



DuPont Corporate Remediation Group
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March 22, 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 FOURTH QUARTER 2009 DATA PACKAGE

Enclosed are three copies of the *Fourth Quarter 2009 (4Q09) 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 4Q09.

Pumping system uptime for 4Q09 was 96 percent. Total volume of groundwater treated was 3,455,407 gallons. No DNAPL was observed at any of the monitoring locations in 4Q09.

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

Sincerely,

CORPORATE REMEDIATION GROUP

A handwritten signature in black ink, appearing to read "Paul F. Mazierski".

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
FOURTH QUARTER 2009
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
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March 2010

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APPENDIX B.....GWTF PROCESS SAMPLING RESULTS - FOURTH QUARTER 2009

ATTACHMENT 1

ELECTRONIC COPY OF GROUNDWATER ELEVATION DATA - FOURTH QUARTER 2009

SECTION 1

DATA PACKAGE SUMMARY

1.1 INTRODUCTION

This data package presents a summary of operating and monitoring data collected during the fourth quarter of 2009 (4Q09) 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 eighteenth 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 November 20, 2009.

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 4Q09 is as follows:

	HCS Uptime (%)	Groundwater Treated (gallons)	DNAPL Removed (gallons)
July	96.0	1,270,663	0
August	95.5	1,040,134	0
September	95.8	1,144,610	0
4Q09 Total	96	3,455,407	0

Individual recovery well downtime which exceeded a 24-hour time period during 4Q09 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 fourth quarter associated with routine maintenance.

Monthly DNAPL monitoring was completed on October 30, November 20, and December 29. DNAPL was not observed in RW-5, or any other monitoring location during 4Q09.

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 4Q09. Samples were collected by TestAmerica Laboratories of Amherst, NY on November 20, 2009 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 4Q09 wastewater samples were collected on November 20, 2009. There were no permit limit exceedances in 4Q09. The Necco POTW discharge permit was renewed in May 2009. The current discharge permit is valid from May 1, 2009 to May 1, 2014.

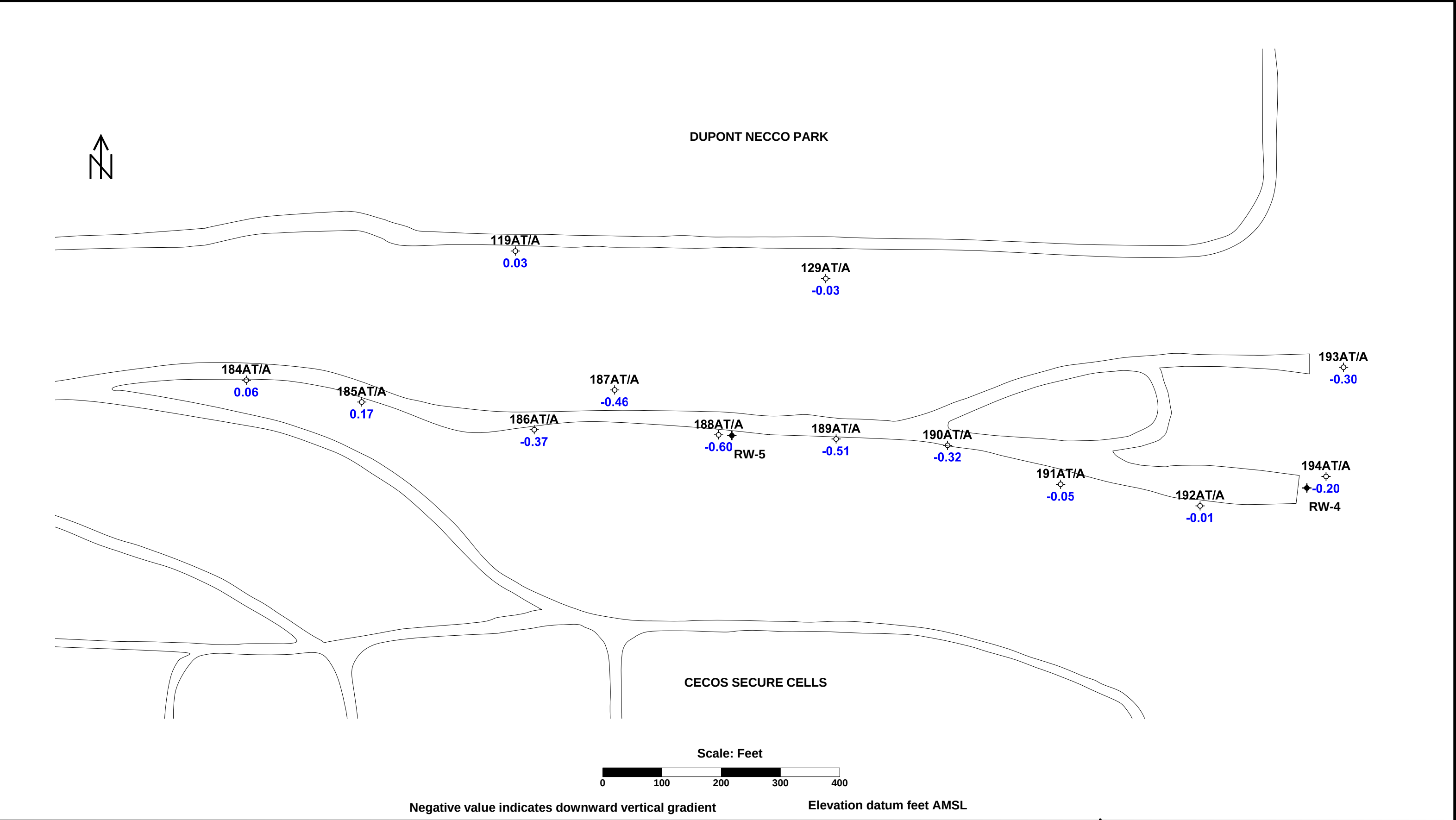
SECTION 2

REFERENCES

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

DuPont Corporate Remediation Group (CRG) DuPont Necco Park - Permit No. 64 Third Quarter 2009 Self-Monitoring Report, August 28, 2009

FIGURES



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40 La Riviere Dr, Suite 350
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Created by	JWS
Checked by	JSP
Approved by	JSP
Project Manager	JSP
Job number:	445357.02021

3B

Well ID

Monitoring Well

Pumping Well

LEGEND

Potentiometric Contour

Structure

Road

Figure 2

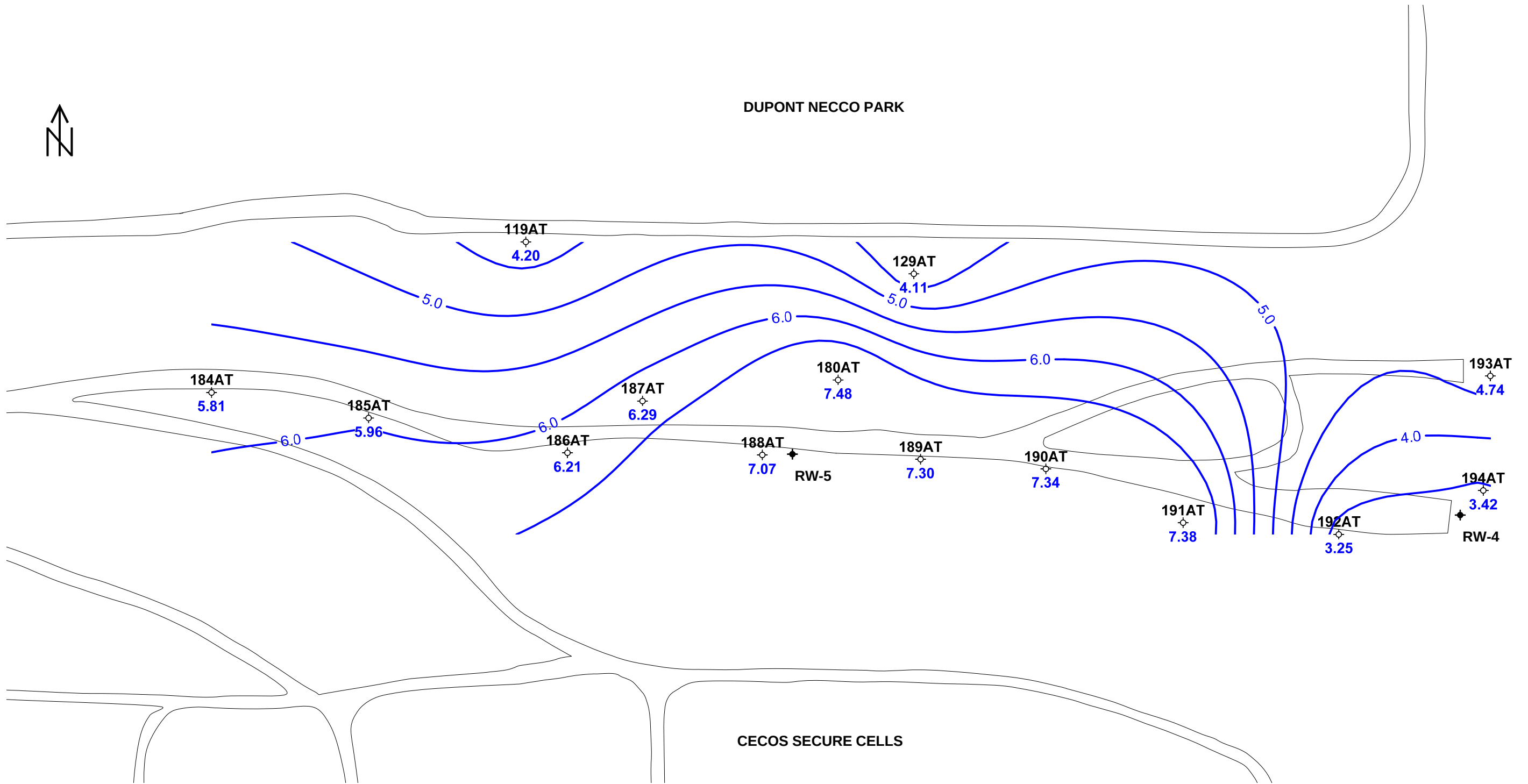
Vertical Gradient: AT-Zone to A-Zone

DuPont Necco Park

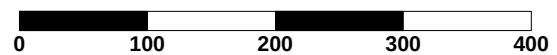
November 20, 2009



DUPONT NECCO PARK



Scale: Feet



Contour Interval = 0.5 feet

Elevation datum feet AMSL

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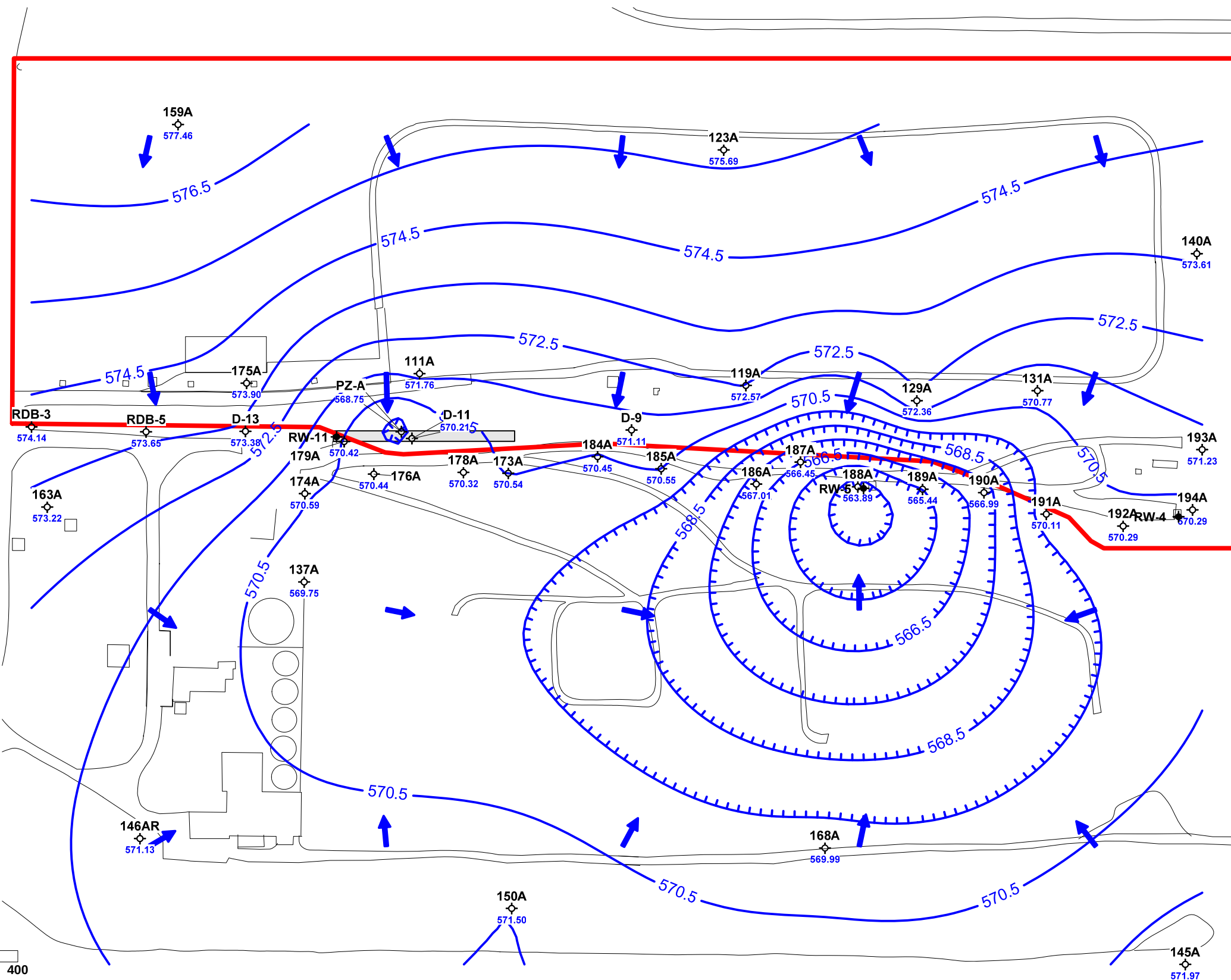
Created by	JWS
Checked by	JSP
Approved by	JSP
Project Manager	JSP
Job number:	445357.02021

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 November 20, 2009



Scale: Feet



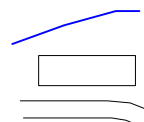
Contour Interval = 1 foot Elevation datum feet AMSL

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Project Manager: JSP	Date: 03-18-10
Job number: 445231.05040	

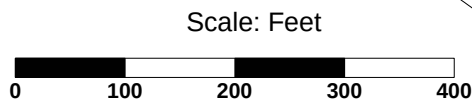
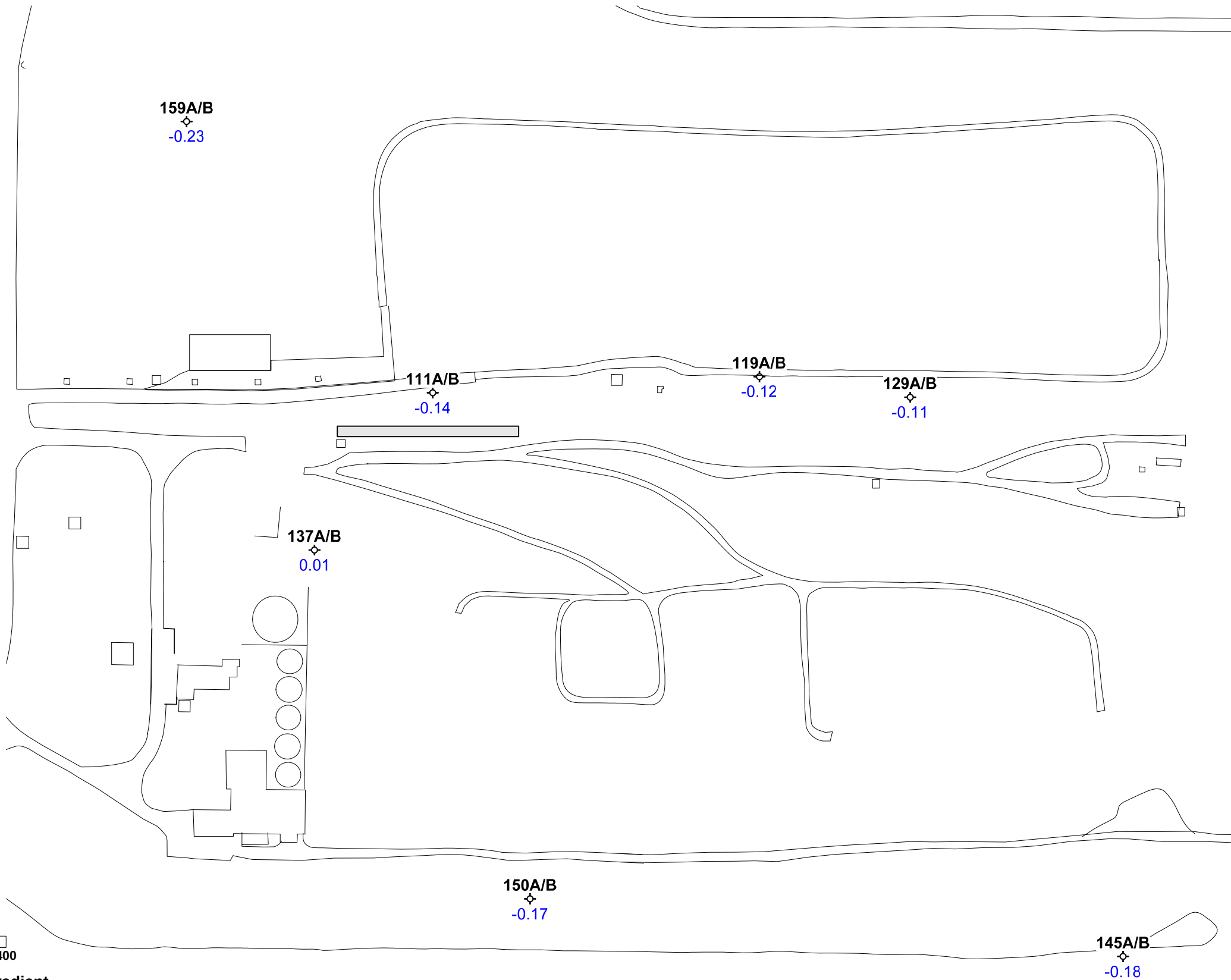
- 3B Well ID
Monitoring Well
Pumping Well



LEGEND

- Potentiometric Contour
Structure
Road
Source Area Delineation
Bedrock Fractured Blast Trench

Figure 4
Potentiometric Surface Map
DuPont Necco Park: A-Zone
November 20, 2009



Negative value indicates downward gradient
Elevation datum feet AMSL

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Job number: 445231.05040	

LEGEND

3B

Well ID



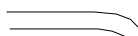
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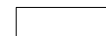
Pumping Well



Potentiometric Contour



Road

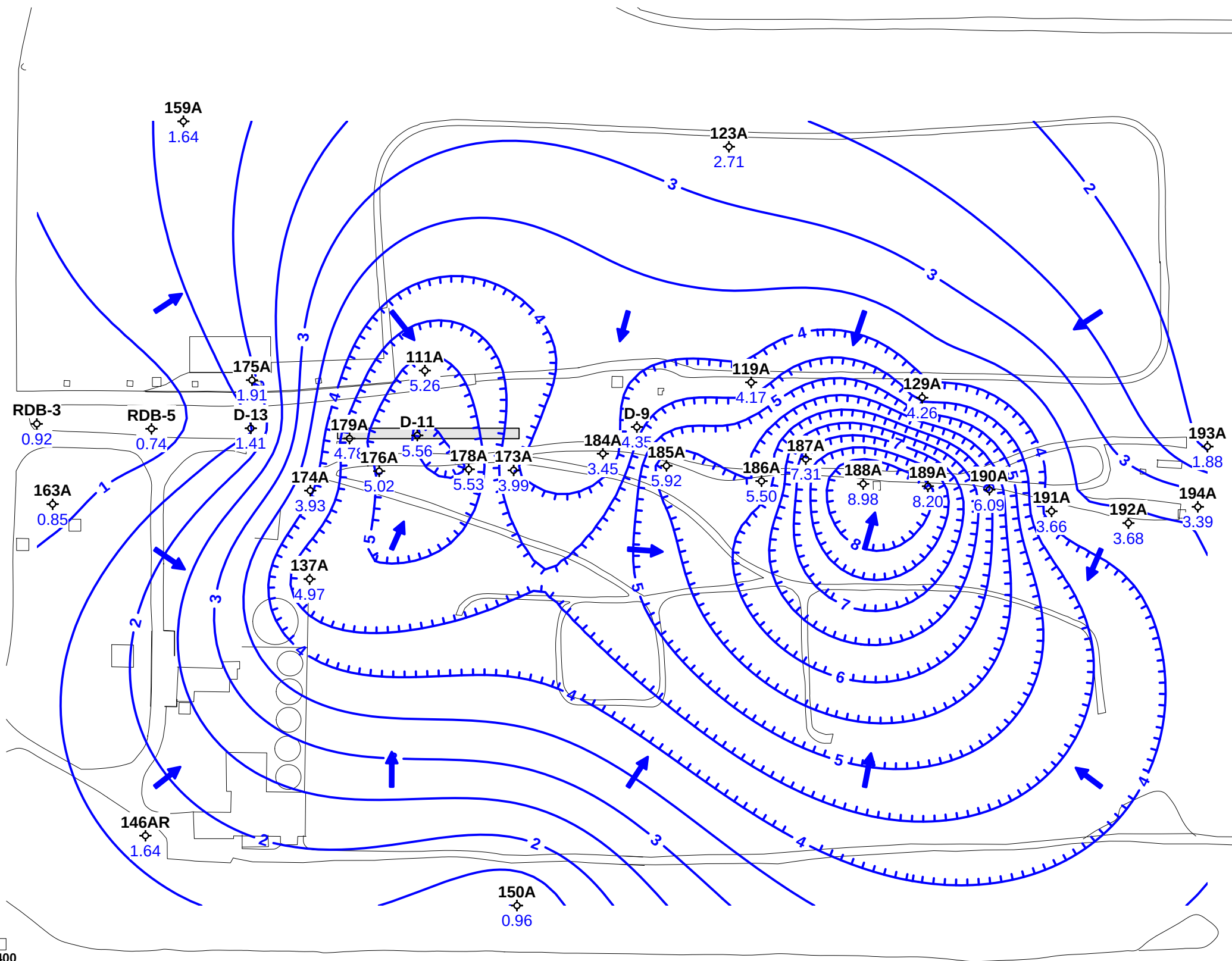


Structure



Bedrock Fractured
Blast Trench

Figure 5
Vertical Gradient: A-Zone to B-Zone
DuPont Necco Park
November 20, 2009



Scale: Feet



Negative value indicates downward gradient
Elevation datum feet AMSL

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Project Manager: JSP	Date: 03-11-10
Job number: 445231.05040	

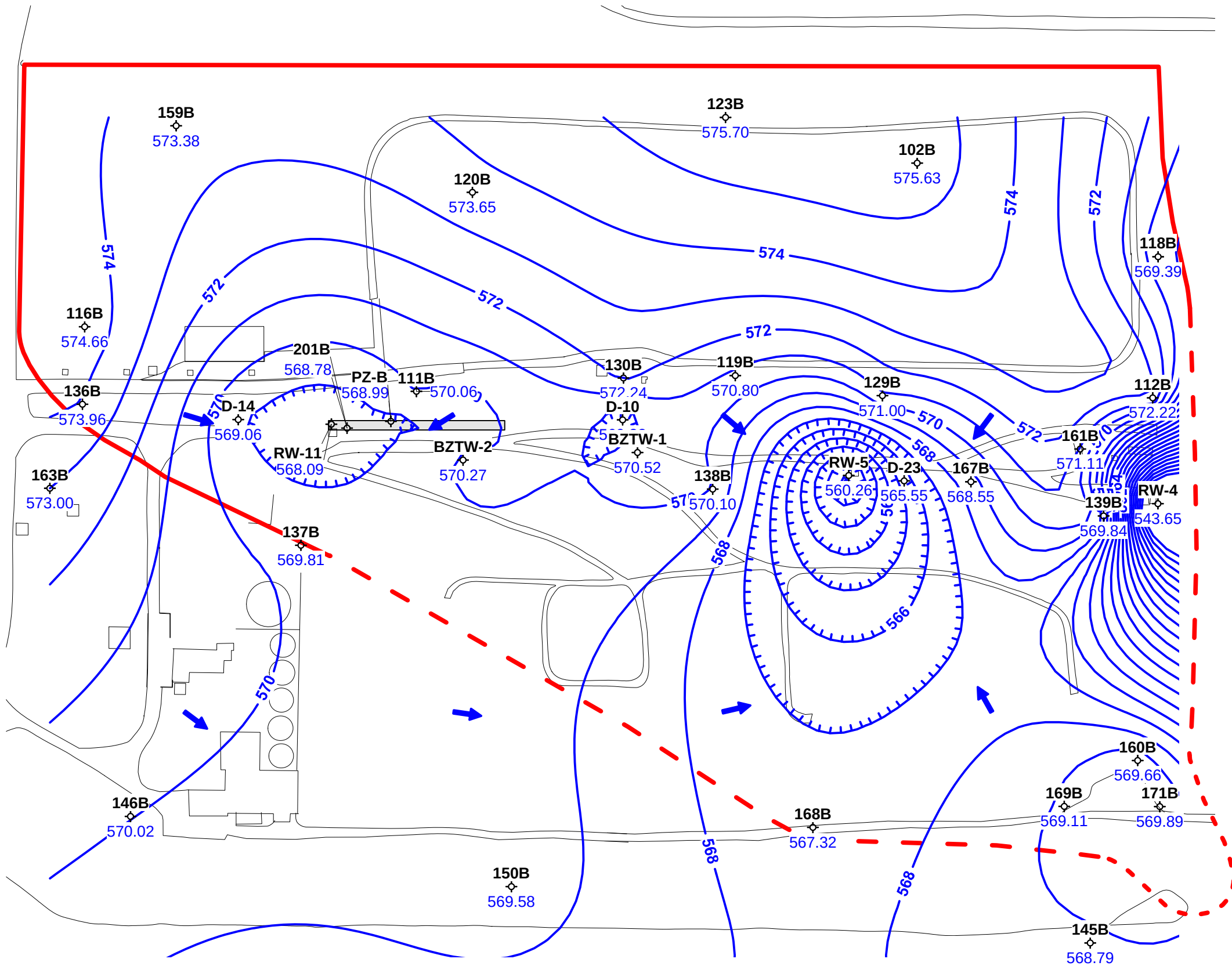
LEGEND

3B Well ID
◇ Monitoring Well
★ Pumping Well

Potentiometric Contour
Road

Structure
Bedrock Fractured Blast Trench

Figure 6
Drawdown Contour Map
DuPont Necco Park: A-Zone
April 5, 2005 (Static) to November 20, 2009



Scale: Feet
0 100 200 300 400
Contour interval = 1.0 foot
Elevation datum feet AMSL

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Project Manager: JSP	Date: 03-11-10
Job number: 445231.05040	

LEGEND

3B

Well ID

Monitoring Well

Pumping Well

Structure

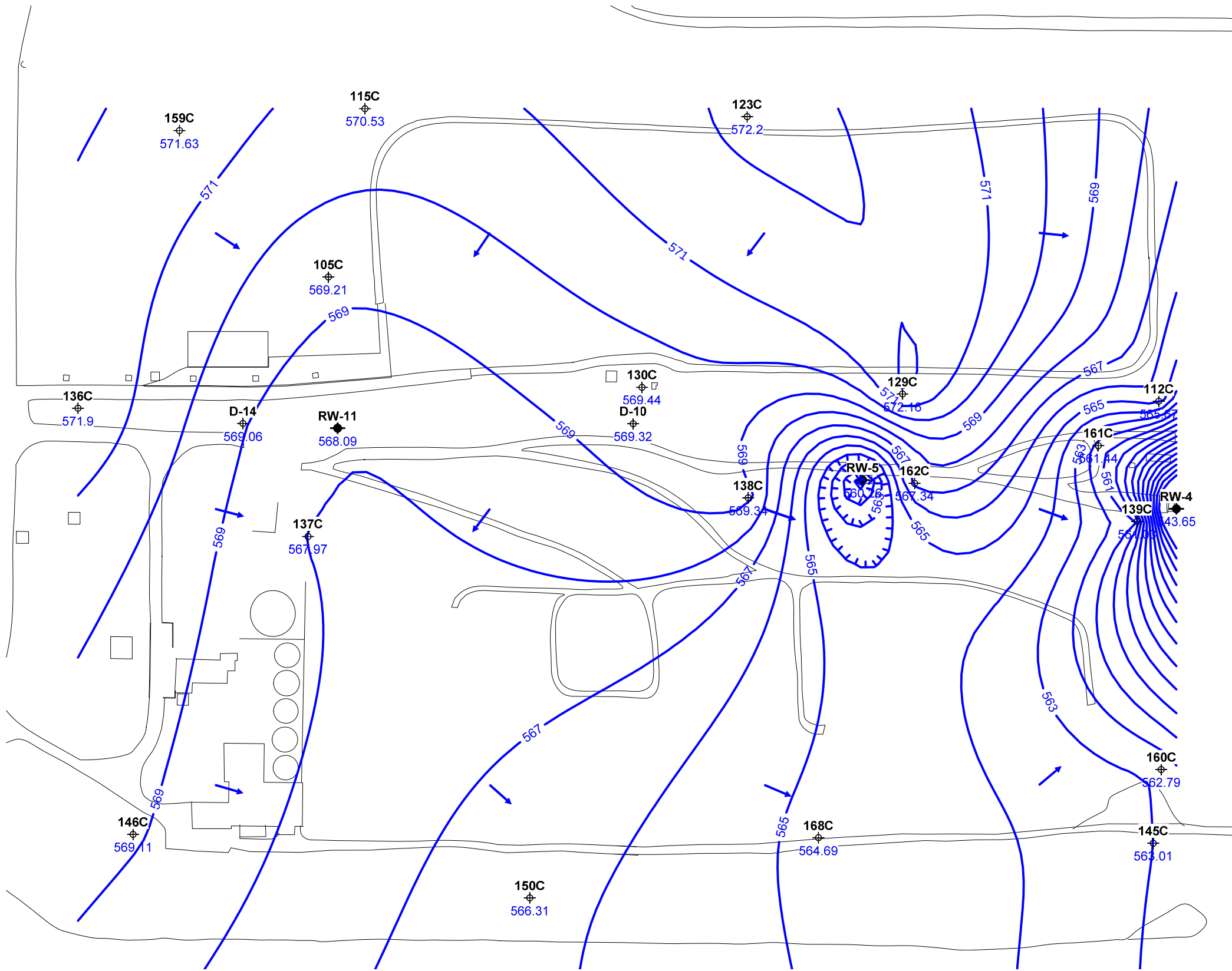
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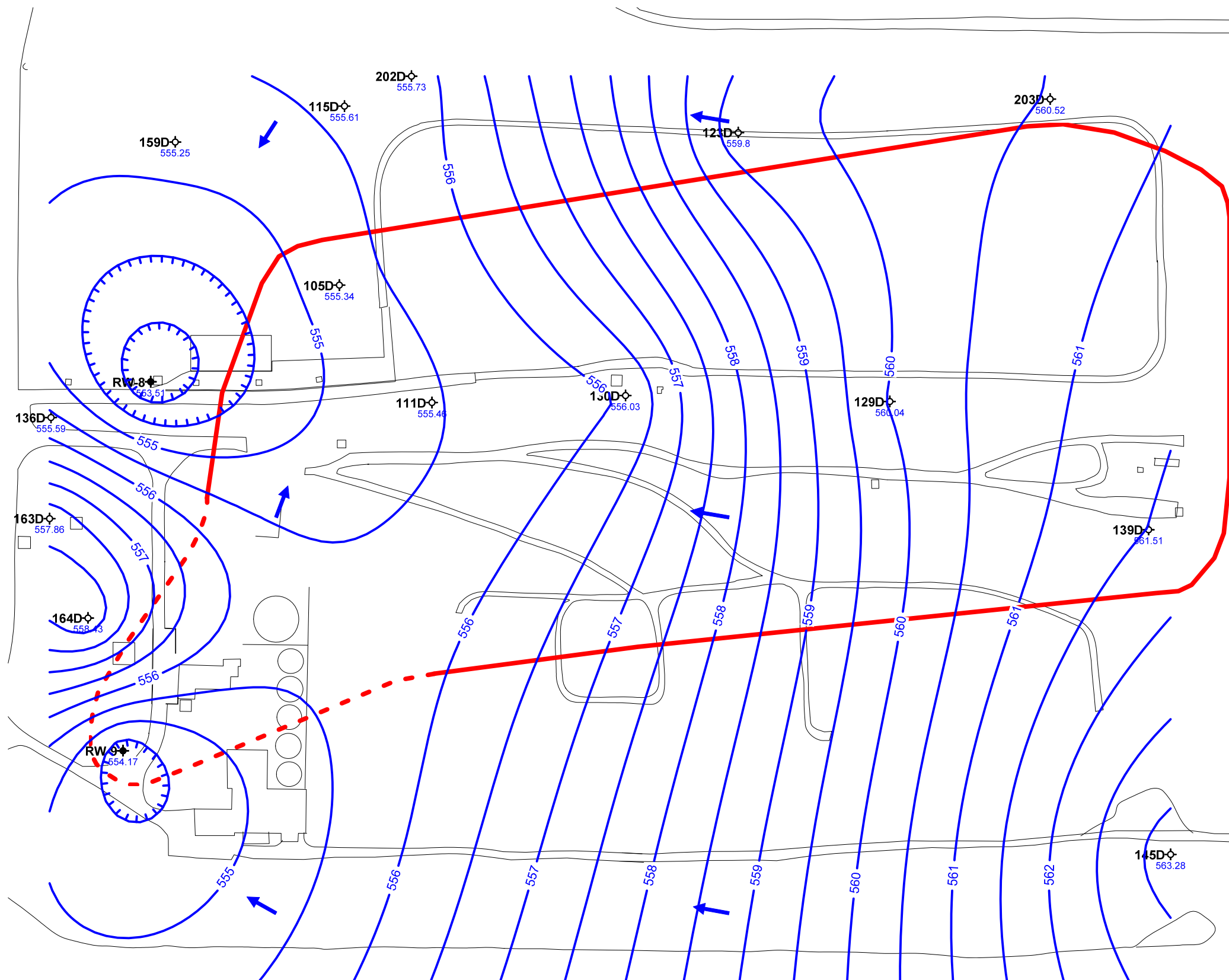
Potentiometric Contour

Source Area Delineation

Bedrock Fractured Blast Trench

Figure 7
Potentiometric Surface Map
DuPont Necco Park: B-Zone
November 20, 2009





Scale: Feet

0 100 200 300 400

Contour interval = 0.5 feet

Elevation datum feet AMSL

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Approved by: JSP	Date: 03-11-10
Project Manager: JSP	Date: 03-11-10
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LEGEND

3B

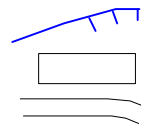
Well ID



Monitoring Well



Pumping Well



Potentiometric Contour

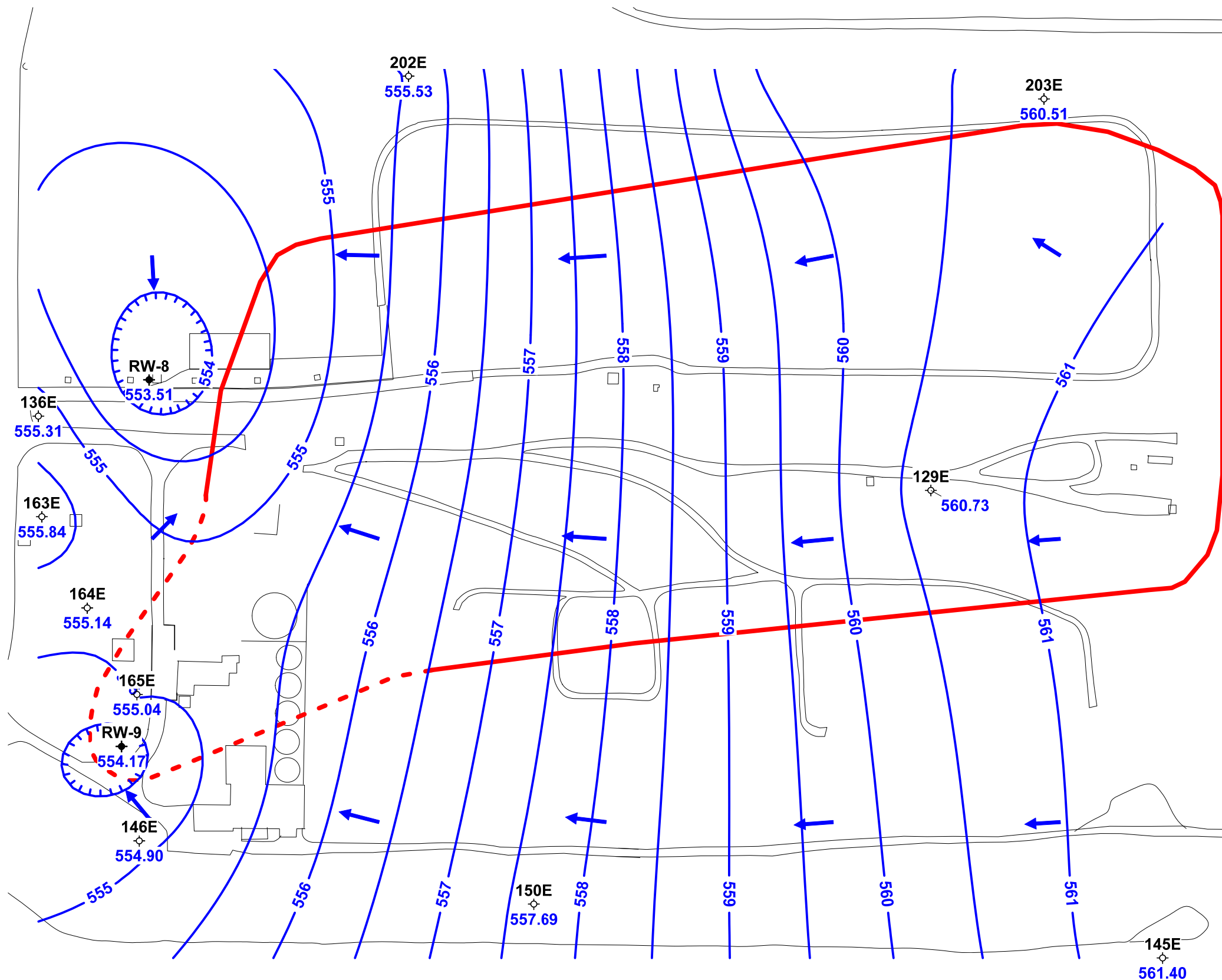
Structure

Road

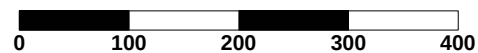


Source Area Delineation

Figure 9
Potentiometric Surface Map
DuPont Necco Park: D-Zone
November 20, 2009



Scale: Feet



Contour interval = 0.5 foot

Elevation datum feet AMSL

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Project Manager: JSP	Date: 03-11-10
Job number: 445231.05040	

LEGEND

3B

Well ID



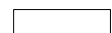
Monitoring Well



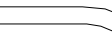
Pumping Well



Potentiometric Contour



Structure

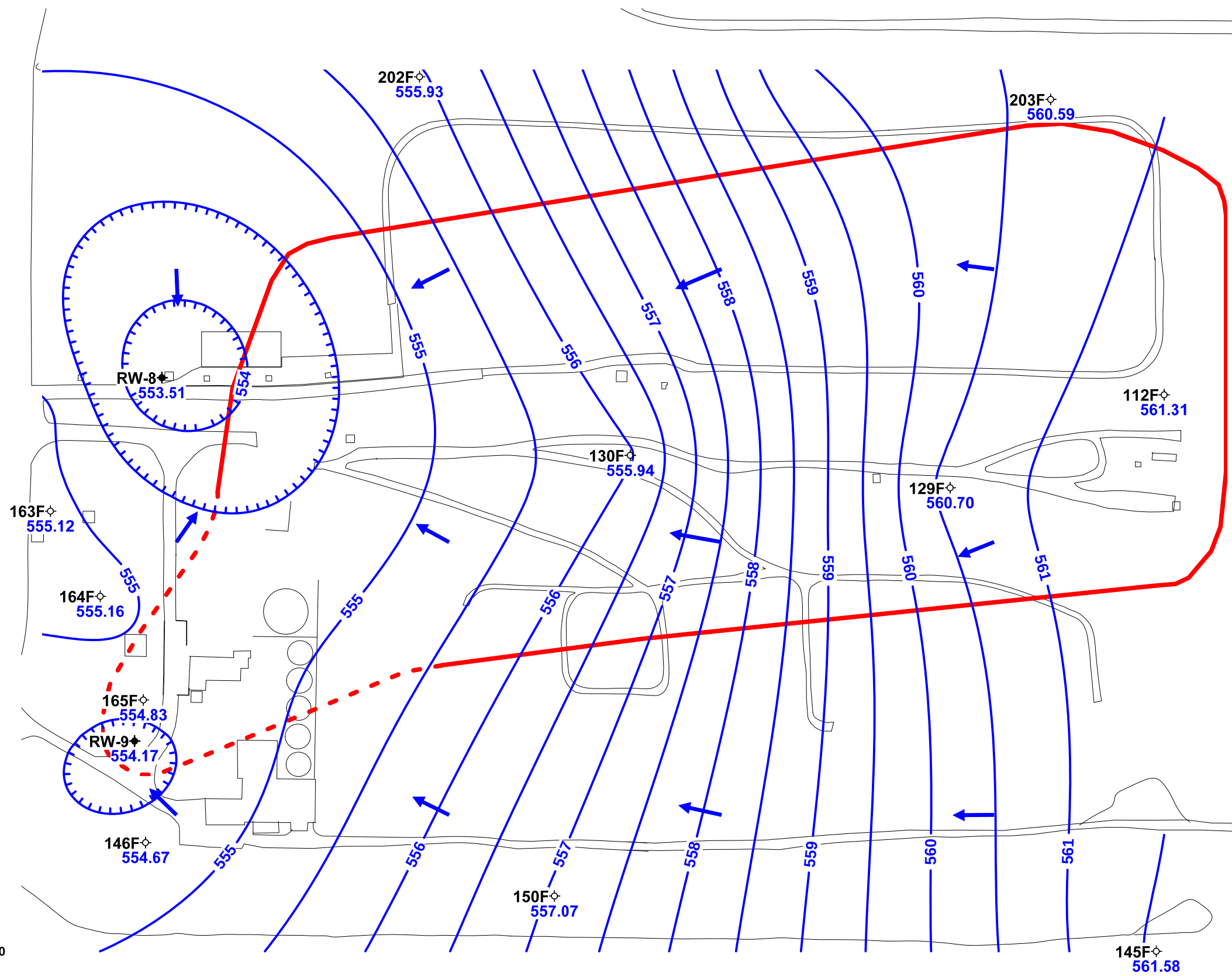


Road



Source Area Delineation

Figure 10
Potentiometric Surface Map
DuPont Necco Park: E-Zone
November 20, 2009



Scale: Feet



Contour interval = 0.5 foot

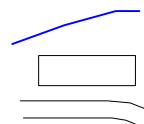
Elevation datum feet AMSL

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Approved by: JSP	Date: 03-11-10
Project Manager: JSP	Date: 03-11-10
Job number: 445231.05040	

- 3B Well ID
Monitoring Well
Pumping Well



LEGEND

- Potentiometric Contour
Structure
Road
Source Area Delineation

Figure 11
Potentiometric Surface Map
DuPont Necco Park: F-Zone
November 20, 2009

TABLES

TABLE 1
Individual Well Shutdown Summary 4Q09
DuPont Necco Park

	Well ID	Date(s)	Length of Shutdown (hours)	Reason for Shutdown	Remarks
October	RW-5	10/4 - 10/6/09	72	Pump Failure	
November	RW-11	11/2/09 & 11/16/09	48	Scheduled maintenance.	
December	None	N/A	N/A	N/A	

TABLE 2
Historical HCS Operational Summary - 4Q09
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
TOTALS	---	---	62,289,878	920
AVERAGE	91.4	92.4	---	---

APPENDIX A

GROUNDWATER ELEVATION DATA

FOURTH QUARTER 2009

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
136F	11/20/09	25.18	580.33	555.15	1109
136G	11/20/09	21.96	579.76	557.80	1110
136E	11/20/09	24.28	579.59	555.31	1111
136D	11/20/09	24.09	579.68	555.59	1112
136C	11/20/09	9.72	581.62	571.90	1113
136B	11/20/09	7.73	581.69	573.96	1114
116B	11/20/09	15.39	590.05	574.66	1142
RW-8	11/20/09	32.01	585.52	553.51	1143
RDB-5	11/20/09	4.92	578.57	573.65	1116
BZTW-4	11/20/09	4.59	578.18	573.59	1117
PZ 200-AT	11/20/09	8.58	586.46	577.88	1243
PZ 199-AT	11/20/09	7.51	584.92	577.41	1245
PZ 198-AT	11/20/09	6.46	583.93	577.47	1247
PZ 197-AT	11/20/09	7.08	584.57	577.49	1249
PZ 196-AT	11/20/09	8.24	585.71	577.47	1251
PZ 195-AT	11/20/09	7.19	584.80	577.61	1253
163A	11/20/09	4.92	578.14	573.22	1130
163B	11/20/09	4.94	577.94	573.00	1129
163D	11/20/09	20.96	578.82	557.86	1128
163E	11/20/09	23.22	579.06	555.84	1127
163F	11/20/09	23.64	578.76	555.12	1126
164D	11/20/09	18.99	577.42	558.43	1120
164E	11/20/09	22.18	577.32	555.14	1121
164F	11/20/09	22.11	577.27	555.16	1122
111A	11/20/09	15.13	586.89	571.76	1147
111B	11/20/09	14.88	584.94	570.06	1148
111D	11/20/09	28.84	584.30	555.46	1149
130B	11/20/09	13.39	585.63	572.24	1151
130C	11/20/09	16.07	585.51	569.44	1152
130D	11/20/09	28.93	584.96	556.03	1153

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
119A	11/20/09	13.77	586.34	572.57	1156
119AT	11/20/09	14.25	586.62	572.37	1155
119B	11/20/09	15.97	586.77	570.80	1157
129A	11/20/09	12.44	584.80	572.36	1204
129AT	11/20/09	12.46	584.94	572.48	1203
129B	11/20/09	14.24	585.24	571.00	1201
129C	11/20/09	13.52	585.68	572.16	1202
129D	11/20/09	25.99	586.03	560.04	1200
131A	11/20/09	14.66	585.43	570.77	1206
112B	11/20/09	9.68	581.90	572.22	1211
112C	11/20/09	17.26	582.93	565.67	1212
118B	11/20/09	14.51	583.90	569.39	1214
117A	11/20/09	7.22	580.52	573.30	1216
158D	11/20/09	36.66	598.20	561.54	1222
102B	11/20/09	23.38	599.01	575.63	1224
123A	11/20/09	22.24	597.93	575.69	1227
123B	11/20/09	20.28	595.98	575.70	1228
123C	11/20/09	23.22	595.42	572.20	1229
123D	11/20/09	36.71	596.51	559.80	1230
123F	11/20/09	39.07	598.57	559.50	1226
120B	11/20/09	25.53	599.18	573.65	1233
136F	11/20/09	25.13	580.33	555.20	1259
136G	11/20/09	21.92	579.76	557.84	1300
RDB-3	11/20/09	5.17	579.31	574.14	1115
112F	11/20/09	21.98	583.29	561.31	1210
141G	11/20/09	29.41	582.53	553.12	1218
175A	11/20/09	12.91	586.81	573.90	1145
140A	11/20/09	7.82	581.43	573.61	1215
142E	11/20/09	25.60	586.00	560.40	1255
142F	11/20/09	25.61	585.69	560.08	1256

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
141C	11/20/09	16.09	580.05	563.96	1219
105C	11/20/09	26.07	595.28	569.21	1325
105D	11/20/09	39.43	594.77	555.34	1326
115C	11/20/09	25.40	595.93	570.53	1327
115D	11/20/09	41.01	596.62	555.61	1328
143G	11/20/09	38.32	591.34	553.02	1329
159A	11/20/09	18.70	596.16	577.46	1331
159B	11/20/09	22.99	596.37	573.38	1332
159C	11/20/09	25.73	597.36	571.63	1333
159D	11/20/09	42.42	597.67	555.25	1334
165D	11/20/09	12.88	577.52	564.64	1255
165E	11/20/09	22.52	577.56	555.04	1256
165F	11/20/09	22.89	577.72	554.83	1257
RW-9	11/20/09	20.96	575.13	554.17	1258
146AR	11/20/09	5.79	576.92	571.13	1301
146B	11/20/09	6.88	576.90	570.02	1302
146C	11/20/09	7.24	576.35	569.11	1303
146E	11/20/09	21.18	576.08	554.90	1304
146F	11/20/09	21.37	576.04	554.67	1305
168A	11/20/09	8.73	578.72	569.99	1308
168B	11/20/09	11.58	578.90	567.32	1309
168C	11/20/09	14.52	579.21	564.69	1310
169B	11/20/09	11.32	580.43	569.11	1312
170B	11/20/09	12.93	579.10	566.17	1313
160B	11/20/09	13.09	582.75	569.66	1315
160C	11/20/09	19.93	582.72	562.79	1316
171B	11/20/09	9.65	579.54	569.89	1318
145C	11/20/09	12.89	575.90	563.01	1320
145D	11/20/09	12.77	576.05	563.28	1321
150A	11/20/09	4.36	575.86	571.50	1230

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
150B	11/20/09	6.41	575.99	569.58	1231
150C	11/20/09	9.82	576.13	566.31	1232
150E	11/20/09	18.46	576.15	557.69	1233
150F	11/20/09	18.91	575.98	557.07	1234
145A	11/20/09	3.87	575.84	571.97	1248
145B	11/20/09	6.69	575.48	568.79	1249
145E	11/20/09	14.58	575.98	561.40	1240
145F	11/20/09	14.47	576.05	561.58	1241
172B	11/20/09	7.73	576.95	569.22	1242
148D	11/20/09	8.72	579.38	570.66	1212
148F	11/20/09	23.32	576.21	552.89	1210
151B	11/20/09	7.46	573.36	565.90	1132
151C	11/20/09	7.73	573.18	565.45	1133
149B	11/20/09	5.23	572.87	567.64	1145
149C	11/20/09	6.10	573.26	567.16	1146
149D	11/20/09	16.95	572.86	555.91	1147
PZ-A	11/20/09	10.31	579.06	568.75	1124
PZ-B	11/20/09	10.48	579.47	568.99	1125
RW-11	11/20/09	10.69	578.78	568.09	1118
TRW-7	11/20/09	7.84	577.89	570.05	1109
174A	11/20/09	7.03	577.62	570.59	1110
176A	11/20/09	9.59	580.03	570.44	1123
RW-10	11/20/09	10.69	577.90	567.21	1118
179A	11/20/09	8.59	579.01	570.42	1120
D-11	11/20/09	7.86	578.07	570.21	1126
BZTW-2	11/20/09	9.11	579.38	570.27	1128
178A	11/20/09	9.60	579.92	570.32	1127
173A	11/20/09	10.17	580.71	570.54	1129
TRW-6	11/20/09	9.95	580.21	570.26	1130
184AT	11/20/09	9.57	579.69	570.12	1132

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
184A	11/20/09	9.43	579.88	570.45	1133
130G	11/20/09	27.35	580.79	553.44	1135
130F	11/20/09	25.55	581.49	555.94	1136
D-10	11/20/09	10.70	580.02	569.32	1138
D-9	11/20/09	9.04	580.15	571.11	1137
BZTW-1	11/20/09	9.15	579.67	570.52	1139
185AT	11/20/09	10.61	580.69	570.08	1141
185A	11/20/09	10.29	580.84	570.55	1140
186AT	11/20/09	9.99	580.10	570.11	11745
186A	11/20/09	12.75	579.76	567.01	1146
138C	11/20/09	17.72	587.06	569.34	1144
138B	11/20/09	13.88	583.98	570.10	1143
187AT	11/20/09	8.98	579.30	570.32	1147
187A	11/20/09	13.49	579.94	566.45	1148
188AT	11/20/09	9.96	580.59	570.63	1150
188A	11/20/09	17.02	580.91	563.89	1149
53	11/20/09	2.51	578.20	575.69	1153
180AT	11/20/09	9.13	579.47	570.34	1152
189AT	11/20/09	9.65	580.40	570.75	1157
189A	11/20/09	14.38	579.82	565.44	1155
RW-5	11/20/09	18.62	578.88	560.26	1151
162C	11/20/09	13.66	581.00	567.34	1154
129F	11/20/09	20.66	581.36	560.70	1159
129E	11/20/09	20.15	580.88	560.73	1158
D-23	11/20/09	15.00	580.55	565.55	1156
190AT	11/20/09	10.24	580.92	570.68	1201
190A	11/20/09	13.59	580.58	566.99	1200
167B	11/20/09	12.38	580.93	568.55	1202
191AT	11/20/09	10.42	581.06	570.64	1205
191A	11/20/09	10.51	580.62	570.11	1204

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
192AT	11/20/09	14.10	584.46	570.36	1209
192A	11/20/09	13.79	584.08	570.29	1208
194AT	11/20/09	12.15	584.93	572.78	1215
194A	11/20/09	14.06	584.35	570.29	1214
161C	11/20/09	21.20	582.64	561.44	1219
161B	11/20/09	11.73	582.84	571.11	1220
193AT	11/20/09	8.11	583.09	574.98	1218
193A	11/20/09	12.90	584.13	571.23	1217
139D	11/20/09	23.98	585.49	561.51	1213
139C	11/20/09	24.24	585.27	561.03	1212
139B	11/20/09	15.55	585.39	569.84	1211
139A	11/20/09	14.09	585.14	571.05	1206
RW-4	11/20/09	37.87	581.52	543.65	1216
D-13	11/20/09	5.69	579.07	573.38	1227
D-14	11/20/09	9.95	579.01	569.06	1228
137A	11/20/09	8.72	578.47	569.75	1117
137B	11/20/09	8.50	578.31	569.81	1115
137C	11/20/09	10.42	578.39	567.97	1114
137D	11/20/09	13.38	579.09	565.71	1116
201B	11/20/09	10.47	579.25	568.78	1121
202D	11/20/09	37.00	592.73	555.73	1247
202E	11/20/09	37.20	592.73	555.53	1248
202F	11/20/09	36.80	592.73	555.93	1245
203D	11/20/09	33.33	593.85	560.52	1252
203E	11/20/09	33.34	593.85	560.51	1253
203F	11/20/09	33.26	593.85	560.59	1254
204C	11/20/09	20.12	581.77	561.65	1218

APPENDIX B

GWTF PROCESS SAMPLING RESULTS

FOURTH QUARTER 2009

Appendix B: Summary of Analytical Results - 4Q09

DuPont Necco Park

LabAnalyte	Location Date Units	BC-INFLUENT 11/20/09 FS	DEF-INFLUENT 11/20/09 FS	COMB-EFFLUENT 11/20/09 FS	FILTER-BLK 11/20/09 EB	TBLK 11/20/09 TB
Field Parameters						
COLOR QUALITATIVE (FIELD)	NS	grey	grey	grey	NS	NS
ODOR (FIELD)	NS	moderate	moderate	slight	NS	NS
PH (FIELD)	STD UNITS	5.5	6.87	5.41	NS	NS
REDOX (FIELD)	MV	-123	-227	-43	NS	NS
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	11330	4442	7700	NS	NS
TEMPERATURE (FIELD)	DEGREES C	13.5	12.4	14.1	NS	NS
TURBIDITY QUANTITATIVE (FIELD)	NTU	116	65.9	120	NS	NS
Volatile Organics						
1,1,2,2-TETRACHLOROETHANE	UG/L	2200 J	1500 J	900 J	NS	<0.18 UJ
1,1,2-TRICHLOROETHANE	UG/L	2100	2700	610	NS	<0.27
1,1-DICHLOROETHENE	UG/L	340	320 J	<19	NS	<0.19
1,2-DICHLOROETHANE	UG/L	460	240 J	58 J	NS	<0.22
CARBON TETRACHLORIDE	UG/L	920	1300	<13	NS	<0.13
CHLOROFORM	UG/L	13000	4800	410	NS	<0.16
CIS-1,2-DICHLOROETHENE	UG/L	5900	13000	280	NS	<0.17
METHYLENE CHLORIDE	UG/L	2200	5800	110	NS	<0.33
TETRACHLOROETHENE	UG/L	3500 J	1800 J	64 J	NS	<0.29
TRANS-1,2-DICHLOROETHENE	UG/L	340	850	<19	NS	<0.19
TRICHLOROETHENE	UG/L	12000	8800	170	NS	<0.17
VINYL CHLORIDE	UG/L	2000	1900	<22	NS	<0.22
Semivolatile Organics						
2,4,5-TRICHLOROPHENOL	UG/L	100 J	360	280	NS	NS
2,4,6-TRICHLOROPHENOL	UG/L	<80	180 J	140	NS	NS
3- & 4-METHYLPHENOL	UG/L	150 J	16 J	<0.75	NS	NS
HEXACHLOROBENZENE	UG/L	<10	<2	<1.2	NS	NS
HEXACHLOROBUTADIENE	UG/L	3100	40 J	350	NS	NS
HEXACHLOROETHANE	UG/L	390 J	<16	29 J	NS	NS
PENTACHLOROPHENOL	UG/L	<240	770 J	610 J	NS	NS
PHENOL	UG/L	200 J	41 J	98 J	NS	NS
TIC 1	UG/L	2700 J	580 J	730 J	NS	NS
Inorganics						
BARIUM, DISSOLVED	UG/L	116000	91 J	510	NS	NS
BARIUM, TOTAL	UG/L	275000	83 J	48900	<0.67	NS
SULFATE	UG/L	4500	826000	377000	NS	NS
CYANIDE, TOTAL	UG/L	9200 J	120 J	740 J	NS	NS
Total Volatiles	UG/L	39260	39150	1580	0	0

ATTACHMENTS

NECCO PARK 4Q09 WATER LEVELS

(ELECTRONIC FORMAT ONLY)

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
136F	11/20/09	25.18	580.33	555.15	1109
136G	11/20/09	21.96	579.76	557.80	1110
136E	11/20/09	24.28	579.59	555.31	1111
136D	11/20/09	24.09	579.68	555.59	1112
136C	11/20/09	9.72	581.62	571.90	1113
136B	11/20/09	7.73	581.69	573.96	1114
116B	11/20/09	15.39	590.05	574.66	1142
RW-8	11/20/09	32.01	585.52	553.51	1143
RDB-5	11/20/09	4.92	578.57	573.65	1116
BZTW-4	11/20/09	4.59	578.18	573.59	1117
PZ 200-AT	11/20/09	8.58	586.46	577.88	1243
PZ 199-AT	11/20/09	7.51	584.92	577.41	1245
PZ 198-AT	11/20/09	6.46	583.93	577.47	1247
PZ 197-AT	11/20/09	7.08	584.57	577.49	1249
PZ 196-AT	11/20/09	8.24	585.71	577.47	1251
PZ 195-AT	11/20/09	7.19	584.80	577.61	1253
163A	11/20/09	4.92	578.14	573.22	1130
163B	11/20/09	4.94	577.94	573.00	1129
163D	11/20/09	20.96	578.82	557.86	1128
163E	11/20/09	23.22	579.06	555.84	1127
163F	11/20/09	23.64	578.76	555.12	1126
164D	11/20/09	18.99	577.42	558.43	1120
164E	11/20/09	22.18	577.32	555.14	1121
164F	11/20/09	22.11	577.27	555.16	1122
111A	11/20/09	15.13	586.89	571.76	1147
111B	11/20/09	14.88	584.94	570.06	1148
111D	11/20/09	28.84	584.30	555.46	1149
130B	11/20/09	13.39	585.63	572.24	1151
130C	11/20/09	16.07	585.51	569.44	1152
130D	11/20/09	28.93	584.96	556.03	1153

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
119A	11/20/09	13.77	586.34	572.57	1156
119AT	11/20/09	14.25	586.62	572.37	1155
119B	11/20/09	15.97	586.77	570.80	1157
129A	11/20/09	12.44	584.80	572.36	1204
129AT	11/20/09	12.46	584.94	572.48	1203
129B	11/20/09	14.24	585.24	571.00	1201
129C	11/20/09	13.52	585.68	572.16	1202
129D	11/20/09	25.99	586.03	560.04	1200
131A	11/20/09	14.66	585.43	570.77	1206
112B	11/20/09	9.68	581.90	572.22	1211
112C	11/20/09	17.26	582.93	565.67	1212
118B	11/20/09	14.51	583.90	569.39	1214
117A	11/20/09	7.22	580.52	573.30	1216
158D	11/20/09	36.66	598.20	561.54	1222
102B	11/20/09	23.38	599.01	575.63	1224
123A	11/20/09	22.24	597.93	575.69	1227
123B	11/20/09	20.28	595.98	575.70	1228
123C	11/20/09	23.22	595.42	572.20	1229
123D	11/20/09	36.71	596.51	559.80	1230
123F	11/20/09	39.07	598.57	559.50	1226
120B	11/20/09	25.53	599.18	573.65	1233
136F	11/20/09	25.13	580.33	555.20	1259
136G	11/20/09	21.92	579.76	557.84	1300
RDB-3	11/20/09	5.17	579.31	574.14	1115
112F	11/20/09	21.98	583.29	561.31	1210
141G	11/20/09	29.41	582.53	553.12	1218
175A	11/20/09	12.91	586.81	573.90	1145
140A	11/20/09	7.82	581.43	573.61	1215
142E	11/20/09	25.60	586.00	560.40	1255
142F	11/20/09	25.61	585.69	560.08	1256

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
141C	11/20/09	16.09	580.05	563.96	1219
105C	11/20/09	26.07	595.28	569.21	1325
105D	11/20/09	39.43	594.77	555.34	1326
115C	11/20/09	25.40	595.93	570.53	1327
115D	11/20/09	41.01	596.62	555.61	1328
143G	11/20/09	38.32	591.34	553.02	1329
159A	11/20/09	18.70	596.16	577.46	1331
159B	11/20/09	22.99	596.37	573.38	1332
159C	11/20/09	25.73	597.36	571.63	1333
159D	11/20/09	42.42	597.67	555.25	1334
165D	11/20/09	12.88	577.52	564.64	1255
165E	11/20/09	22.52	577.56	555.04	1256
165F	11/20/09	22.89	577.72	554.83	1257
RW-9	11/20/09	20.96	575.13	554.17	1258
146AR	11/20/09	5.79	576.92	571.13	1301
146B	11/20/09	6.88	576.90	570.02	1302
146C	11/20/09	7.24	576.35	569.11	1303
146E	11/20/09	21.18	576.08	554.90	1304
146F	11/20/09	21.37	576.04	554.67	1305
168A	11/20/09	8.73	578.72	569.99	1308
168B	11/20/09	11.58	578.90	567.32	1309
168C	11/20/09	14.52	579.21	564.69	1310
169B	11/20/09	11.32	580.43	569.11	1312
170B	11/20/09	12.93	579.10	566.17	1313
160B	11/20/09	13.09	582.75	569.66	1315
160C	11/20/09	19.93	582.72	562.79	1316
171B	11/20/09	9.65	579.54	569.89	1318
145C	11/20/09	12.89	575.90	563.01	1320
145D	11/20/09	12.77	576.05	563.28	1321
150A	11/20/09	4.36	575.86	571.50	1230

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
150B	11/20/09	6.41	575.99	569.58	1231
150C	11/20/09	9.82	576.13	566.31	1232
150E	11/20/09	18.46	576.15	557.69	1233
150F	11/20/09	18.91	575.98	557.07	1234
145A	11/20/09	3.87	575.84	571.97	1248
145B	11/20/09	6.69	575.48	568.79	1249
145E	11/20/09	14.58	575.98	561.40	1240
145F	11/20/09	14.47	576.05	561.58	1241
172B	11/20/09	7.73	576.95	569.22	1242
148D	11/20/09	8.72	579.38	570.66	1212
148F	11/20/09	23.32	576.21	552.89	1210
151B	11/20/09	7.46	573.36	565.90	1132
151C	11/20/09	7.73	573.18	565.45	1133
149B	11/20/09	5.23	572.87	567.64	1145
149C	11/20/09	6.10	573.26	567.16	1146
149D	11/20/09	16.95	572.86	555.91	1147
PZ-A	11/20/09	10.31	579.06	568.75	1124
PZ-B	11/20/09	10.48	579.47	568.99	1125
RW-11	11/20/09	10.69	578.78	568.09	1118
TRW-7	11/20/09	7.84	577.89	570.05	1109
174A	11/20/09	7.03	577.62	570.59	1110
176A	11/20/09	9.59	580.03	570.44	1123
RW-10	11/20/09	10.69	577.90	567.21	1118
179A	11/20/09	8.59	579.01	570.42	1120
D-11	11/20/09	7.86	578.07	570.21	1126
BZTW-2	11/20/09	9.11	579.38	570.27	1128
178A	11/20/09	9.60	579.92	570.32	1127
173A	11/20/09	10.17	580.71	570.54	1129
TRW-6	11/20/09	9.95	580.21	570.26	1130
184AT	11/20/09	9.57	579.69	570.12	1132

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
184A	11/20/09	9.43	579.88	570.45	1133
130G	11/20/09	27.35	580.79	553.44	1135
130F	11/20/09	25.55	581.49	555.94	1136
D-10	11/20/09	10.70	580.02	569.32	1138
D-9	11/20/09	9.04	580.15	571.11	1137
BZTW-1	11/20/09	9.15	579.67	570.52	1139
185AT	11/20/09	10.61	580.69	570.08	1141
185A	11/20/09	10.29	580.84	570.55	1140
186AT	11/20/09	9.99	580.10	570.11	11745
186A	11/20/09	12.75	579.76	567.01	1146
138C	11/20/09	17.72	587.06	569.34	1144
138B	11/20/09	13.88	583.98	570.10	1143
187AT	11/20/09	8.98	579.30	570.32	1147
187A	11/20/09	13.49	579.94	566.45	1148
188AT	11/20/09	9.96	580.59	570.63	1150
188A	11/20/09	17.02	580.91	563.89	1149
53	11/20/09	2.51	578.20	575.69	1153
180AT	11/20/09	9.13	579.47	570.34	1152
189AT	11/20/09	9.65	580.40	570.75	1157
189A	11/20/09	14.38	579.82	565.44	1155
RW-5	11/20/09	18.62	578.88	560.26	1151
162C	11/20/09	13.66	581.00	567.34	1154
129F	11/20/09	20.66	581.36	560.70	1159
129E	11/20/09	20.15	580.88	560.73	1158
D-23	11/20/09	15.00	580.55	565.55	1156
190AT	11/20/09	10.24	580.92	570.68	1201
190A	11/20/09	13.59	580.58	566.99	1200
167B	11/20/09	12.38	580.93	568.55	1202
191AT	11/20/09	10.42	581.06	570.64	1205
191A	11/20/09	10.51	580.62	570.11	1204

**DuPont Necco Park
Water Levels
4Q2009**

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
192AT	11/20/09	14.10	584.46	570.36	1209
192A	11/20/09	13.79	584.08	570.29	1208
194AT	11/20/09	12.15	584.93	572.78	1215
194A	11/20/09	14.06	584.35	570.29	1214
161C	11/20/09	21.20	582.64	561.44	1219
161B	11/20/09	11.73	582.84	571.11	1220
193AT	11/20/09	8.11	583.09	574.98	1218
193A	11/20/09	12.90	584.13	571.23	1217
139D	11/20/09	23.98	585.49	561.51	1213
139C	11/20/09	24.24	585.27	561.03	1212
139B	11/20/09	15.55	585.39	569.84	1211
139A	11/20/09	14.09	585.14	571.05	1206
RW-4	11/20/09	37.87	581.52	543.65	1216
D-13	11/20/09	5.69	579.07	573.38	1227
D-14	11/20/09	9.95	579.01	569.06	1228
137A	11/20/09	8.72	578.47	569.75	1117
137B	11/20/09	8.50	578.31	569.81	1115
137C	11/20/09	10.42	578.39	567.97	1114
137D	11/20/09	13.38	579.09	565.71	1116
201B	11/20/09	10.47	579.25	568.78	1121
202D	11/20/09	37.00	592.73	555.73	1247
202E	11/20/09	37.20	592.73	555.53	1248
202F	11/20/09	36.80	592.73	555.93	1245
203D	11/20/09	33.33	593.85	560.52	1252
203E	11/20/09	33.34	593.85	560.51	1253
203F	11/20/09	33.26	593.85	560.59	1254
204C	11/20/09	20.12	581.77	561.65	1218