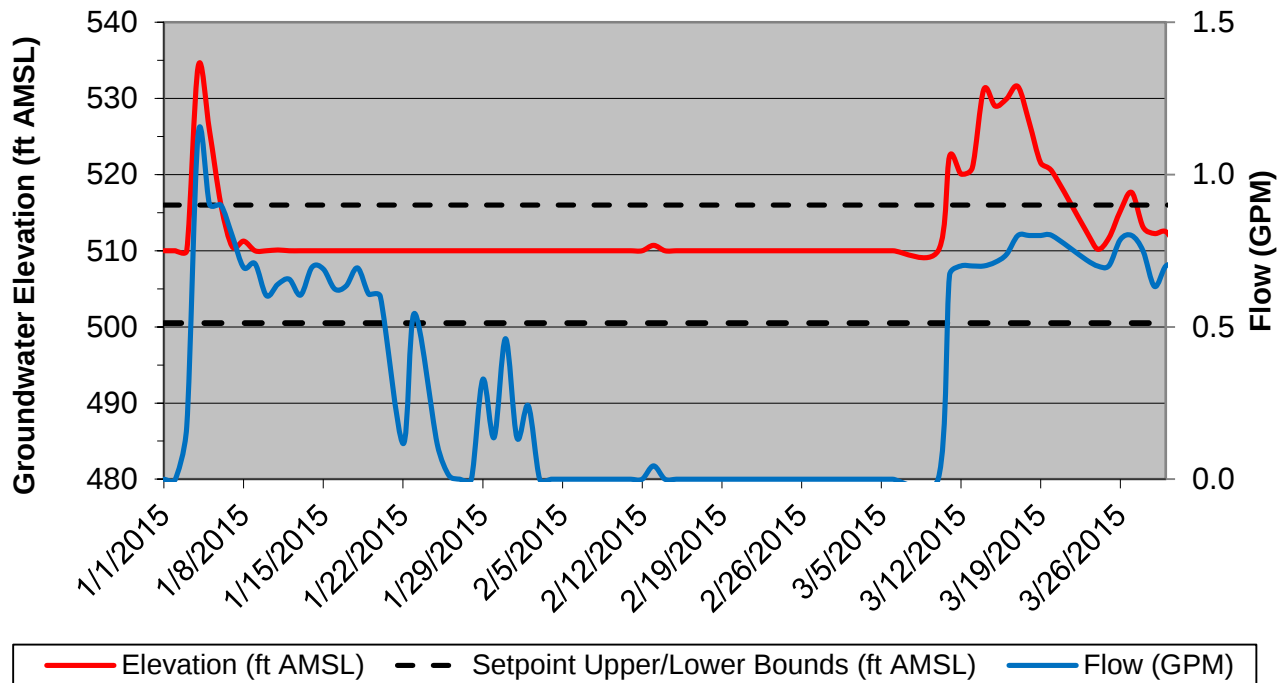
**ANALYTICAL RESULTS SUMMARY
QUARTERLY SAMPLING - LEACHATE TREATMENT SYSTEM
FIRST QUARTER - 2015
HYDE PARK RRT PROGRAM**

<i>Sample Location:</i>		<i>EFFLUENT</i>	<i>EFFLUENT</i>
<i>Sample ID:</i>		<i>HP32515 EFF</i>	<i>HP32515 EFF ABCD</i>
<i>Sample Date:</i>		<i>3/25/2015</i>	<i>3/25/2015</i>
<i>Parameters</i>	<i>Units</i>		
<i>Volatile Organic Compounds</i>			
Vinyl chloride	µg/L	-	4.2
<i>General Chemistry</i>			
Phosphorus	mg/L	0.13	-

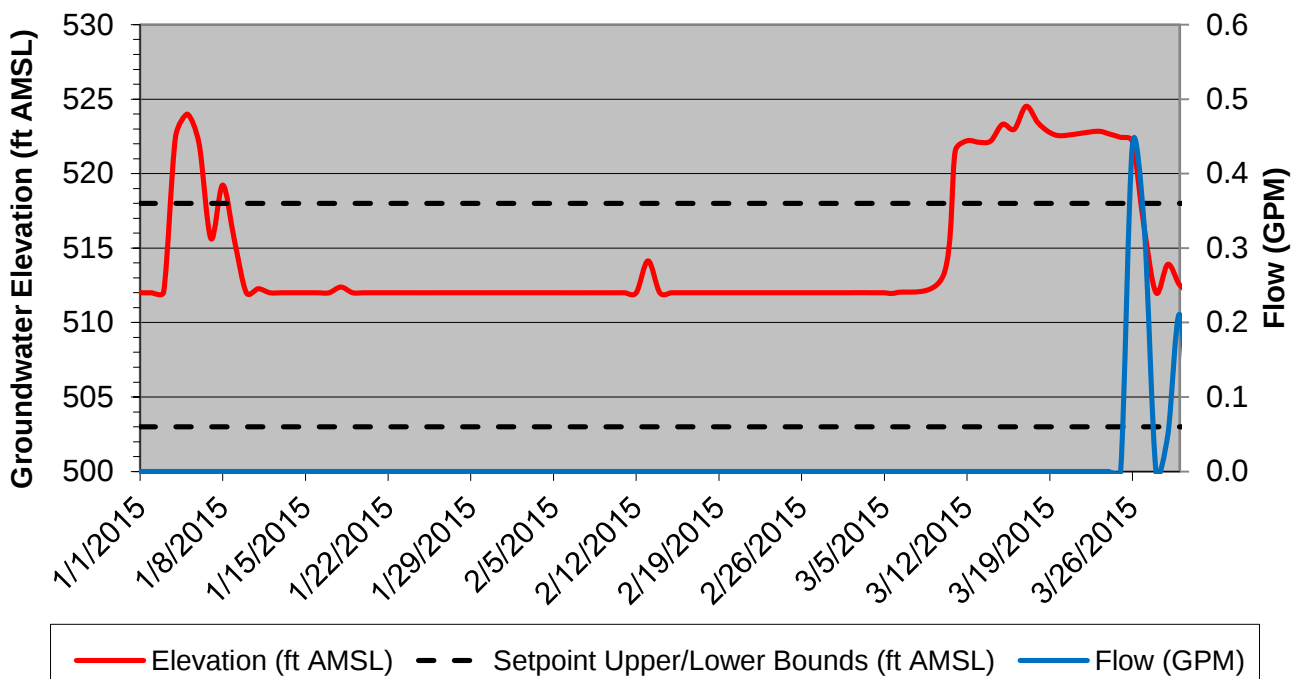
Attachment A

FIRST QUARTER 2015 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well APW-1

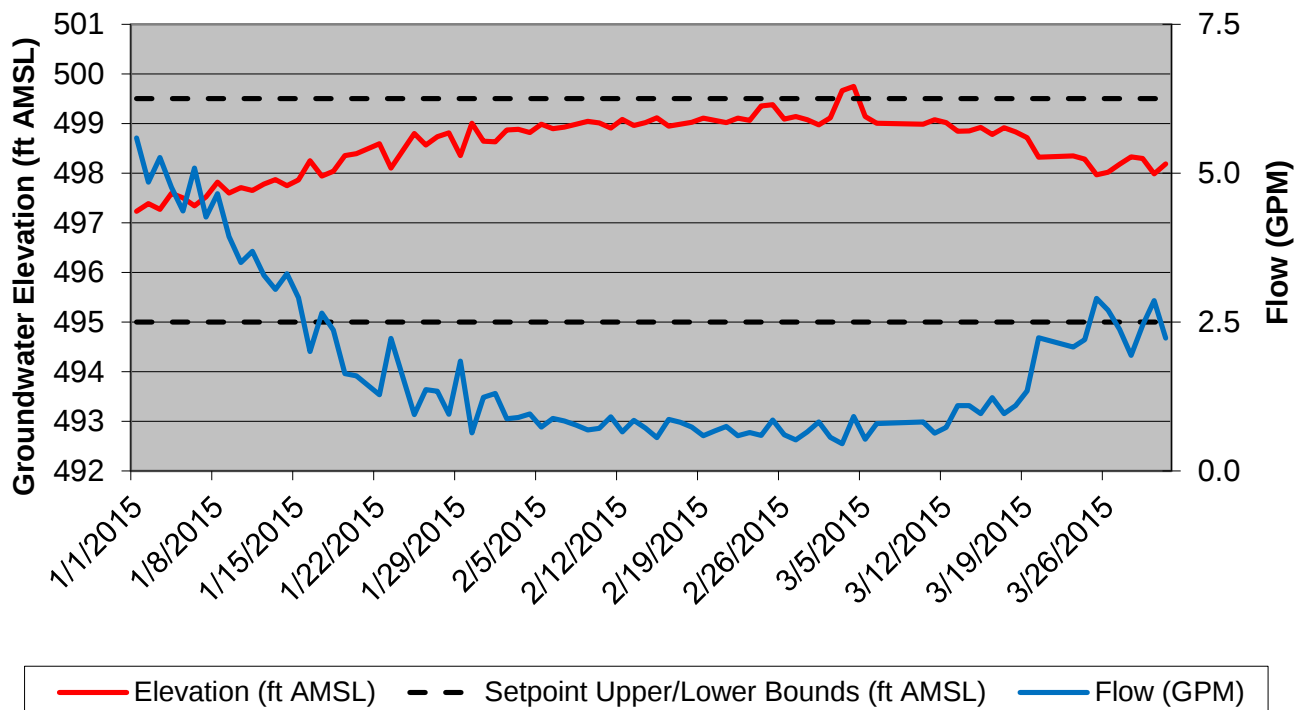


Well APW-2

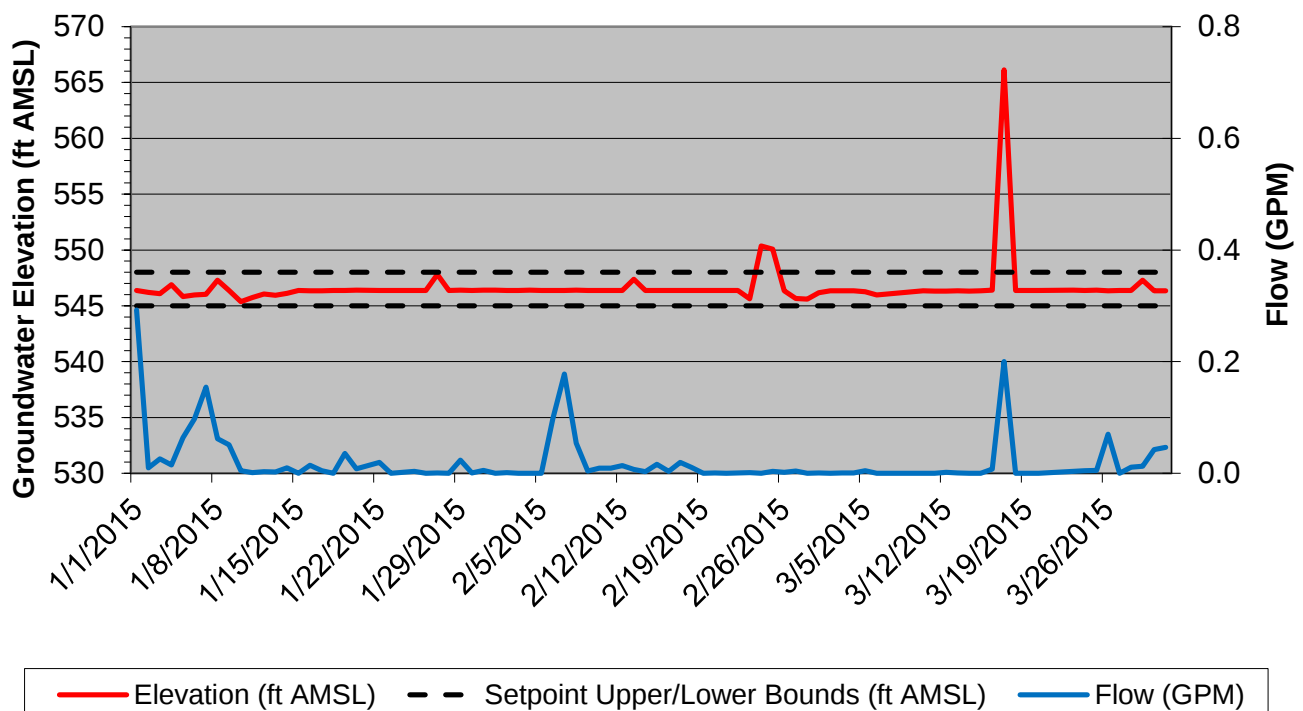


FIRST QUARTER 2015 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-1L

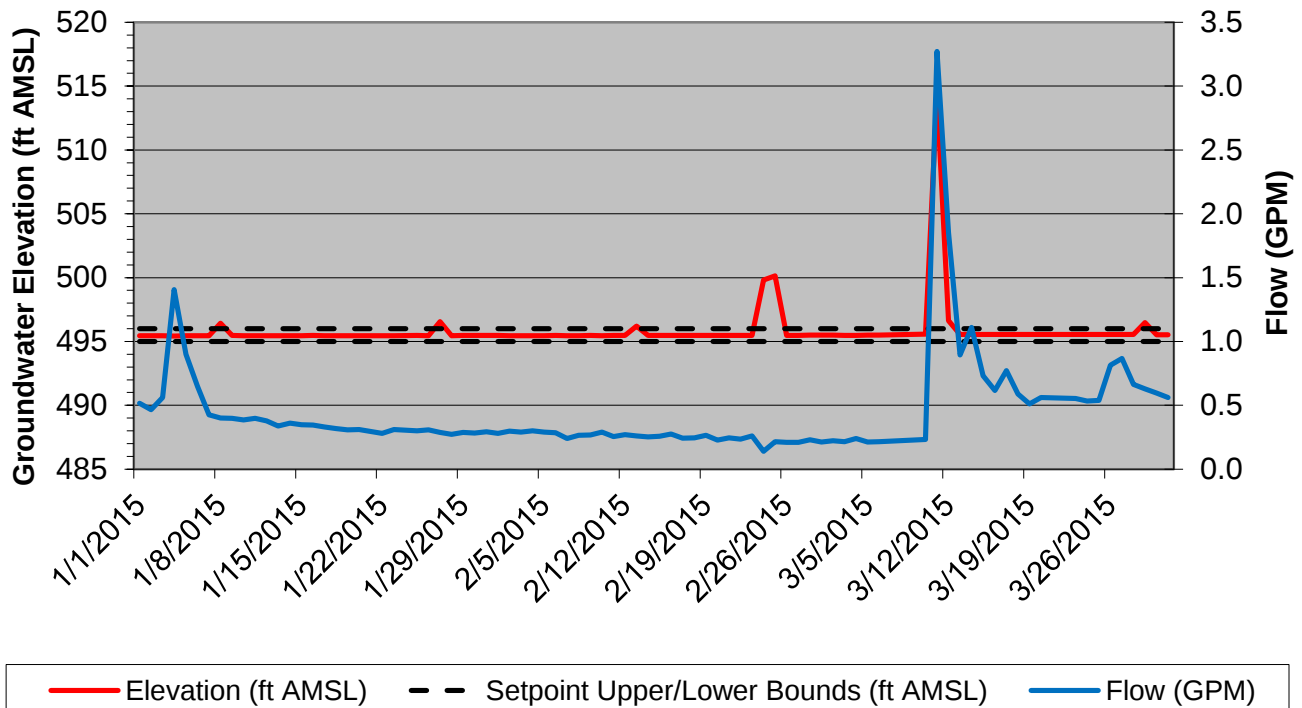


Well PW-1U

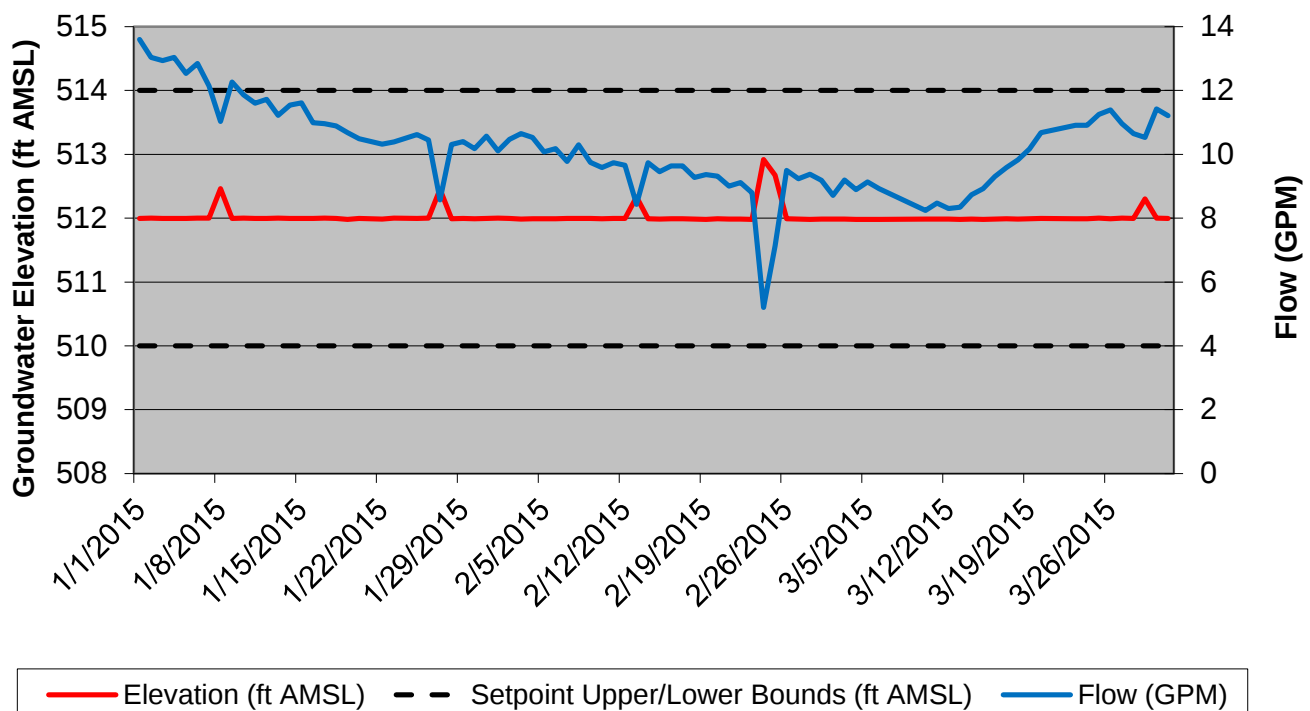


FIRST QUARTER 2015 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-2L

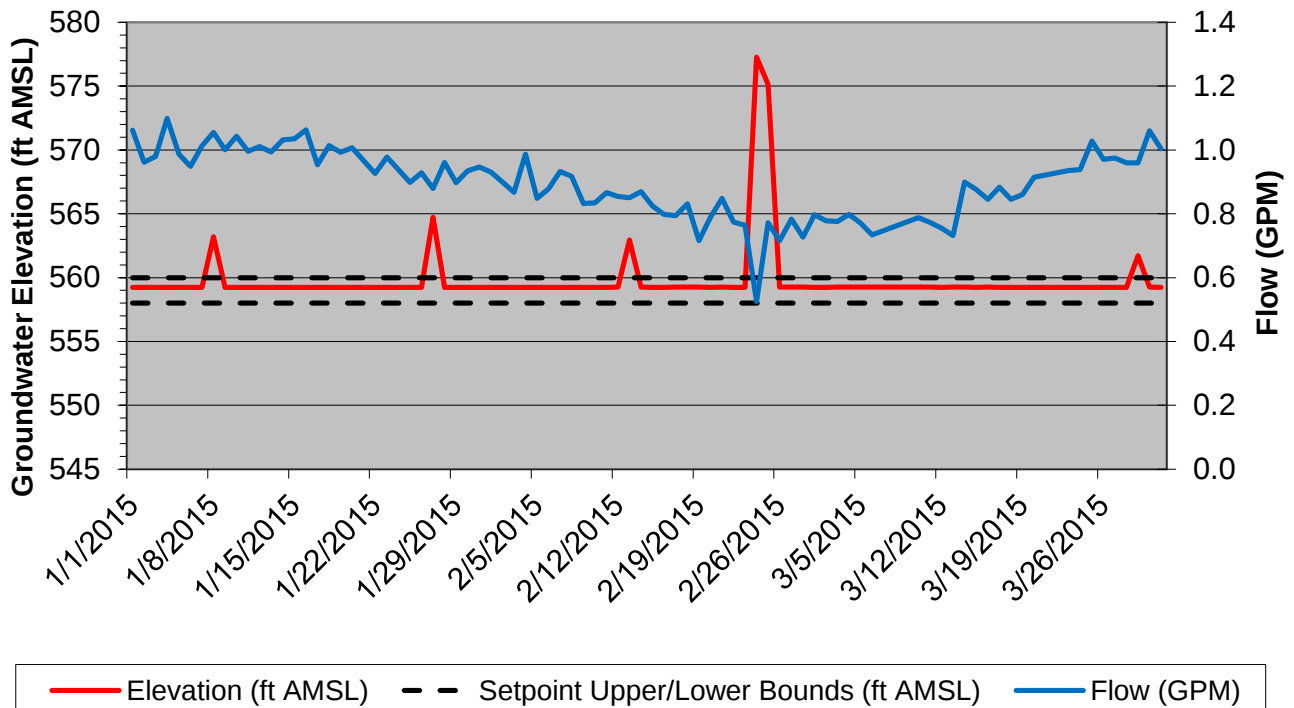


Well PW-2M

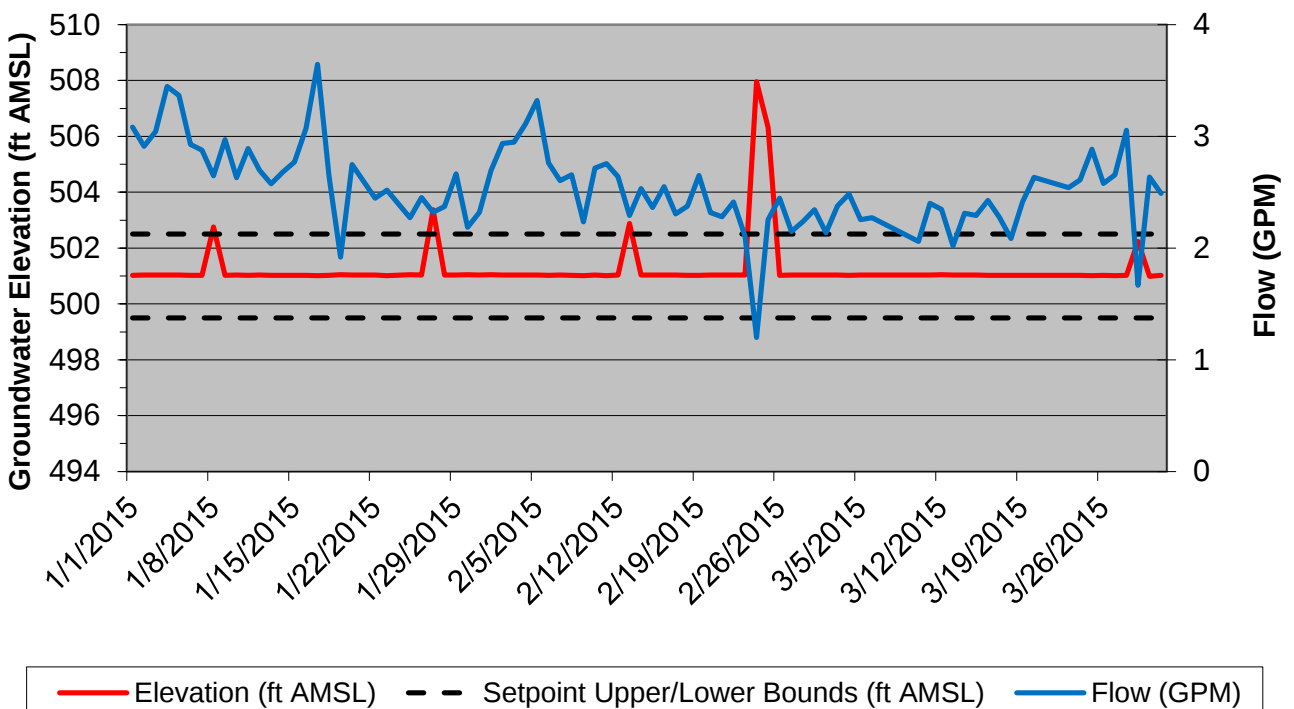


FIRST QUARTER 2015 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-2UR

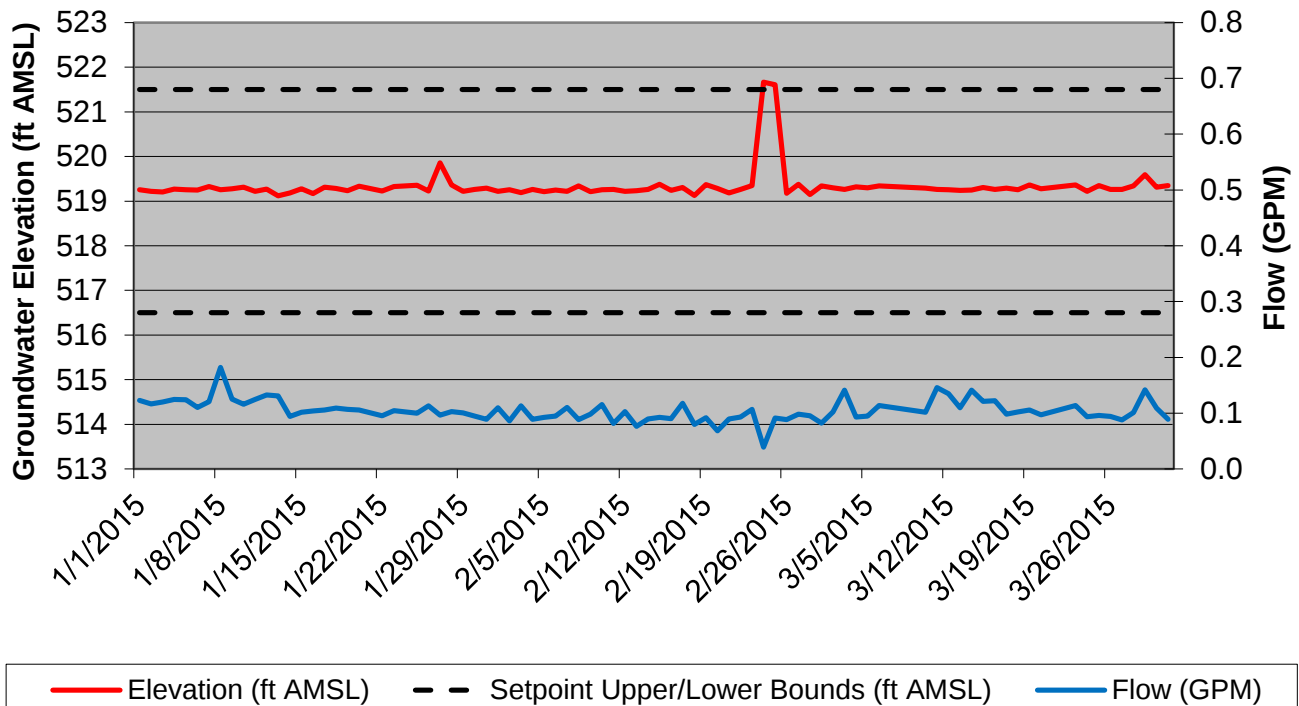


Well PW-3L

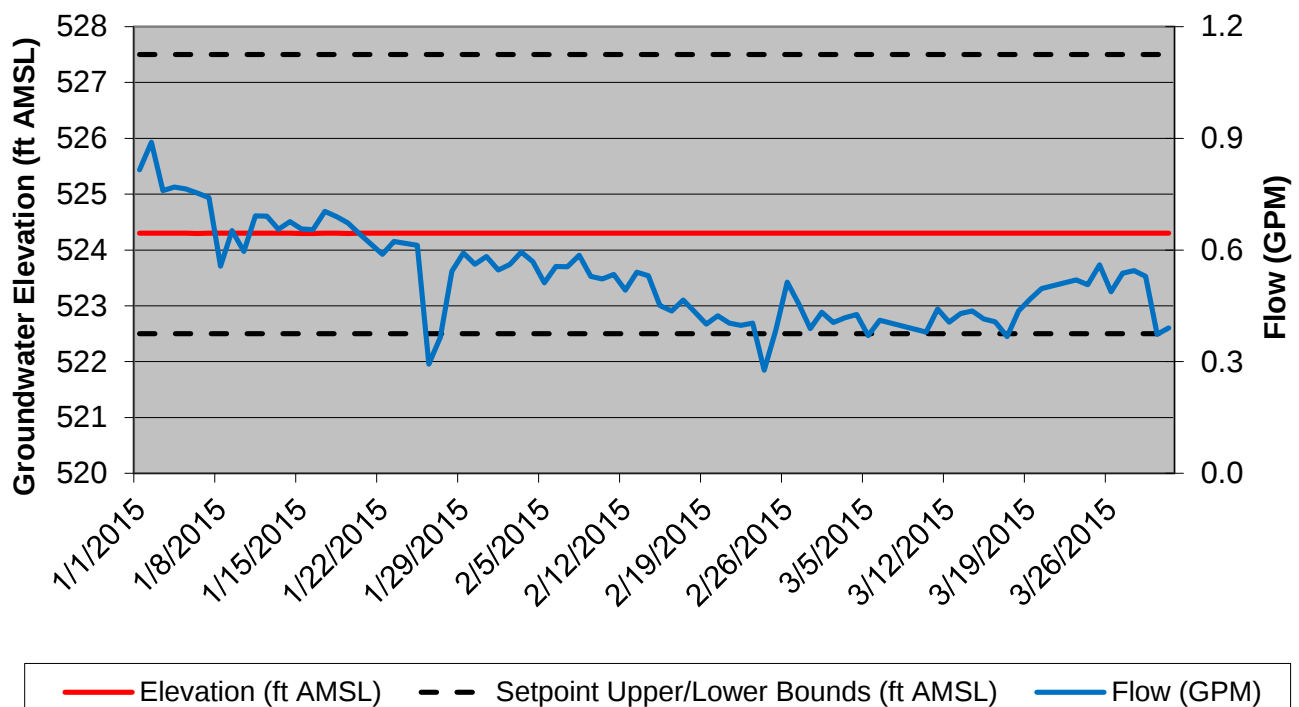


FIRST QUARTER 2015 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-3M

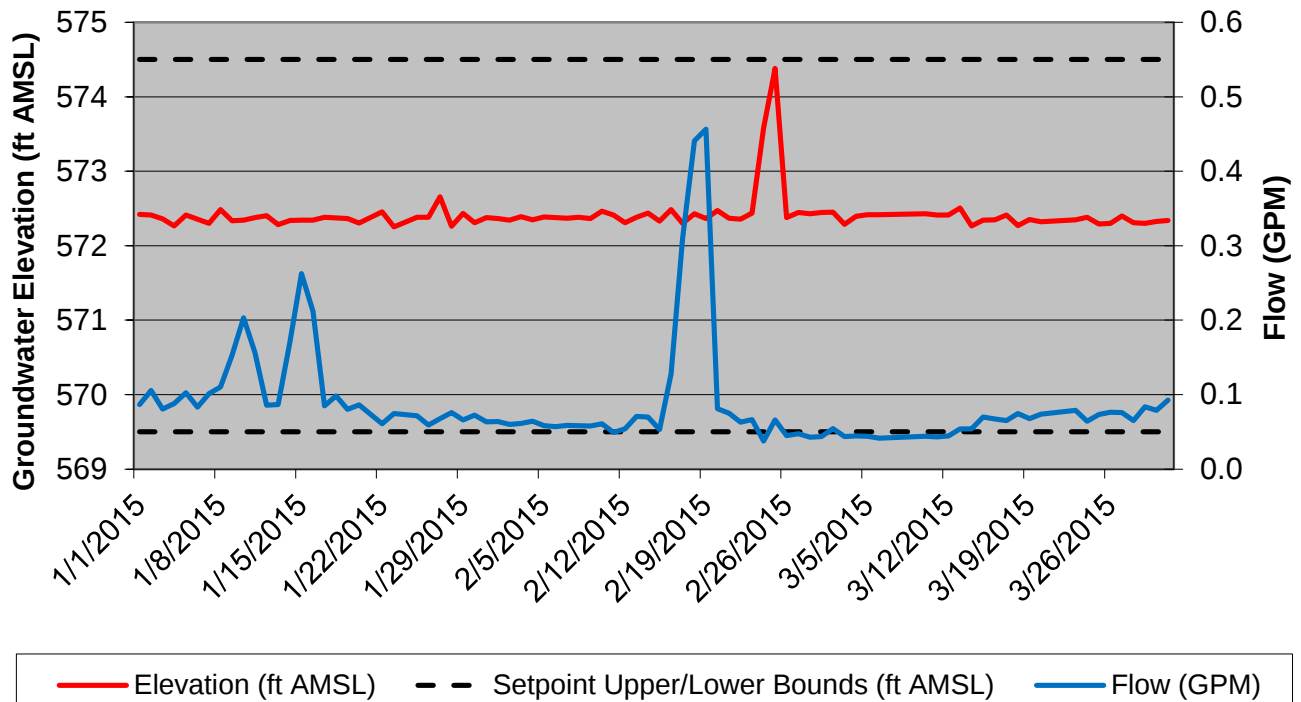


Well PW-4M

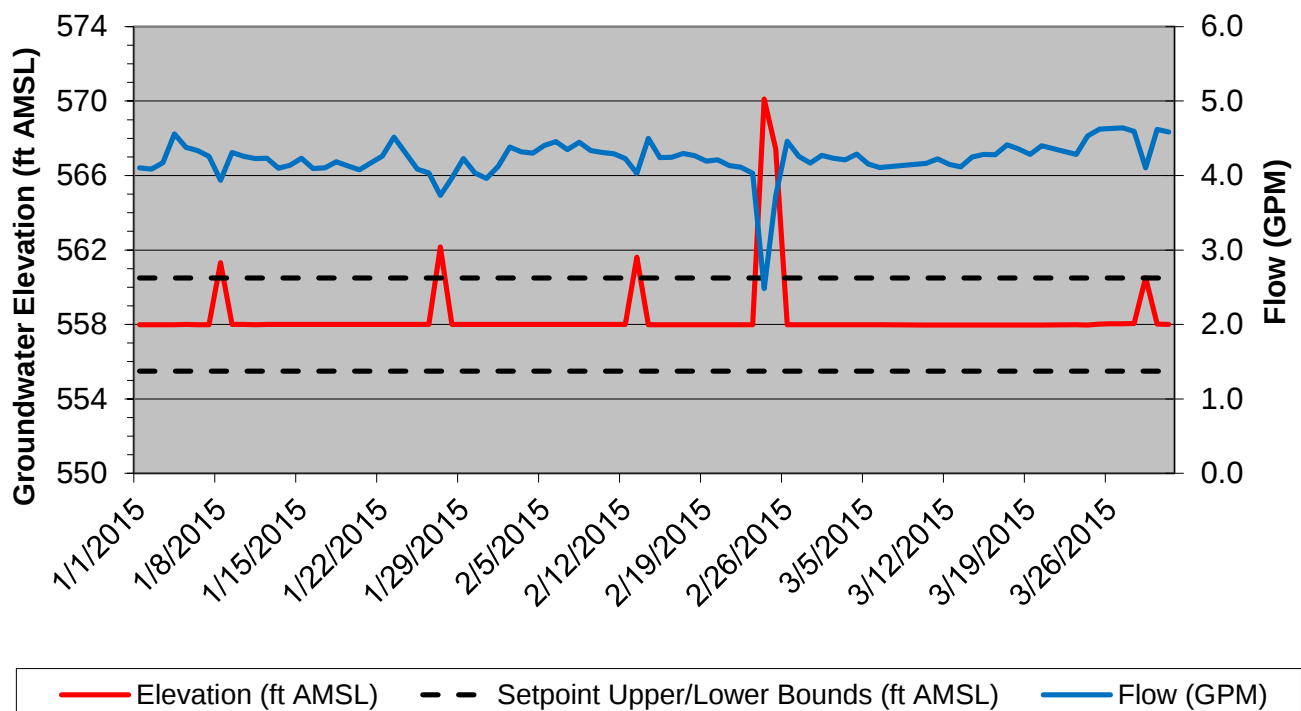


FIRST QUARTER 2015 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-4U

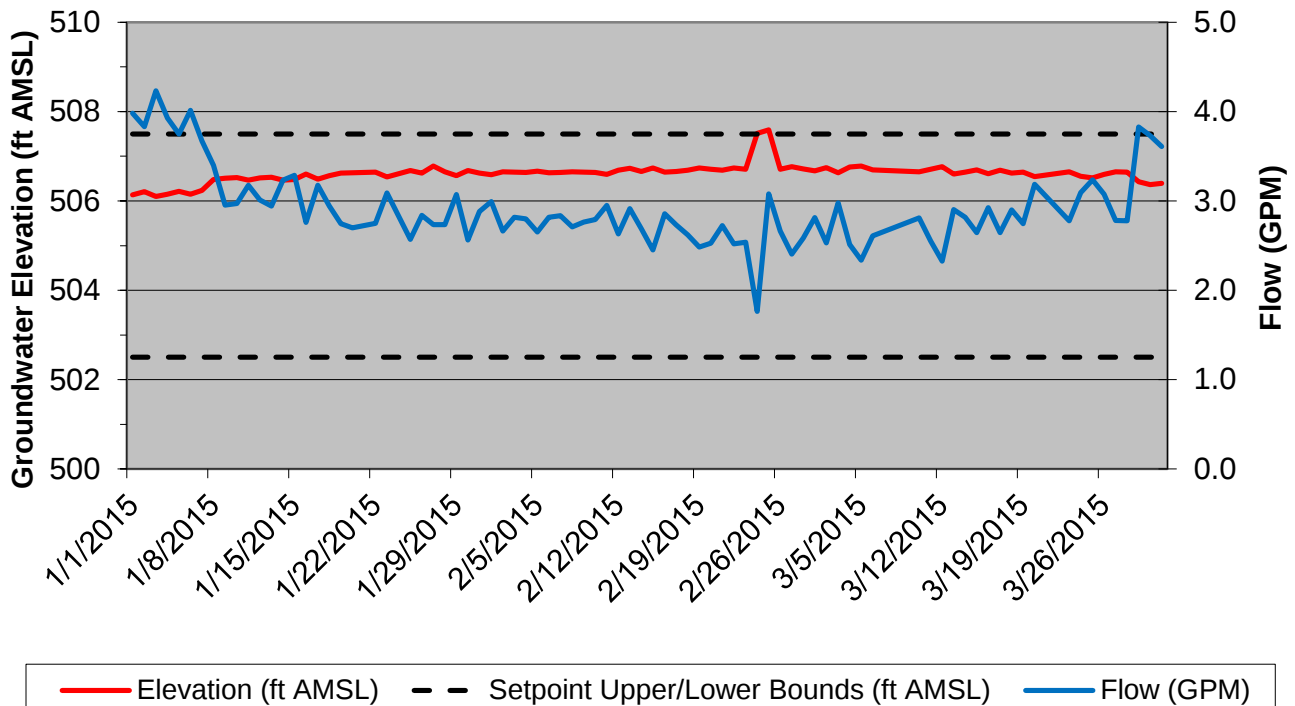


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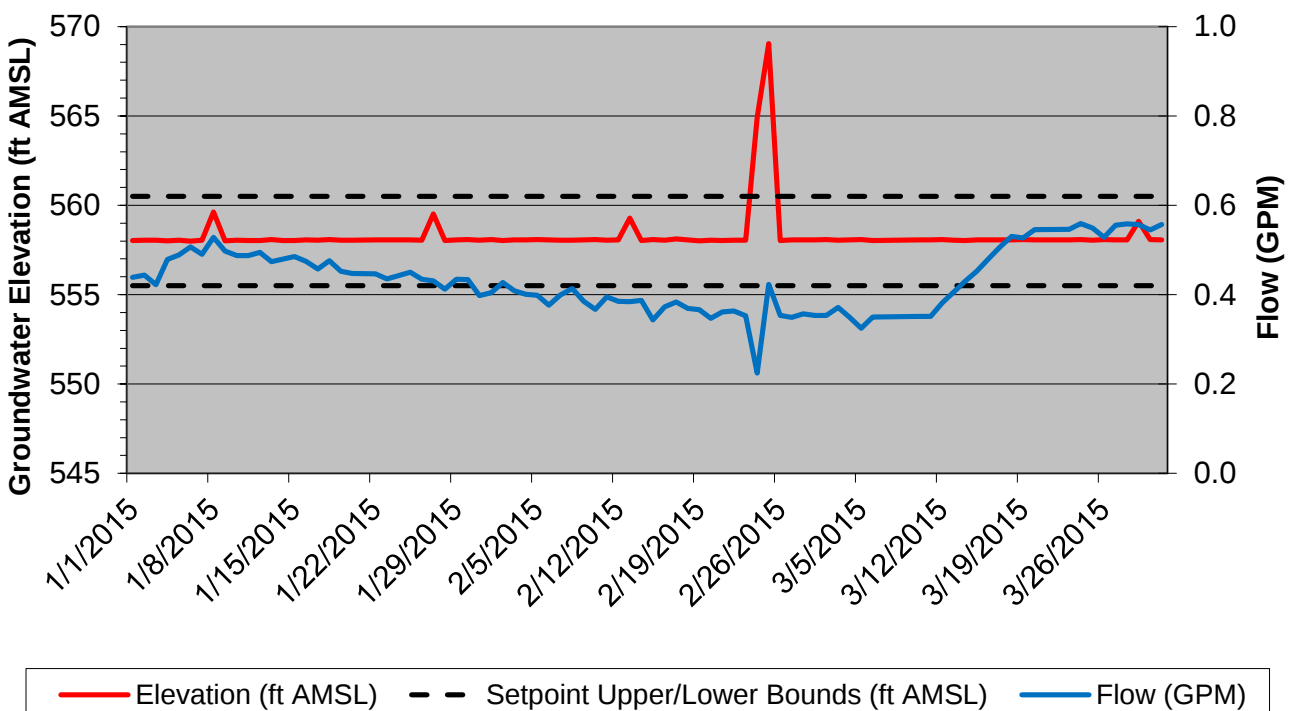


FIRST QUARTER 2015 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-6MR

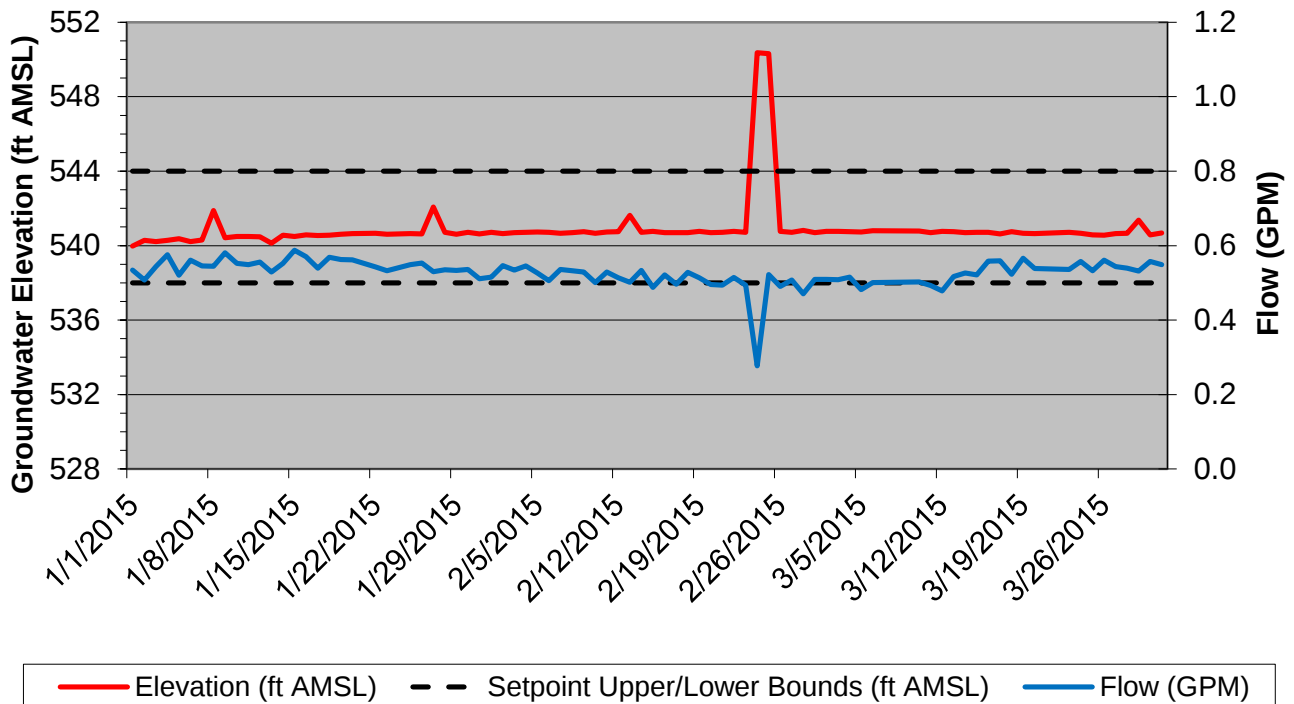


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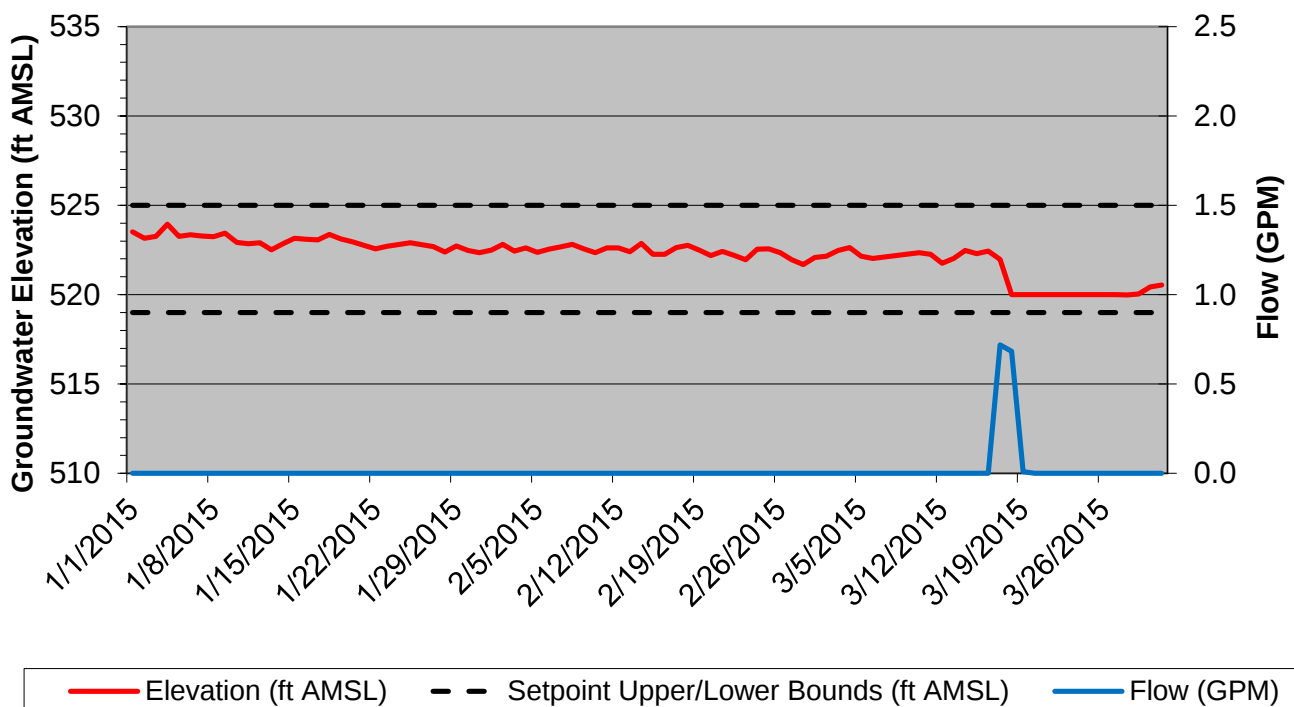


FIRST QUARTER 2015 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-7U

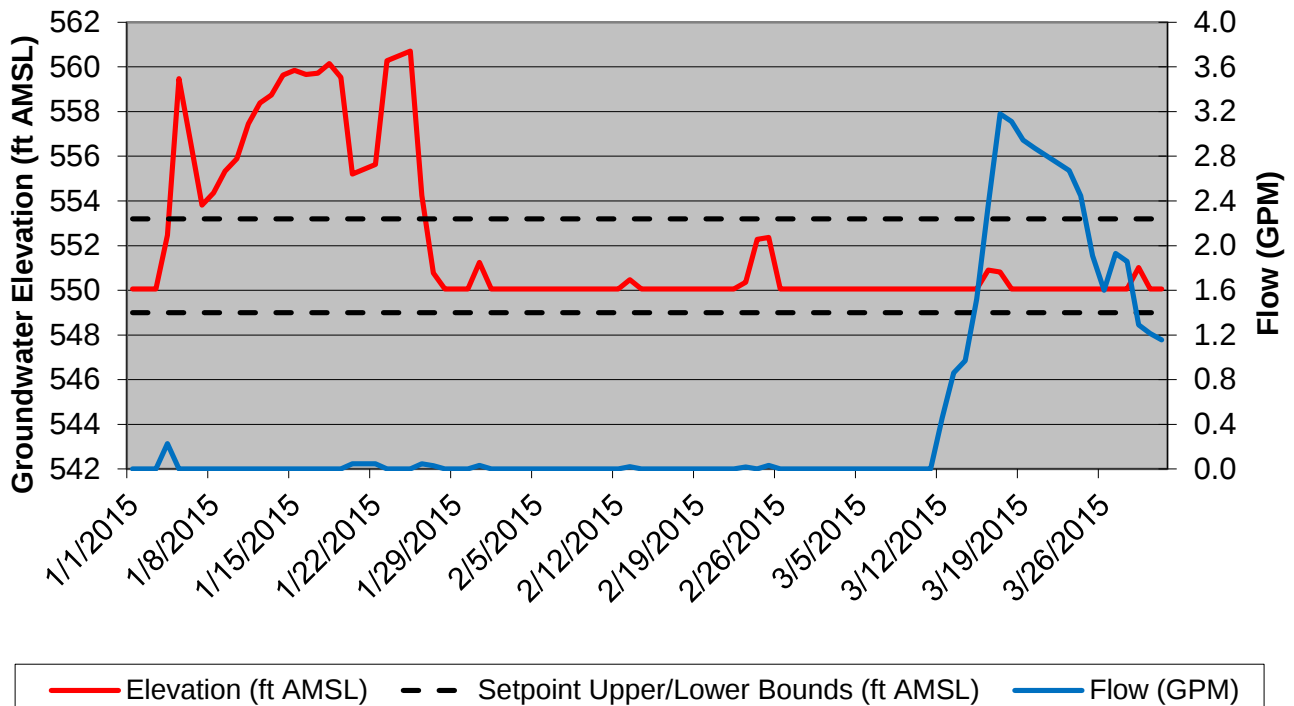


Well PW-8M

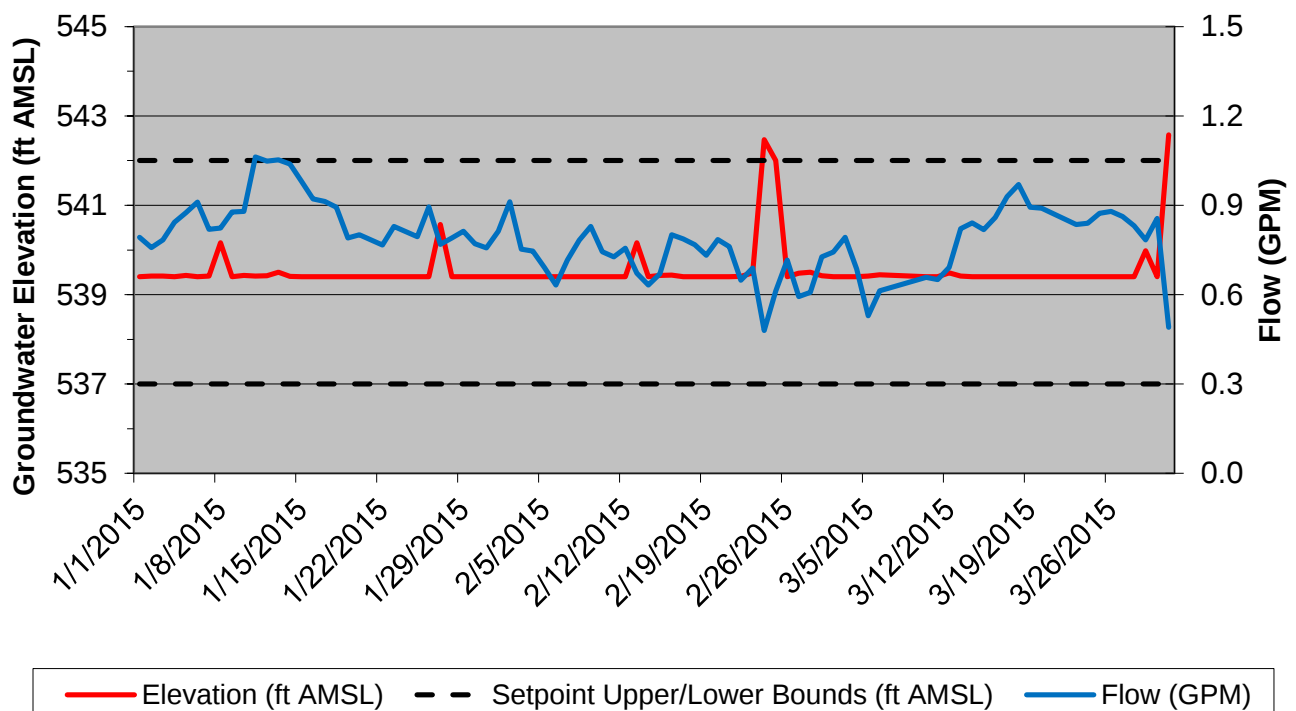


FIRST QUARTER 2015 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

Well PW-8U



Well PW-9U



FIRST QUARTER 2015 - PUMPING WELL PERFORMANCE GRAPHS
HYDE PARK

