DuPont Corporate Remediation Group
Buffalo Avenue & 26th Street
Building 35 3rd Floor
Niagara Falls, NY 14302
(716) 278-5100

May 25, 2010

Ms. Gloria Sosa
Western New York Remediation Section
New York Remediation Branch
Emergency and Remediation Response Division
U.S. EPA – Region II
290 Broadway, 20th Floor
New York, NY 10007-1866

Dear Ms. Sosa:

NECCO PARK FIRST QUARTER 2010 DATA PACKAGE

Enclosed are three copies of the *First Quarter 2010 (1Q10) Data Package* for the DuPont Necco Park Hydraulic Control System (HCS) in accordance with the approved Long Term Groundwater Monitoring Plan. The data package includes an operational summary, process sample analytical data, and figures showing potentiometric surface contours, vertical gradients, and drawdown contours. The data package also includes a DNAPL monitoring summary for 1Q10.

Pumping system uptime for 1Q10 was 98 percent. Total volume of groundwater treated was 3,921,478 gallons. No DNAPL was observed at any of the monitoring locations in 1Q10.

Please contact me at (716) 278-5496 if you have any questions or comments regarding this submittal.

Sincerely,

CORPORATE REMEDIATION GROUP

Paul F. Mazierski
Project Director

PFM/jsp
Enc.

cc: J. Kaczor/AECOMM
M. Hinton/NYSDEC
J. Poulsen/Parsons
Carol Luttrell/DuPont

SOURCE AREA HYDRAULIC CONTROL
FIRST QUARTER 2010
GROUNDWATER MONITORING DATA PACKAGE
DUPONT NECCO PARK
NIAGARA FALLS, NIAGARA COUNTY, NEW YORK

EPA ID No. NYD980532162

Prepared For:

DuPont Corporate Remediation Group

Buffalo Avenue & 26th Street
Niagara Falls, NY 14302

Prepared By:

PARSONS

40 LaRiviere Dr., Suite 350
Buffalo, New York 14202
Phone: (716) 541-0760

May 2010

TABLE OF CONTENTS

Page

TABLES

FIGURES

SECTION 1

DATA PACKAGE SUMMARY

1.1 INTRODUCTION

This data package presents a summary of operating and monitoring data collected during the first quarter of 2010 (1Q10) for groundwater remediation measures at the DuPont Necco Park Site (Necco Park) in Niagara Falls, New York. Submission of this data package meets reporting requirements defined in the Agency approved Long Term Groundwater Monitoring Plan (LTGMP) and the Sampling, Analysis, and Monitoring Plan (SAMP) (CRG, 2005).

This data package is the nineteenth subsequent to the 2005 startup of the Necco Park Hydraulic Control System (HCS) and includes a summary of operations for the pumping wells and Groundwater Treatment Facility (GWTF). Included are figures (Figures 1, 4, and 7 through 11) depicting groundwater elevation contours for seven groundwater flow zones and groundwater elevation data (Appendix A). An electronic copy of the groundwater elevation data is provided as Attachment 1. Figures illustrating drawdown for the AT and A-Zone and vertical gradients between the AT and A-Zone and A- and B-Zone are also included.

Figures 2 and 5 present the vertical gradient (ft/ft) for selected well pairs between the AT and A-Zone and the A-Zone and B-Zones, respectively. Vertical gradients are calculated by subtracting the elevation of the upper zone from the elevation of the lower zone and dividing the result by the difference in the elevation of the center of the well screen (for AT and A-Zones wells) or the center of open rock zone (for B-Zone wells).

Figures 3 and 6 present potentiometric contours of net drawdown in selected wells between April 5, 2005 (immediately prior to HCS startup) and the groundwater elevation in each well on February 10, 2010.

1.2 OPERATIONAL SUMMARY

A summary of average HCS uptime, total gallons of groundwater treated, and gallons of dense non-aqueous phase liquid (DNAPL) removed for 1Q10 is as follows:

	HCS Uptime (%)	Groundwater Treated (gallons)	DNAPL Removed (gallons)
January	96.7	1,313,368	0
February	98.7	1,209,179	65
March	99.4	1,398,931	25
1Q10 Total	**98.3**	**3,921,478**	**90**

Individual recovery well downtime which exceeded a 24-hour time period during 1Q10 is summarized in Table 1. All of the unscheduled downtime was due to pump failure (RW-5). RW-11 was down during November for 48 hours due to scheduled well maintenance. A historical operational summary by quarter since HCS operations began is provided in Table 2. There was no HCS downtime during the first quarter associated with routine maintenance.

Monthly DNAPL monitoring was completed on January 29, February 25, and March 26. No DNAPL was observed in January. In February, 65 gallons were removed from RW-5 and in March 25 gallons of DNAPL were removed from RW-5. A total of 90 gallons of DNAPL were removed from RW-5 during 1Q10. DNAPL was not observed in any other wells during this time.

1.3 GWTF PROCESS SAMPLING

In accordance with the SAMP, GWTF influent samples (B/C and D/E/F-Zone) and a combined effluent sample were collected in 1Q10. Samples were collected by TestAmerica Laboratories of Amherst, NY on February 10 2010 and shipped to TestAmerica Laboratories in North Canton, Ohio for analysis. Sample results for the process sampling are included in Appendix B.

1.4 POTW COMPLIANCE

As required by the POTW discharge permit for the site, the Necco GWTF discharge is sampled and reported quarterly to the Niagara Falls Water Board. The Necco Park 1Q10 wastewater samples were collected on February 10, 2010. There were no permit limit exceedances in 1Q10. The Necco POTW discharge permit was renewed in May 2009 and remains valid through May 1, 2014.

SECTION 2

REFERENCES

DuPont Corporate Remediation Group (CRG). 2005. DuPont Necco Park Operations and Maintenance Plan. November 11, 2005.

TABLES

Table 1

Individual Well Shutdown Summary 1Q10
DuPont Necco Park

	Well ID	Date(s)	Length of Shutdown (hours)	Reason for Shutdown
January	None	N/A	N/A	N/A
February	RW-5	19-Feb	24	Unscheduled shutdown due to pump failure
March	None	N/A	N/A	N/A

Table 2
Historical HCS Operational Summary - 1Q10
DuPont Necco Park

Reporting Period	HCS Uptime (%)	HCS Uptime Excluding Scheduled Maintenance Downtime (%)	Groundwater Treated (Gallons)	DNAPL Removed (Gallons)
2Q05	97.3	97.6	3,349,590	73.5
3Q05	89.3	91.4	3,117,280	30
4Q05	93.6	96.5	3,225,819	0
1Q06	99.4	99.4	2,889,134	24
2Q06	97.5	98.1	3,486,835	74
3Q06	88.7	90.9	3,181,365	28
4Q06	91.0	93.8	2,787,745	25
1Q07	91.2	91.2	2,638,005	15
2Q07	93.8	94.2	2,882,064	52
3Q07	92.0	92.5	3,497,149	51
4Q07	91.2	92.0	2,697,915	35
1Q08	92.6	93.5	2,761,674	65
2Q08	95.9	95.9	2,902,261	279
3Q08	77.2	80.0	3,112,202	124
4Q08	70.3	72.2	3,468,710	44
1Q09	88.7	89.6	4,442,026	0
2Q09	95.0	95.0	4,117,084	0
3Q09	95.3	95.3	4,069,280	0
4Q09	95.8	95.8	3,663,740	0
1Q10	98.3	98.3	3,921,478	90
TOTALS	**---**	**---**	**66,211,356**	**1010**
AVERAGE	**91.7**	**92.7**	**---**	**---**

FIGURES

DUPONT NECCO PARK

119AT
572.78

129AT
572.70

180AT
572.27

184AT
571.28

185AT
571.29

187AT
571.59

186AT
571.30

188AT
572.13

RW-5

189AT
572.19

190AT
572.20

191AT
571.16

192AT
572.39

193AT
576.58

194AT
574.94

RW-4

571.5
572
572.5
573
573.5
574
574.5

CECOS SECURE CELLS

Scale: Feet

0 100 200 300 400

Contour Interval = 0.5 feet

Elevation datum feet AMSL

PARSONS

40 La Riviere Dr, Suite 350
Buffalo, NY 14202

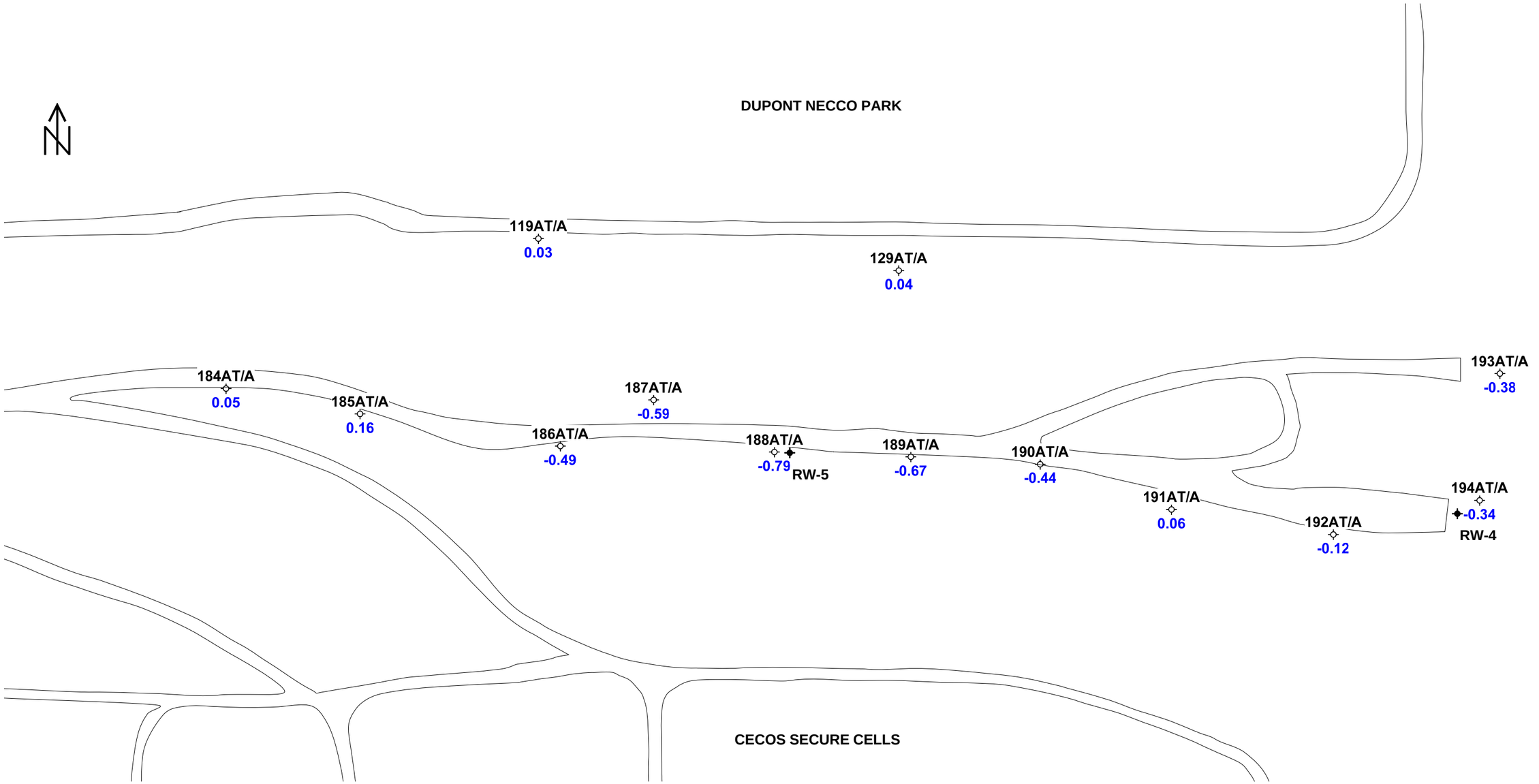
Created by	JWS
Checked by	JSP
Approved by	JSP
Project Manager	JSP
Job number: 445357.02021	

P:/000DuPont Temporary/Necco/GW_contours/2010Q1 NEC Contour Tool

LEGEND

- 3B — Well ID
- Monitoring Well
- Pumping Well
- Potentiometric Contour
- Structure
- Road

Figure 1
Potentiometric Surface Map
DuPont Necco Park: AT-Zone
February 10, 2010



Scale: Feet

0 100 200 300 400

Negative value indicates downward vertical gradient

Elevation datum feet AMSL

PARSONS

40 La Riviere Dr, Suite 350
Buffalo, NY 14202

Created by	JWS
Checked by	JSP
Approved by	JSP
Project Manager	JSP
Job number: 445357.02021	

LEGEND

- 3B — Well ID
- Monitoring Well
- Pumping Well
- Potentiometric Contour
- Structure
- Road

Figure 2
Vertical Gradient: AT-Zone to A-Zone
DuPont Necco ParK
February 10, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010Q1 NEC Contour Tool

DUPONT NECCO PARK

119AT
3.79

129AT
3.89

184AT
4.65

185AT
4.75

186AT
5.02

187AT
5.02

188AT
5.57

RW-5

180AT
5.55

189AT
5.86

190AT
5.82

191AT
6.86

192AT
1.22

193AT
3.14

194AT
1.26

RW-4

5.0
5.0
5.0
6.0
4.0
3.0
2.0

CECOS SECURE CELLS

Scale: Feet

0 100 200 300 400

Contour Interval = 0.5 feet

Elevation datum feet AMSL

PARSONS

40 La Riviere Dr, Suite 350
Buffalo, NY 14202

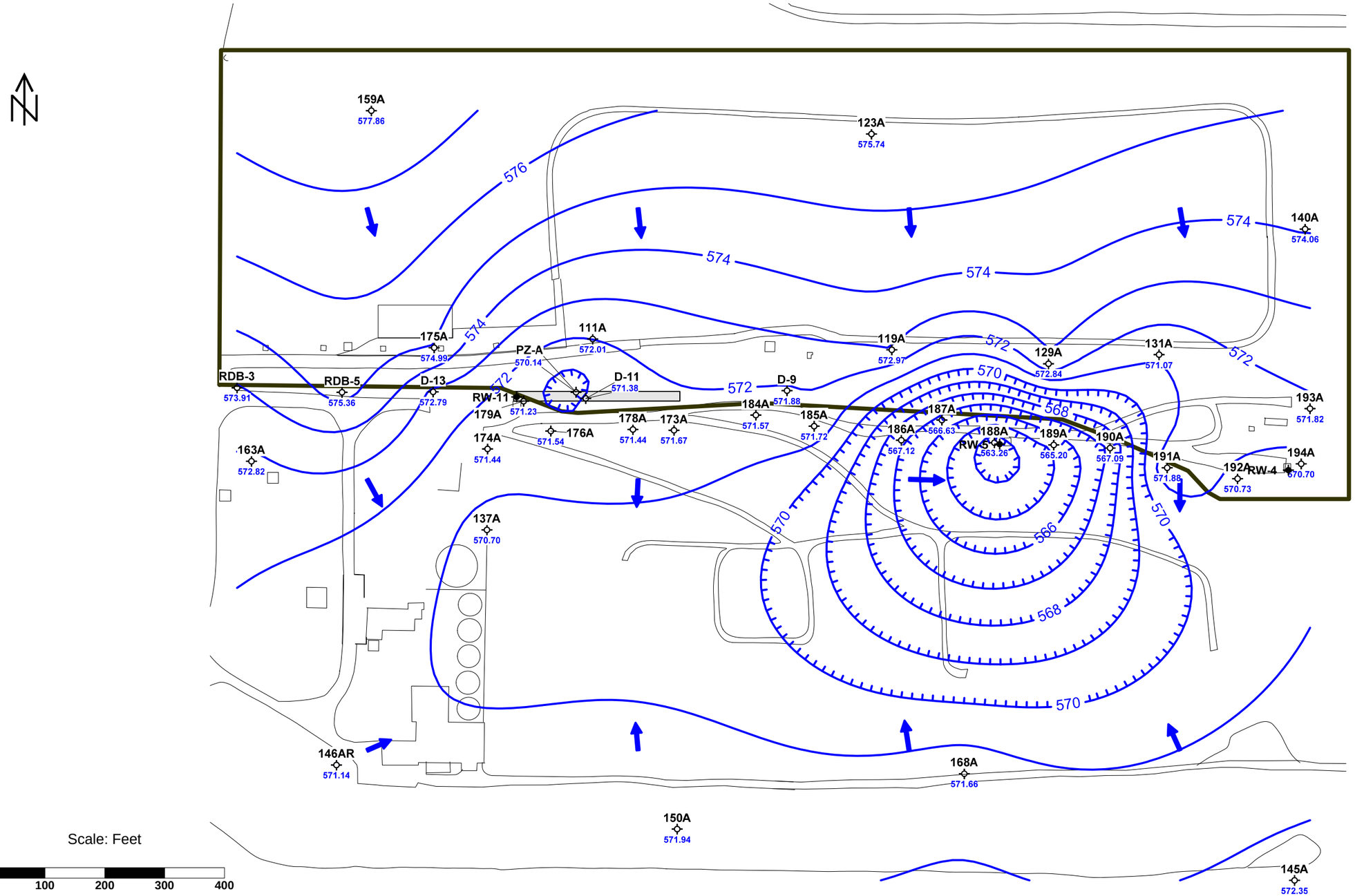
Created by	JWS
Checked by	JSP
Approved by	JSP
Project Manager	JSP
Job number: 445357.02021	

LEGEND

- 3B — Well ID
- Monitoring Well
- Pumping Well
- Potentiometric Contour
- Structure
- Road

Figure 3
Drawdown Contour Map
DuPont Necco Park: AT-Zone
April 5, 2005 (Static) to February 10, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010Q1 NEC Contour Tool



Scale: Feet

0 100 200 300 400

Contour Interval = 1 foot **Elevation datum feet AMSL**

PARSONS

40 La Riviere Dr, Suite 350
Buffalo, NY 14202
(716) 541-0730

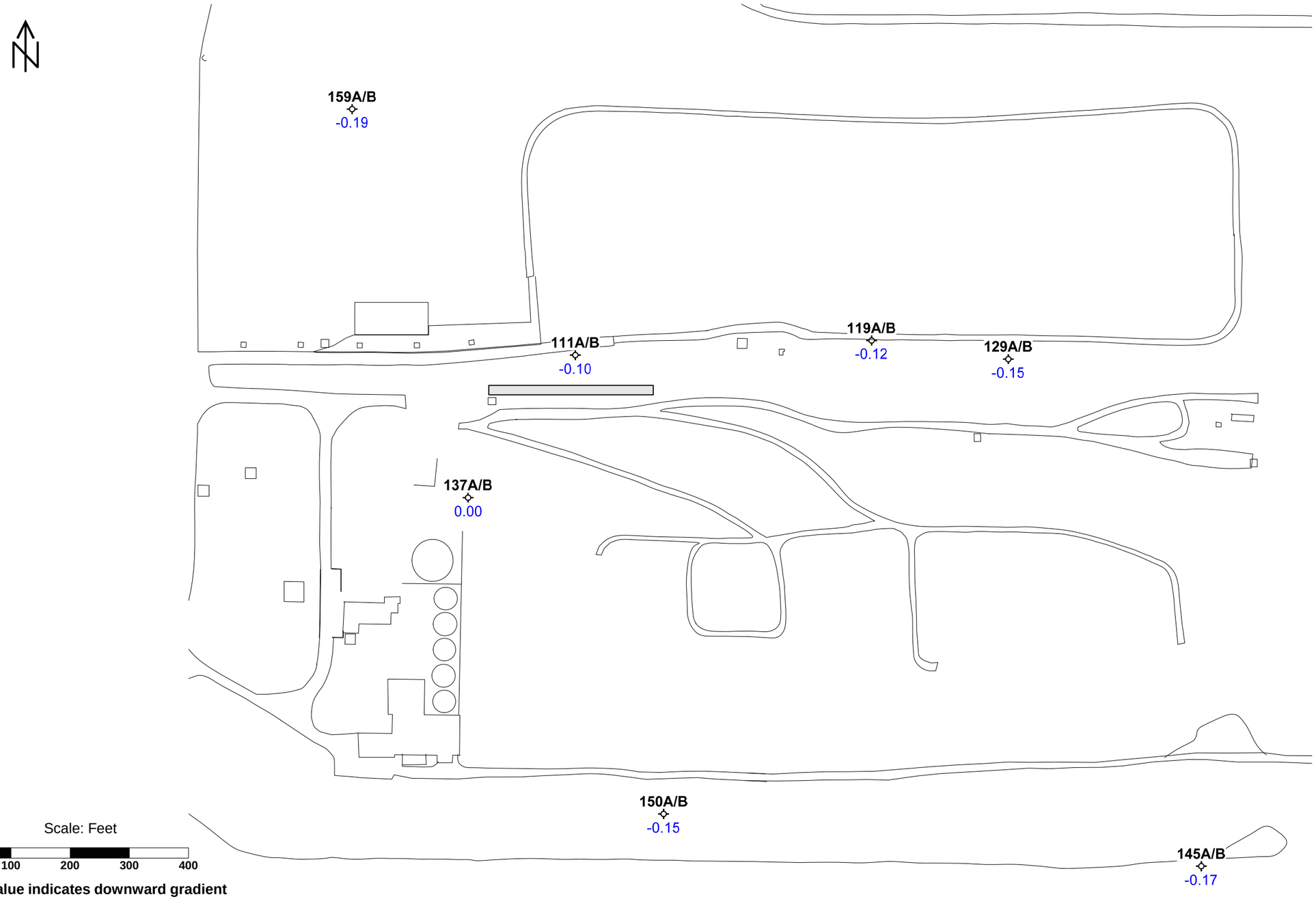
Created by: JWS	Date:	05-07-10
Checked by: EAF	Date:	05-11-10
Approved by: JSP	Date:	05-12-10
Project Manager: JSP	Date:	05-12-10
Job number: 445231.05040		

LEGEND

3B	Well ID	Potentiometric Contour	Source Area Delineation
	Monitoring Well	Structure	Bedrock Fractured Blast Trench
	Pumping Well	Road	

Figure 4
Potentiometric Surface Map
DuPont Necco Park: A-Zone
February 10, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010Q1 NEC Contour Tool



Scale: Feet

0 100 200 300 400

Negative value indicates downward gradient

Elevation datum feet AMSL

PARSONS

40 La Riviere Dr, Suite 350
Buffalo, NY 14202
(716) 541-0730

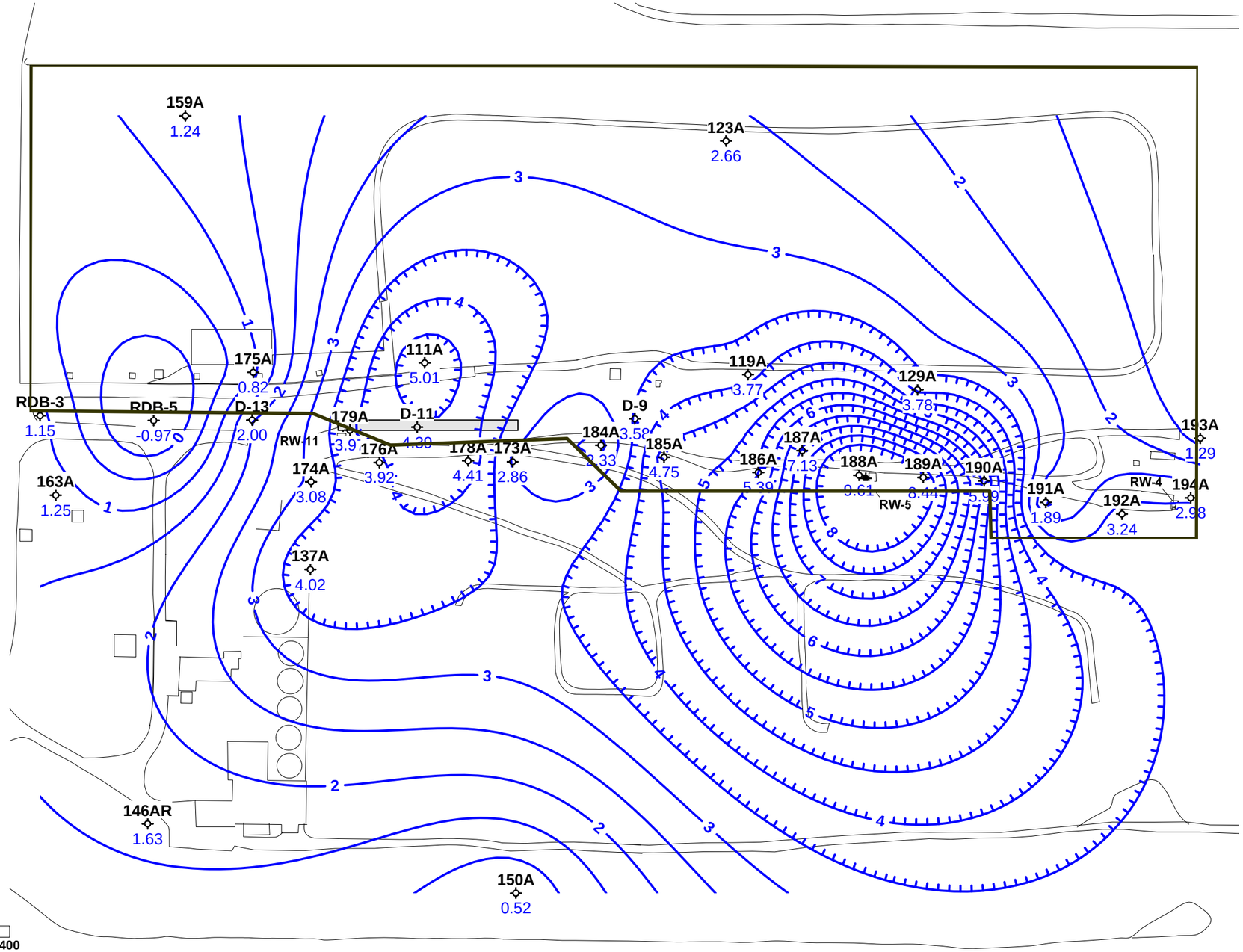
Created by: JWS	Date: 05-07-10
Checked by: EAF	Date: 05-11-10
Approved by: JSP	Date: 05-12-10
Project Manager: JSP	Date: 05-12-10
Job number: 445231.05040	

LEGEND

- 3B — Well ID
- Monitoring Well
- Pumping Well
- Potentiometric Contour
- Road
- Structure
- Bedrock Fractured Blast Trench

Figure 5
Vertical Gradient: A-Zone to B-Zone
DuPont Necco Park
February 10, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010Q1 NEC Contour Tool



Contour interval = 0.5 feet

Elevation datum feet AMSL

PARSONS

40 La Riviere Dr, Suite 350
Buffalo, NY 14202
(716) 541-0730

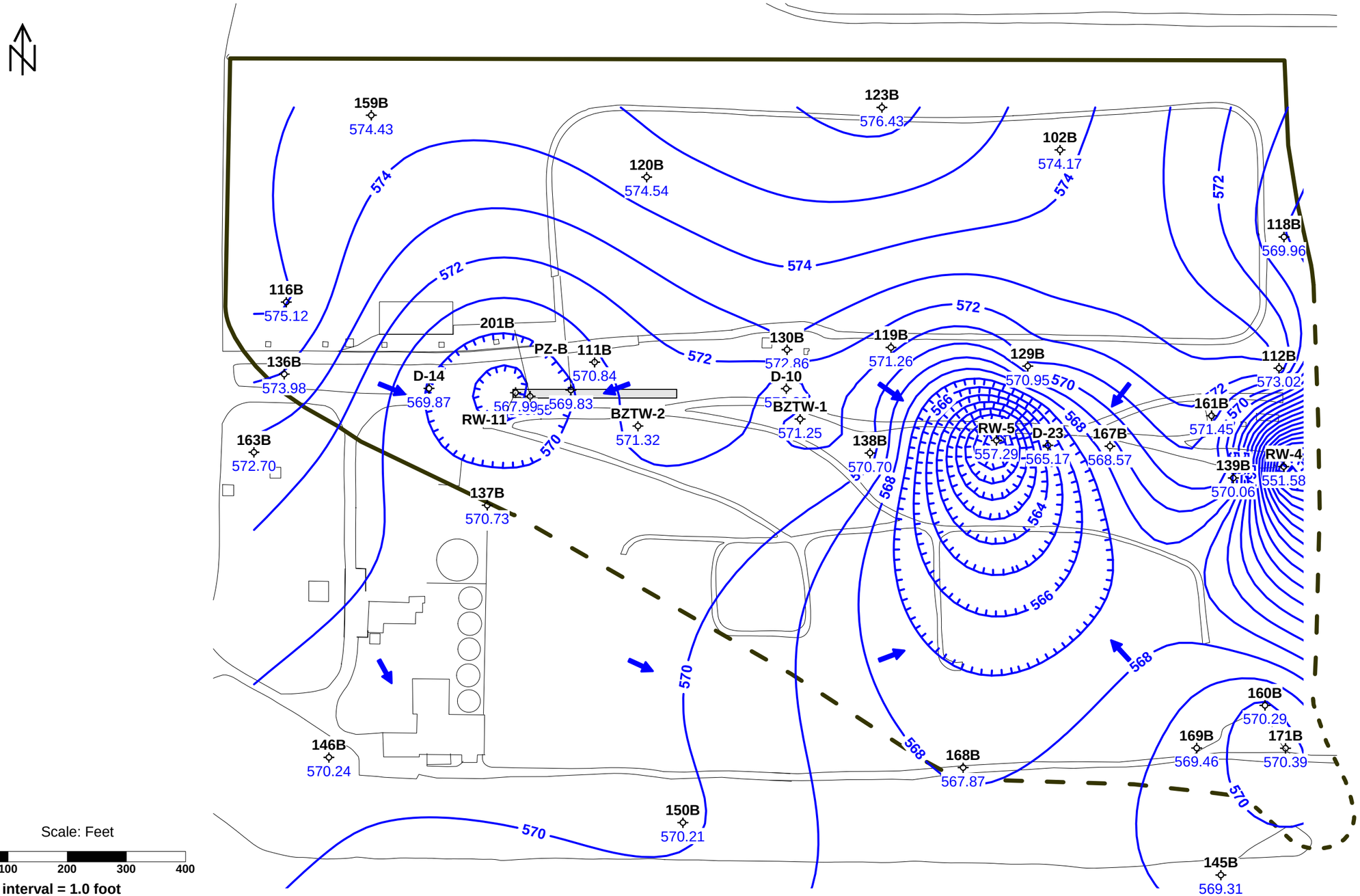
Created by: JWS	Date: 05-07-10
Checked by: EAF	Date: 03-03-10
Approved by: JSP	Date: 05-11-10
Project Manager: JSP	Date: 05-12-10
Job number: 445231.05040	

LEGEND

- 3B — Well ID
- Monitoring Well
- Pumping Well
- Potentiometric Contour
- Road
- Source Area Delineation
- Structure
- Bedrock Fractured Blast Trench

Figure 6
Drawdown Contour Map
DuPont Necco Park: A-Zone
April 5, 2005 (Static) to February 10, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010Q1 NEC Contour Tool



PARSONS

40 La Riviere Dr, Suite 350
Buffalo, NY 14202
(716) 541-0730

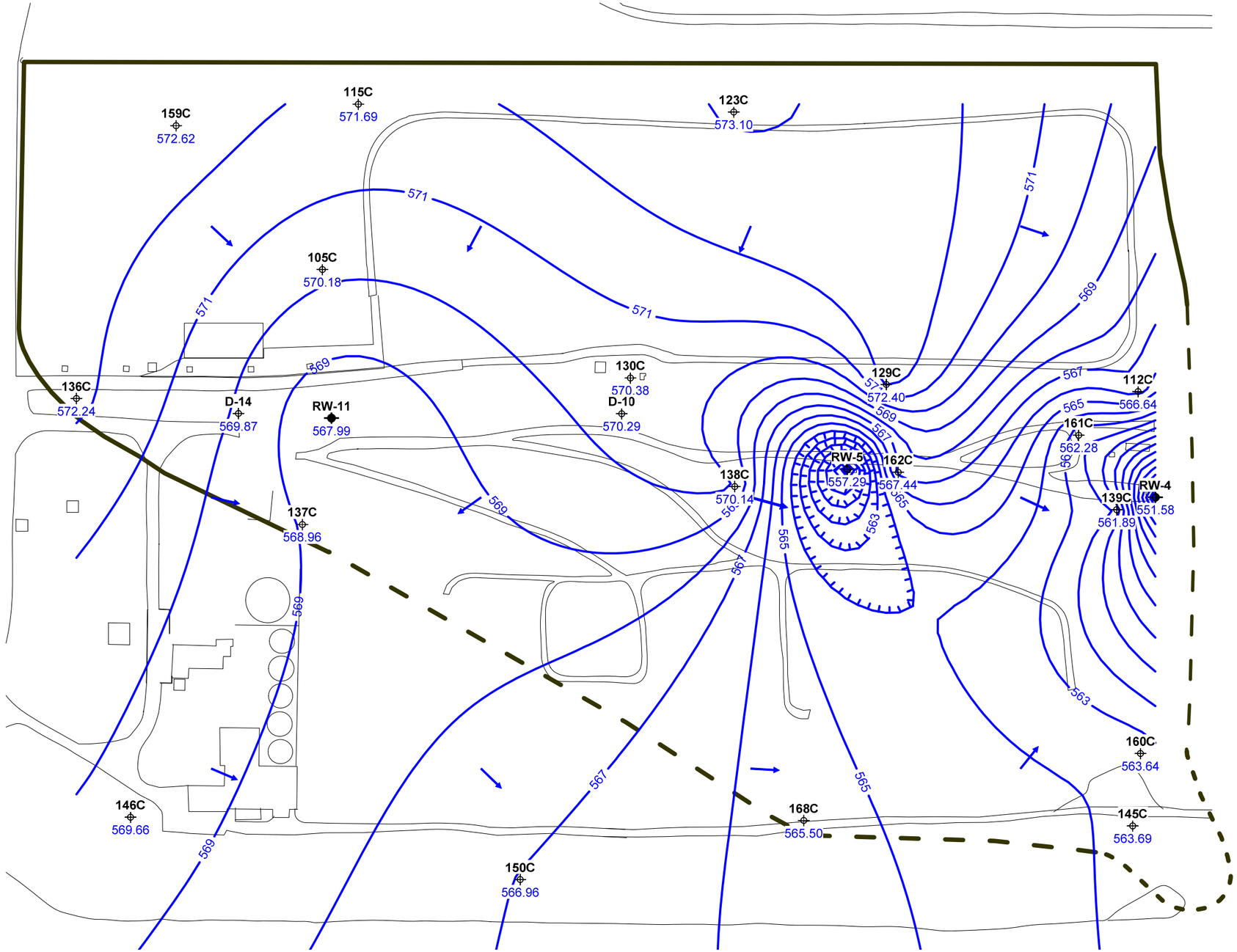
Created by: JWS	Date: 05-07-10
Checked by: EAF	Date: 05-11-10
Approved by: JSP	Date: 05-12-10
Project Manager: JSP	Date: 05-12-10
Job number: 445231.05040	

LEGEND

- 3B — Well ID
- Monitoring Well
- Pumping Well
- Potentiometric Contour
- Structure
- Road
- Source Area Delineation
- Bedrock Fractured Blast Trench

Figure 7
Potentiometric Surface Map
DuPont Necco Park: B-Zone
February 10, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010Q1 NEC Contour Tool



Scale: Feet

0 100 200 300 400

Contour interval = 1.0 foot

Elevation datum feet AMSL

PARSONS

40 La Riviere Dr, Suite 350
Buffalo, NY 14202
(716) 541-0730

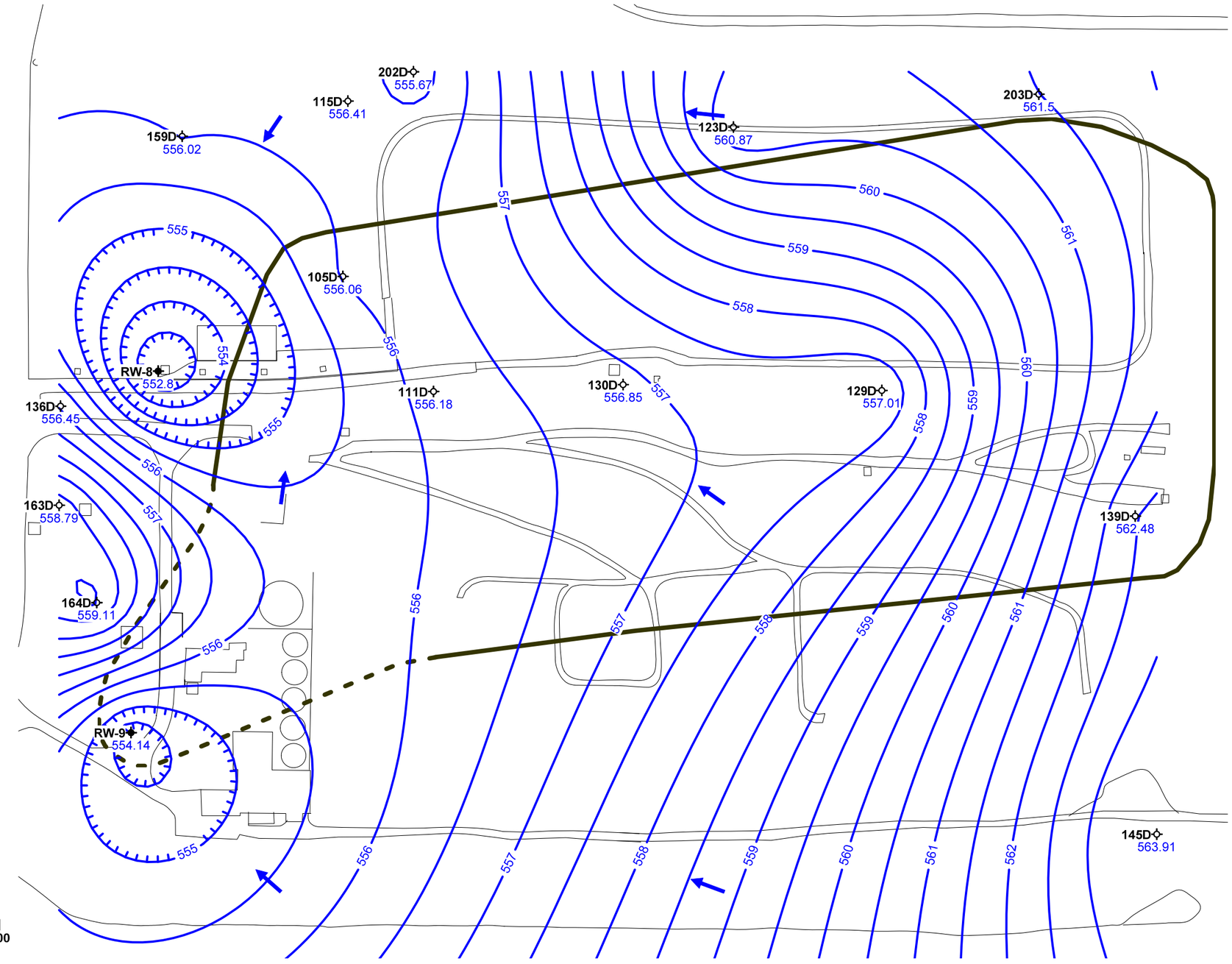
Created by: JWS	Date: 05-07-10
Checked by: EAF	Date: 05-12-10
Approved by: JSP	Date: 05-12-10
Project Manager: JSP	Date: 03-11-10
Job number: 445231.05040	

LEGEND

- 3B — Well ID
- Monitoring Well
- Pumping Well
- Potentiometric Contour
- Structure
- Road
- Source Area Delineation

Figure 8
Potentiometric Surface Map
DuPont Necco Park: C-Zone
February 10, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010Q1 NEC Contour Tool



Scale: Feet

0 100 200 300 400

Contour interval = 0.5 feet

Elevation datum feet AMSL

PARSONS

40 La Riviere Dr, Suite 350
Buffalo, NY 14202
(716) 541-0730

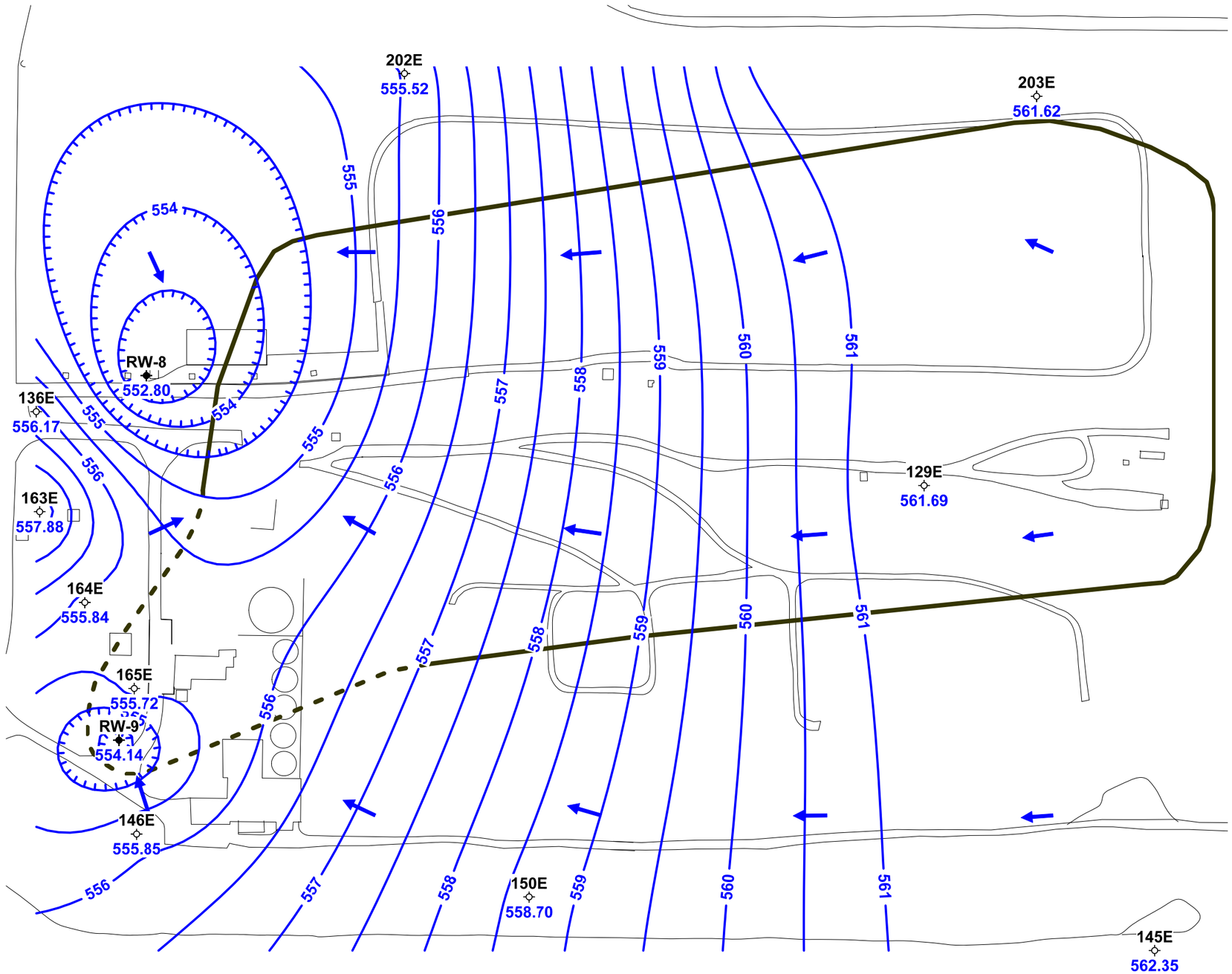
Created by: JWS	Date: 10-02-09
Checked by: EAF	Date: 05-12-10
Approved by: JSP	Date: 05-12-10
Project Manager: JSP	Date: 05-12-10
Job number: 445231.05040	

LEGEND

- 3B — Well ID
- Monitoring Well
- Pumping Well
- Potentiometric Contour
- Structure
- Road
- Source Area Delineation

Figure 9
Potentiometric Surface Map
DuPont Necco Park: D-Zone
February 10, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010Q1 NEC Contour Tool



Scale: Feet

0 100 200 300 400

Contour interval = 0.5 foot

Elevation datum feet AMSL

PARSONS

40 La Riviere Dr, Suite 350
Buffalo, NY 14202
(716) 541-0730

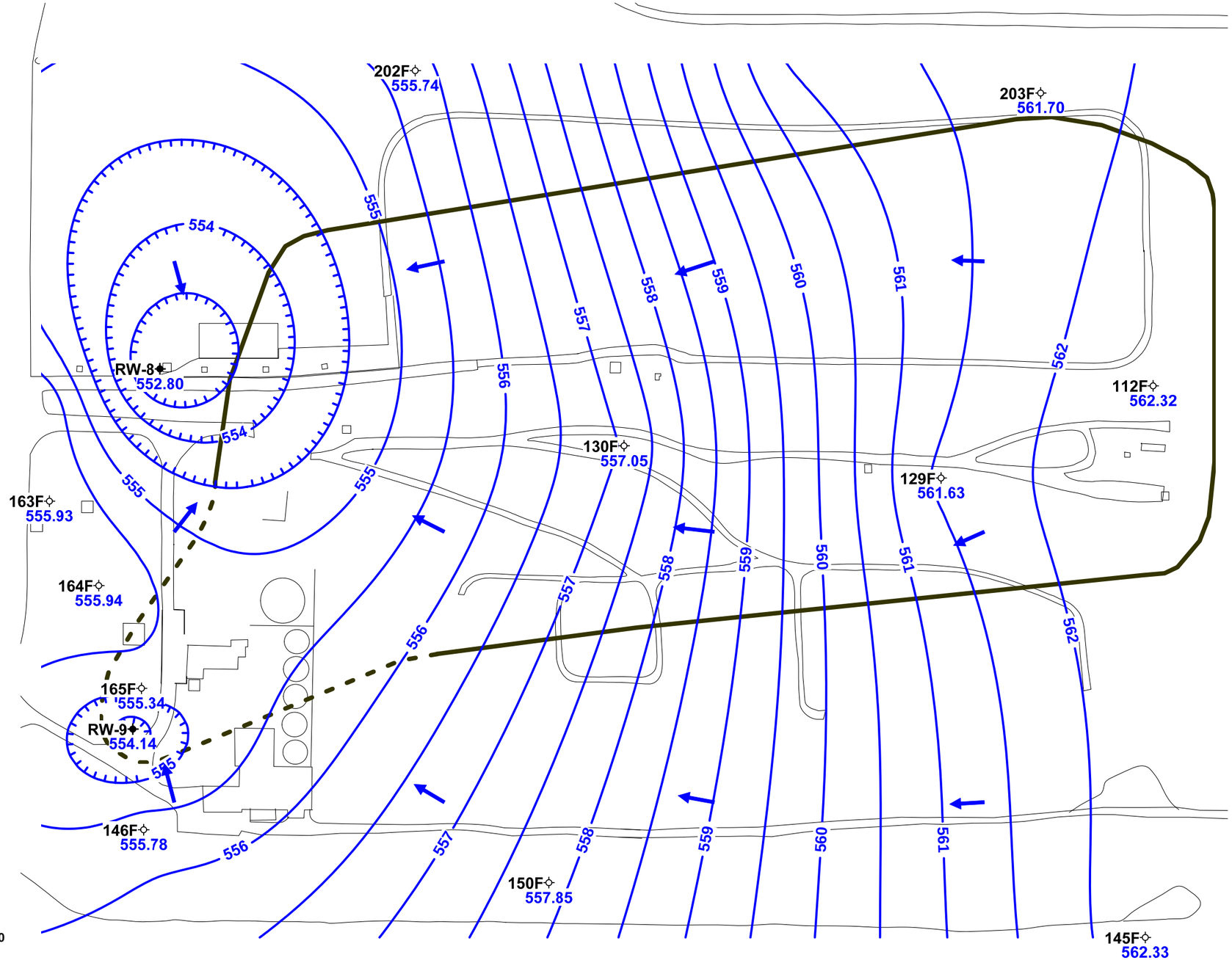
Created by: JWS	Date: 05-07-10
Checked by: EAF	Date: 05-12-10
Approved by: JSP	Date: 05-12-10
Project Manager: JSP	Date: 05-12-10
Job number: 445231.05040	

LEGEND

- 3B — Well ID
- Monitoring Well
- Pumping Well
- Potentiometric Contour
- Structure
- Road
- Source Area Delineation

Figure 10
Potentiometric Surface Map
DuPont Necco Park: E-Zone
February 10, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010Q1 NEC Contour Tool



Scale: Feet

0 100 200 300 400

Contour interval = 0.5 foot

Elevation datum feet AMSL

PARSONS

40 La Riviere Dr, Suite 350
Buffalo, NY 14202
(716) 541-0730

Created by: JWS	Date: 05-07-10
Checked by: EAF	Date: 05-12-10
Approved by: JSP	Date: 05-12-10
Project Manager: JSP	Date: 03-11-10
Job number: 445231.05040	

LEGEND

3B	Well ID	Potentiometric Contour	Source Area Delineation
☼	Monitoring Well	Structure	
✦	Pumping Well	Road	

Figure 11
Potentiometric Surface Map
DuPont Necco Park: F-Zone
February 10, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010Q1 NEC Contour Tool

APPENDIX A

GROUNDWATER ELEVATION DATA
FIRST QUARTER 2010

APPENDIX A
NECCO PARK
WATER LEVELS
FEBRUARY 10, 2010

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
136F	02/10/10	24.32	580.33	556.01	1110
136G	02/10/10	19.16	579.76	560.60	1109
136E	02/10/10	23.42	579.59	556.17	1111
136D	02/10/10	23.23	579.68	556.45	1112
136C	02/10/10	9.38	581.62	572.24	1113
136B	02/10/10	7.71	581.69	573.98	1114
116B	02/10/10	14.93	590.05	575.12	1135
RW-8	02/10/10	32.72	585.52	552.80	1137
RDB-5	02/10/10	3.21	578.57	575.36	1117
BZTW-4	02/10/10	4.62	578.18	573.56	1118
PZ 200-AT	02/10/10	7.45	586.46	579.01	1311
PZ 199-AT	02/10/10	6.13	584.92	578.79	1310
PZ 198-AT	02/10/10	5.08	583.93	578.85	1308
PZ 197-AT	02/10/10	5.78	584.57	578.79	1306
PZ 196-AT	02/10/10	6.87	585.71	578.84	1304
PZ 195-AT	02/10/10	5.92	584.80	578.88	1302
163A	02/10/10	5.32	578.14	572.82	1129
163B	02/10/10	5.24	577.94	572.70	1128
163D	02/10/10	20.03	578.82	558.79	1127
163E	02/10/10	21.18	579.06	557.88	1126
163F	02/10/10	22.83	578.76	555.93	1125
164D	02/10/10	18.31	577.42	559.11	1123
164E	02/10/10	21.48	577.32	555.84	1122
164F	02/10/10	21.33	577.27	555.94	1121
111A	02/10/10	14.88	586.89	572.01	1142
111B	02/10/10	14.10	584.94	570.84	1143
111D	02/10/10	28.12	584.30	556.18	1143
130B	02/10/10	12.77	585.63	572.86	1145
130C	02/10/10	15.13	585.51	570.38	1146
130D	02/10/10	28.11	584.96	556.85	1146

APPENDIX A
NECCO PARK
WATER LEVELS
FEBRUARY 10, 2010

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
119A	02/10/10	13.37	586.34	572.97	1148
119AT	02/10/10	13.84	586.62	572.78	1147
119B	02/10/10	15.51	586.77	571.26	1148
129A	02/10/10	11.96	584.80	572.84	1151
129AT	02/10/10	12.24	584.94	572.70	1152
129B	02/10/10	14.29	585.24	570.95	1151
129C	02/10/10	13.28	585.68	572.40	1151
129D	02/10/10	29.02	586.03	557.01	1150
131A	02/10/10	14.36	585.43	571.07	1155
112B	02/10/10	8.88	581.90	573.02	1157
112C	02/10/10	16.29	582.93	566.64	1157
118B	02/10/10	13.94	583.90	569.96	1200
117A	02/10/10	6.22	580.52	574.30	1203
158D	02/10/10	35.11	598.20	563.09	1316
102B	02/10/10	24.84	599.01	574.17	1220
123A	02/10/10	22.19	597.93	575.74	1212
123B	02/10/10	19.55	595.98	576.43	1216
123C	02/10/10	22.32	595.42	573.10	1215
123D	02/10/10	35.64	596.51	560.87	1214
123F	02/10/10	37.90	598.57	560.67	1213
120B	02/10/10	24.64	599.18	574.54	1318
136F	02/10/10	24.48	580.33	555.85	1329
136G	02/10/10	19.88	579.76	559.88	1321
RDB-3	02/10/10	5.40	579.31	573.91	1115
112F	02/10/10	20.97	583.29	562.32	1158
141G	02/10/10	26.27	582.53	556.26	1313
175A	02/10/10	11.82	586.81	574.99	1140
140A	02/10/10	7.37	581.43	574.06	1201
142E	02/10/10	24.48	586.00	561.52	1301
142F	02/10/10	24.42	585.69	561.27	1302

APPENDIX A
NECCO PARK
WATER LEVELS
FEBRUARY 10, 2010

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
141C	02/10/10	12.91	580.05	567.14	1314
105C	02/10/10	25.10	595.28	570.18	1222
105D	02/10/10	38.71	594.77	556.06	1224
115C	02/10/10	24.24	595.93	571.69	1231
115D	02/10/10	40.21	596.62	556.41	1233
143G	02/10/10	35.35	591.34	555.99	1242
159A	02/10/10	18.30	596.16	577.86	1235
159B	02/10/10	21.94	596.37	574.43	1236
159C	02/10/10	24.74	597.36	572.62	1237
159D	02/10/10	41.65	597.67	556.02	1238
165D	02/10/10	11.69	577.52	565.83	1211
165E	02/10/10	21.84	577.56	555.72	1213
165F	02/10/10	22.38	577.72	555.34	1215
RW-9	02/10/10	20.99	575.13	554.14	1208
146AR	02/10/10	5.78	576.92	571.14	1138
146B	02/10/10	6.66	576.90	570.24	1139
146C	02/10/10	6.69	576.35	569.66	1140
146E	02/10/10	20.23	576.08	555.85	1141
146F	02/10/10	20.26	576.04	555.78	1142
168A	02/10/10	7.06	578.72	571.66	1146
168B	02/10/10	11.03	578.90	567.87	1148
168C	02/10/10	13.71	579.21	565.50	1150
169B	02/10/10	10.97	580.43	569.46	1153
170B	02/10/10	12.42	579.10	566.68	1155
160B	02/10/10	12.46	582.75	570.29	1157
160C	02/10/10	19.08	582.72	563.64	1158
171B	02/10/10	9.15	579.54	570.39	1159
145C	02/10/10	12.21	575.90	563.69	1202
145D	02/10/10	12.14	576.05	563.91	1203
150A	02/10/10	3.92	575.86	571.94	1115

APPENDIX A
NECCO PARK
WATER LEVELS
FEBRUARY 10, 2010

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
150B	02/10/10	5.78	575.99	570.21	1117
150C	02/10/10	9.17	576.13	566.96	1118
150E	02/10/10	17.45	576.15	558.70	1120
150F	02/10/10	18.13	575.98	557.85	1122
145A	02/10/10	3.49	575.84	572.35	1129
145B	02/10/10	6.17	575.48	569.31	1133
145E	02/10/10	13.63	575.98	562.35	1131
145F	02/10/10	13.72	576.05	562.33	1130
172B	02/10/10	7.07	576.95	569.88	1125
148D	02/10/10	7.60	579.38	571.78	1053
148F	02/10/10	20.89	576.21	555.32	1052
151B	02/10/10	7.12	573.36	566.24	1042
151C	02/10/10	7.17	573.18	566.01	1045
149B	02/10/10	3.74	572.87	569.13	1104
149C	02/10/10	5.39	573.26	567.87	1106
149D	02/10/10	16.28	572.86	556.58	1110
PZ-A	02/10/10	8.92	579.06	570.14	1233
PZ-B	02/10/10	9.64	579.47	569.83	1233
RW-11	02/10/10	10.79	578.78	567.99	1236
TRW-7	02/10/10	6.89	577.89	571.00	1238
174A	02/10/10	6.18	577.62	571.44	1239
176A	02/10/10	8.49	580.03	571.54	1237
RW-11	02/10/10	10.79	577.90	567.11	1236
179A	02/10/10	7.78	579.01	571.23	1236
D-11	02/10/10	6.69	578.07	571.38	1232
BZTW-2	02/10/10	8.06	579.38	571.32	1229
178A	02/10/10	8.48	579.92	571.44	1229
173A	02/10/10	9.04	580.71	571.67	1228
TRW-6	02/10/10	8.89	580.21	571.32	1227
184AT	02/10/10	8.41	579.69	571.28	1220

APPENDIX A
NECCO PARK
WATER LEVELS
FEBRUARY 10, 2010

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
184A	02/10/10	8.31	579.88	571.57	1219
130G	02/10/10	25.06	580.79	555.73	1216
130F	02/10/10	24.44	581.49	557.05	1217
D-10	02/10/10	9.73	580.02	570.29	1222
D-9	02/10/10	8.27	580.15	571.88	1222
BZTW-1	02/10/10	8.42	579.67	571.25	1210
185AT	02/10/10	9.40	580.69	571.29	1214
185A	02/10/10	9.12	580.84	571.72	1214
186AT	02/10/10	8.80	580.10	571.30	1205
186A	02/10/10	12.64	579.76	567.12	1205
138C	02/10/10	16.92	587.06	570.14	1207
138B	02/10/10	13.28	583.98	570.70	1208
187AT	02/10/10	7.71	579.30	571.59	1203
187A	02/10/10	13.31	579.94	566.63	1202
188AT	02/10/10	8.46	580.59	572.13	1200
188A	02/10/10	17.65	580.91	563.26	1200
53	02/10/10	5.97	578.20	572.23	1154
180AT	02/10/10	7.20	579.47	572.27	1151
189AT	02/10/10	8.21	580.40	572.19	1147
189A	02/10/10	14.62	579.82	565.20	1148
RW-5	02/10/10	21.59	578.88	557.29	1158
162C	02/10/10	13.56	581.00	567.44	1150
129F	02/10/10	19.73	581.36	561.63	1146
129E	02/10/10	19.19	580.88	561.69	1147
D-23	02/10/10	15.38	580.55	565.17	1150
190AT	02/10/10	8.72	580.92	572.20	1143
190A	02/10/10	13.49	580.58	567.09	1144
167B	02/10/10	12.36	580.93	568.57	1143
191AT	02/10/10	9.90	581.06	571.16	1138
191A	02/10/10	8.74	580.62	571.88	1137

APPENDIX A
NECCO PARK
WATER LEVELS
FEBRUARY 10, 2010

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
192AT	02/10/10	12.07	584.46	572.39	1129
192A	02/10/10	13.35	584.08	570.73	1128
194AT	02/10/10	9.99	584.93	574.94	1112
194A	02/10/10	13.65	584.35	570.70	1112
161C	02/10/10	20.36	582.64	562.28	1133
161B	02/10/10	11.39	582.84	571.45	1135
193AT	02/10/10	6.51	583.09	576.58	1110
193A	02/10/10	12.31	584.13	571.82	1107
139D	02/10/10	23.01	585.49	562.48	1118
139C	02/10/10	23.38	585.27	561.89	1119
139B	02/10/10	15.33	585.39	570.06	1121
139A	02/10/10	14.06	585.14	571.08	1124
RW-4	02/10/10	29.94	581.52	551.58	1116
D-13	02/10/10	6.28	579.07	572.79	1333
D-14	02/10/10	9.14	579.01	569.87	1334
137A	02/10/10	7.77	578.47	570.70	1245
137B	02/10/10	7.58	578.31	570.73	1243
137C	02/10/10	9.43	578.39	568.96	1242
137D	02/10/10	12.45	579.09	566.64	1244
201B	02/10/10	9.70	579.25	569.55	1235
202D	02/10/10	37.06	592.73	555.67	1310
202E	02/10/10	37.21	592.73	555.52	1311
202F	02/10/10	36.99	592.73	555.74	1312
203D	02/10/10	32.35	593.85	561.50	1316
203E	02/10/10	32.23	593.85	561.62	1317
203F	02/10/10	32.15	593.85	561.70	1318
204C	02/10/10	19.22	581.77	562.55	1252

APPENDIX B

GWTF PROCESS SAMPLING RESULTS
FIRST QUARTER 2010

Appendix B
DuPont Necco Park
Summary of Analytical Results
1Q10

LabAnalyte	Location Date Units	BC-INFLUENT 2/10/10 FS	DEF-INFLUENT 2/10/10 FS	COMB-EFFLUENT 2/10/10 FS	FILTER-BLK 2/10/10 EB	TBLK 2/10/10 TB
Field Parameters						
COLOR QUALITATIVE (FIELD)	NS	grey	grey	grey	NS	NS
ODOR (FIELD)	NS	moderate	moderate	slight	NS	NS
PH (FIELD)	STD UNITS	5.7	7.03	7.89	NS	NS
REDOX (FIELD)	MV	-127	-250	-31	NS	NS
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	11460	4745	5620	NS	NS
TEMPERATURE (FIELD)	DEGREES C	11.5	11.5	10.5	NS	NS
TURBIDITY QUALITATIVE (FIELD)	NONE	277	52.8	205	NS	NS
Volatile Organics						
1,1,2,2-TETRACHLOROETHANE	UG/L	3400	1400	1000	NS	<0.18
1,1,2-TRICHLOROETHANE	UG/L	2300	2300	690	NS	<0.27
1,1-DICHLOROETHENE	UG/L	300 J	390 J	<16	NS	<0.19
1,2-DICHLOROETHANE	UG/L	380 J	210 J	44 J	NS	<0.22
CARBON TETRACHLORIDE	UG/L	1900	1200	<11	NS	<0.13
CHLOROFORM	UG/L	14000	4100	230	NS	<0.16
CIS-1,2-DICHLOROETHENE	UG/L	5200	12000	290	NS	<0.17
METHYLENE CHLORIDE	UG/L	2100	5200	250	NS	<0.33
TETRACHLOROETHENE	UG/L	3400	1300	28 J	NS	<0.29
TRANS-1,2-DICHLOROETHENE	UG/L	390 J	780	<16	NS	<0.19
TRICHLOROETHENE	UG/L	11000	7200	82 J	NS	<0.17
VINYL CHLORIDE	UG/L	2000	2700	<18	NS	<0.22
Semivolatile Organics						
2,4,5-TRICHLOROPHENOL	UG/L	52 J	320	200 J	NS	NS
2,4,6-TRICHLOROPHENOL	UG/L	<80	140	91 J	NS	NS
3- & 4-METHYLPHENOL	UG/L	130 J	18 J	<0.75	NS	NS
HEXACHLOROBENZENE	UG/L	30 J	<1.2	9.9 J	NS	NS
HEXACHLOROBUTADIENE	UG/L	3300	37 J	880	NS	NS
HEXACHLOROETHANE	UG/L	1100 J	12 J	50 J	NS	NS
PENTACHLOROPHENOL	UG/L	<240	650	390 J	NS	NS
PHENOL	UG/L	160 J	46 J	73 J	NS	NS
TIC 1	UG/L	1500 J	750 J	970 J	NS	NS
Inorganics						
BARIUM, DISSOLVED	UG/L	112000	1900	390	NS	NS
BARIUM, TOTAL	UG/L	200000	73 J	8000	0.7 B	NS
SULFATE	UG/L	3200	775000	421000	NS	NS
CYANIDE, TOTAL	UG/L	14100	77	1100	NS	NS
Total Volatiles	UG/L	45300	38180	2460	0	0

ATTACHMENTS

NECCO PARK
1Q10 WATER LEVELS

(ELECTRONIC FORMAT ONLY)