SOURCE AREA HYDRAULIC CONTROL
THIRD 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

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November 2010

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ELECTRONIC COPY OF GROUNDWATER ELEVATION DATA - THIRD QUARTER 2010

SECTION 1

DATA PACKAGE SUMMARY

1.1 INTRODUCTION

This data package presents a summary of operating and monitoring data collected during the third quarter of 2010 (3Q10) 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 twenty-first 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 August 13, 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 3Q10 is as follows:

	HCS Uptime (%)	Groundwater Treated (gallons)	DNAPL Removed (gallons)
July	100	1,121,655	0
August	100	1,105,692	0
September	100	1,170,731	0
3Q10 Total	**100**	**3,398,078**	**0**

Individual recovery well downtime which exceeded a 24-hour time period during 3Q10 is summarized in Table 1. Unscheduled downtime during the quarter included nine days in July to complete repairs to the RW-11 acid feed line, one day for RW-5 in September due to pump failure, and two days for RW-4 due to pump failure. No unscheduled downtime occurred during August 2010. The only scheduled well downtime for the quarter was for a pumping well cleaning event at RW-5 on September 21 and 22. A historical operational summary by quarter since HCS operations began is provided in Table 2. No HCS downtime occurred during the third quarter.

Monthly DNAPL monitoring was completed on July 12, August 30, and September 24. No DNAPL was observed during the quarter

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 3Q10. Samples were collected by TestAmerica Laboratories of Amherst, NY on August 13, 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 3Q10 wastewater samples were collected on August 13, 2010. There were no permit limit exceedances in 3Q10. 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 3Q10
DuPont Necco Park

	Well ID	Date(s)	Length of Shutdown (hours)	Reason for Shutdown	Remarks
July	RW-11	July 19 through July 27	216	Complete repairs to acid line.	Unscheduled
August	None	N/A	N/A	N/A	
September	RW-5	September 13	24	Pump failure.	Unscheduled
September	RW-5	September 21 and 22	48	RW-5 cleaning event	Scheduled
September	RW-4	September 23 and 24	48	Pump failure.	Unscheduled

Table 2
Historical HCS Operational Summary - 3Q10
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
2Q10	77.0	100.0	3,259,485	0
3Q10	100.0	100.0	3,398,078	0
TOTALS	**---**	**---**	**72,868,919**	**1010**
AVERAGE	**91.4**	**93.3**	**---**	**---**

FIGURES

DUPONT NECCO PARK

119AT
572.64

129AT
572.69

184AT
569.89

185AT
569.87

186AT
569.79

187AT
569.98

188AT
570.46

180AT
570.43

189AT
570.43

190AT
570.43

191AT
570.54

192AT
570.43

193AT
573.67

194AT
573.01

571.5
571
570.5
572
571.5
570.5
570
570.5
571
571.5
572
572.5
573

CECOS SECURE CELLS

Scale: Feet

0 100 200 300 400

Contour Interval = 0.5 feet

Elevation datum feet AMSL

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Job number: 445357.02021	

LEGEND

3B Well ID

Monitoring Well

Pumping Well

Potentiometric Contour

Structure

Road

Figure 1
Potentiometric Surface Map
DuPont Necco Park: AT-Zone
August 13, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010-08-13 NEC Contour Tool

DUPONT NECCO PARK

119AT/A
0.03

129AT/A
0.02

184AT/A
0.06

185AT/A
0.15

187AT/A
-0.56

186AT/A
-0.39

188AT/A
-0.72

189AT/A
-0.52

190AT/A
-0.36

193AT/A

191AT/A
-0.04

194AT/A
-0.24

192AT/A
-0.02

CECOS SECURE CELLS

Scale: Feet

0 100 200 300 400

Well 193A inaccessible at time of measurements

Negative value indicates downward vertical gradient

Elevation datum feet AMSL

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Checked by	EAF/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
August 13, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010-08-13 NEC Contour Tool

DUPONT NECCO PARK

119AT 3.93

129AT 3.90

184AT 6.04

185AT 6.17

186AT 6.53

187AT 6.63

188AT 7.24

189AT 7.62

190AT 7.59

180AT 7.39

191AT 7.48

192AT 3.18

193AT 6.05

194AT 3.19

CECOS SECURE CELLS

Scale: Feet

0 100 200 300 400

Contour Interval = 0.5 feet

Elevation datum feet AMSL

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LEGEND

3B Well ID

Monitoring Well

Pumping Well

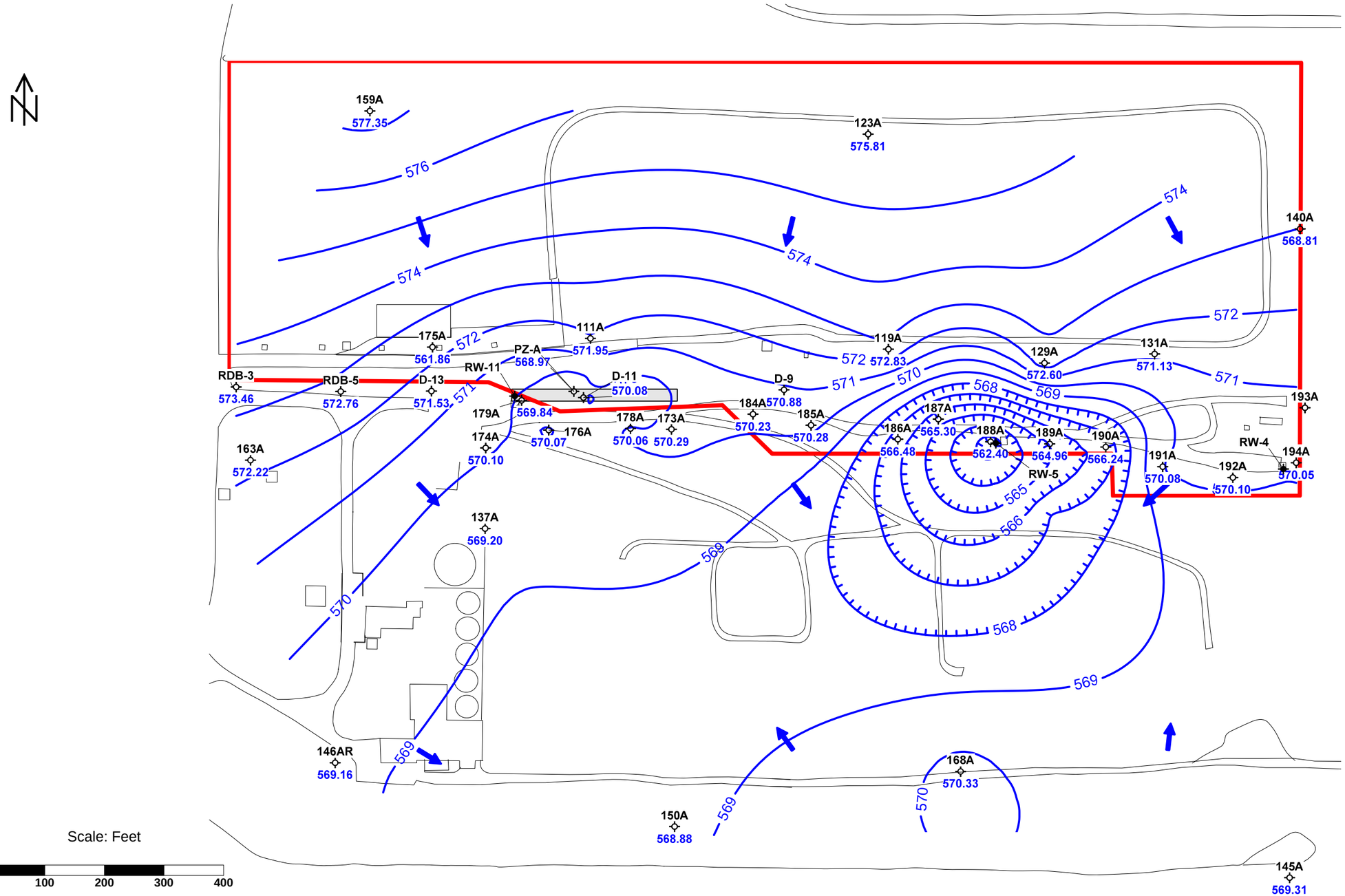
Potentiometric Contour

Structure

Road

Figure 3
Drawdown Contour Map
DuPont Necco Park: AT-Zone
April 5, 2005 (Static) to August 13, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010-08-13 NEC Contour Tool



Scale: Feet

0 100 200 300 400

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

Note: 175A and 140A were not contoured due to annomalous results. Well 193 was not accessed. Wells 117A and 139A were not used in the contouring.

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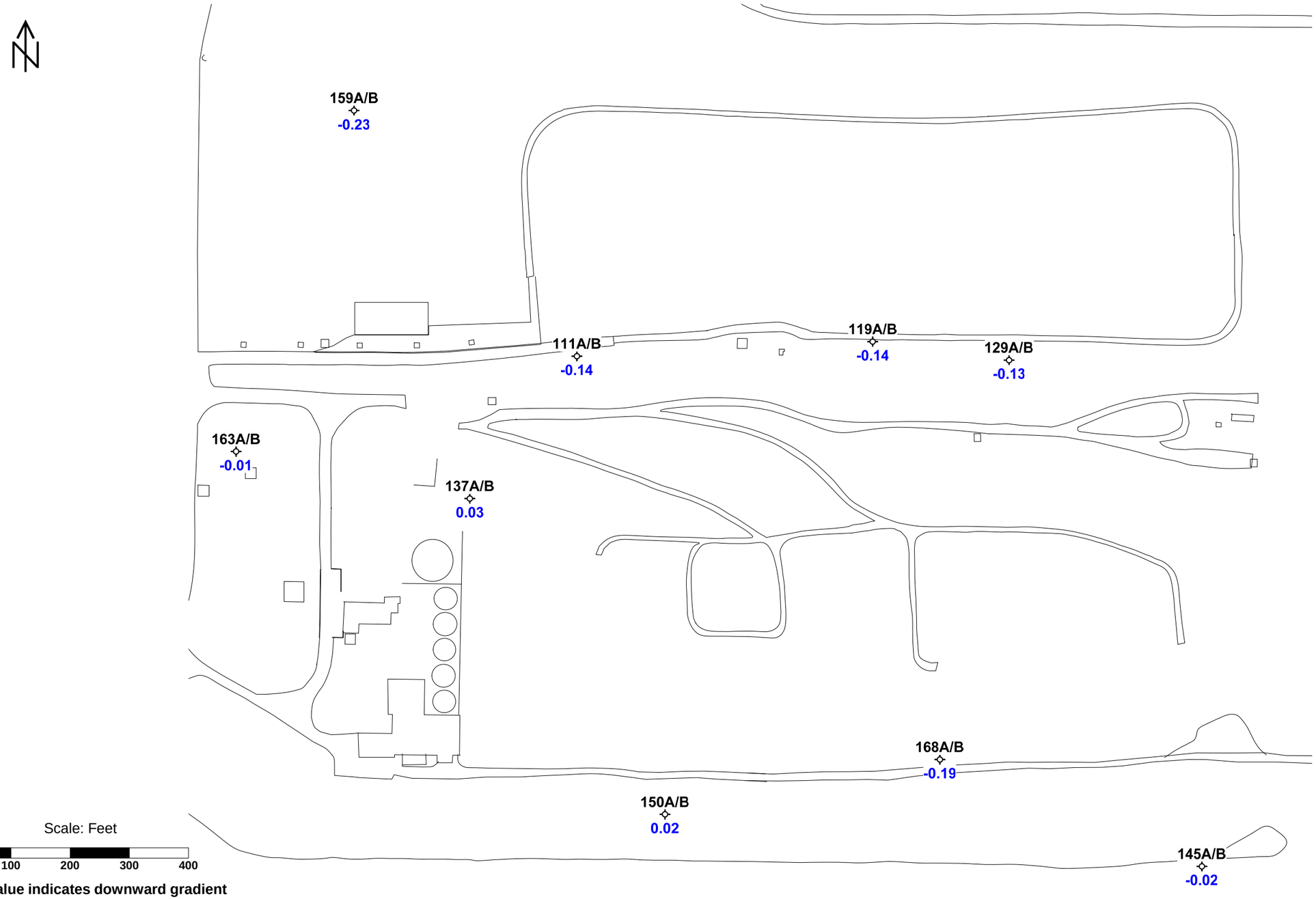
Approved by: JSP	Date: 11-02-10
Project Manager: JSP	Date: 11-01-10
Job number: 445231.05040	

LEGEND

3B	Well ID		Potentiometric Contour		Source Area Extent
⊙	Monitoring Well		Structure		
✦	Pumping Well		Road		

Figure 4
Potentiometric Surface Map
DuPont Necco Park: A-Zone
August 13, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010-05-07 NEC Contour Tool



Negative value indicates downward gradient

Elevation datum feet AMSL

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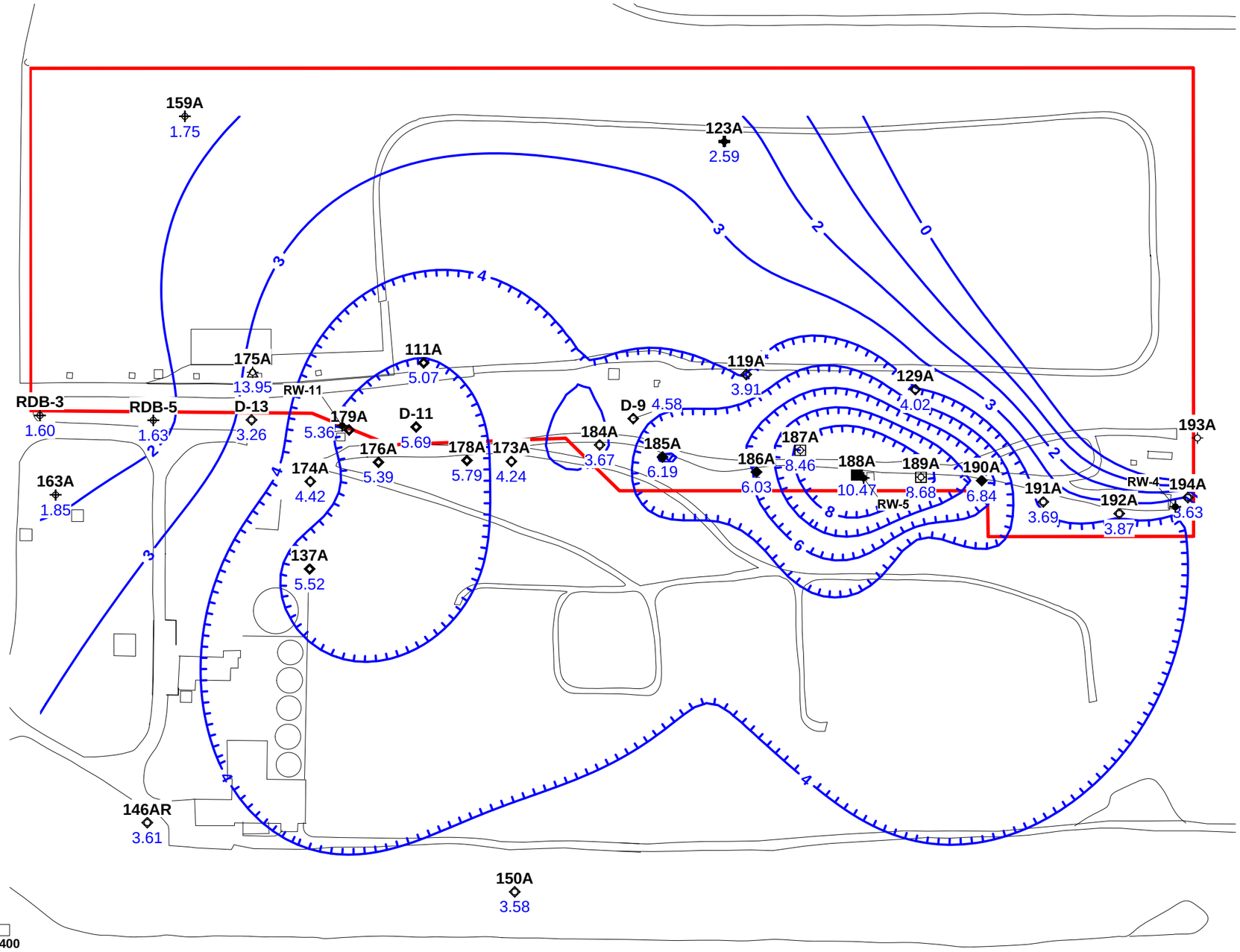
Project Manager: JSP	Date: 11-02-10
Job number: 445231.02021	

LEGEND

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

Figure 5
Vertical Gradient: A-Zone to B-Zone
DuPont Necco Park
August 13, 2010

P:/000DuPont Temporary/Necco/GW_contours/08-13-10 NEC Contour Tool



Scale: Feet

0 100 200 300 400

Contour interval = 1.0 feet

Elevation datum feet AMSL

Note: 175A and 140A were not contoured due to annomalous results. Well 193 was not accessed.

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Project Manager: JSP	Date: 08-04-10
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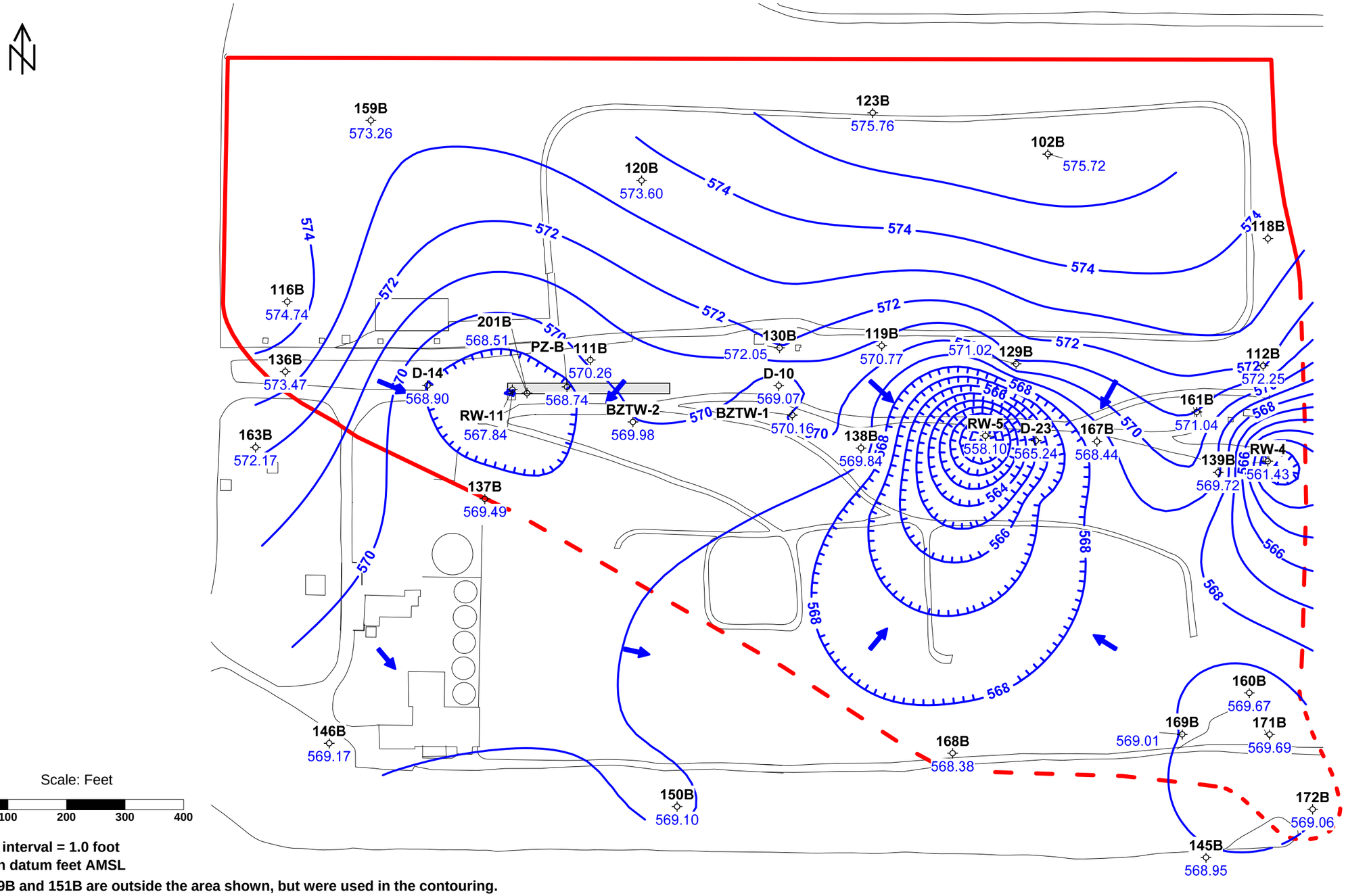
LEGEND

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

Figure 6
Drawdown Contour Map
DuPont Necco Park: A-Zone
April 5, 2005 (Static) to August 13, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010-08-13 NEC Contour Tool



Contour interval = 1.0 foot
Elevation datum feet AMSL

Wells 149B and 151B are outside the area shown, but were used in the contouring.
Wells 118B, 170B, BZTW-4, TRW-6 and TRW-7 were not used in the contouring.

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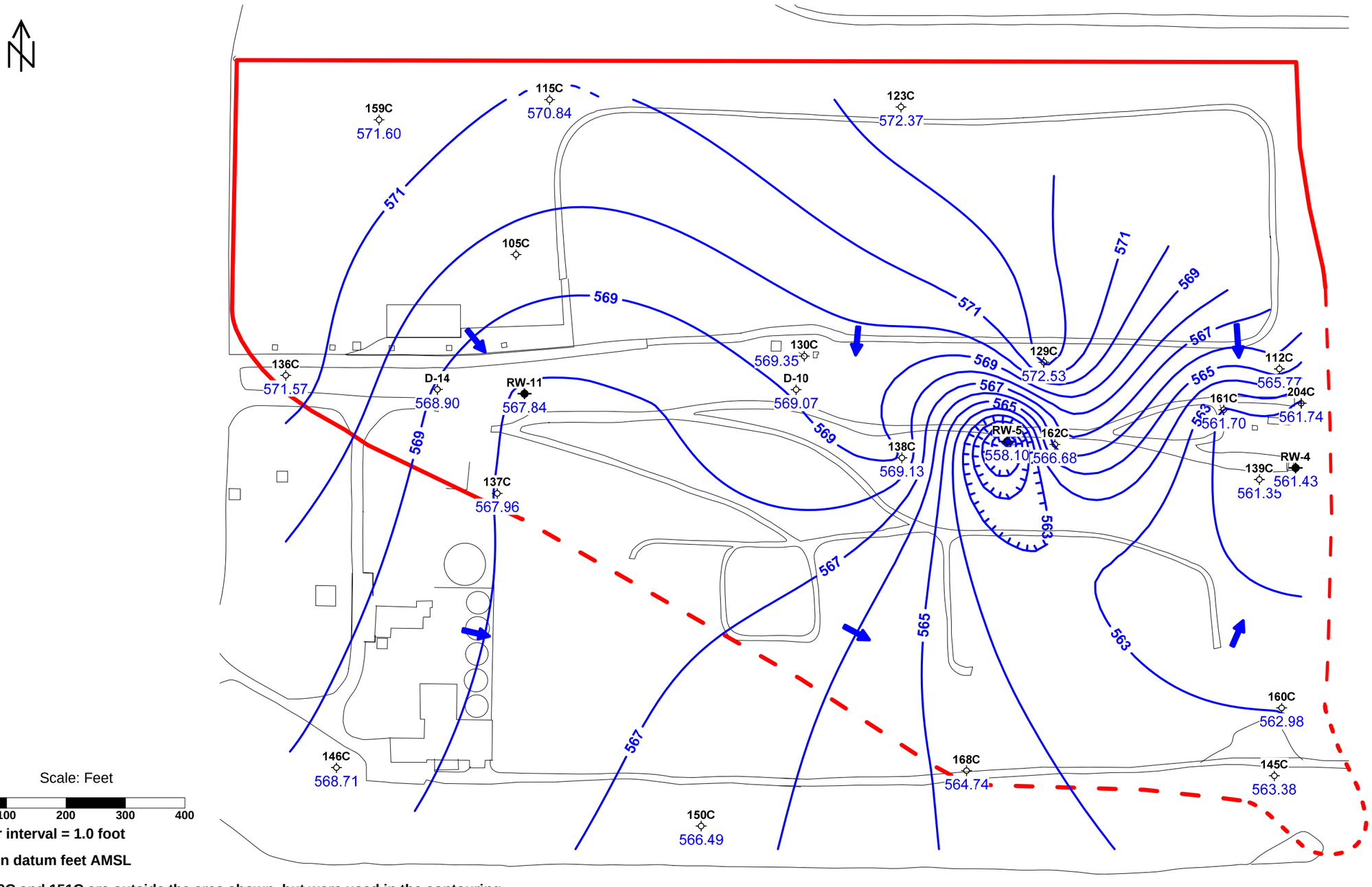
Project Manager: JSP	Date: 08-04-10
Job number: 445230.05041	

LEGEND

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

Figure 7
Potentiometric Surface Map
DuPont Necco Park: B-Zone
AUGUST 13, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010-08-13 NEC Contour Tool



Scale: Feet

0 100 200 300 400

Contour interval = 1.0 foot

Elevation datum feet AMSL

Wells 149C and 151C are outside the area shown, but were used in the contouring.
Well 105C not used in the contour due to anomalous value. 141C was also not used in the contouring

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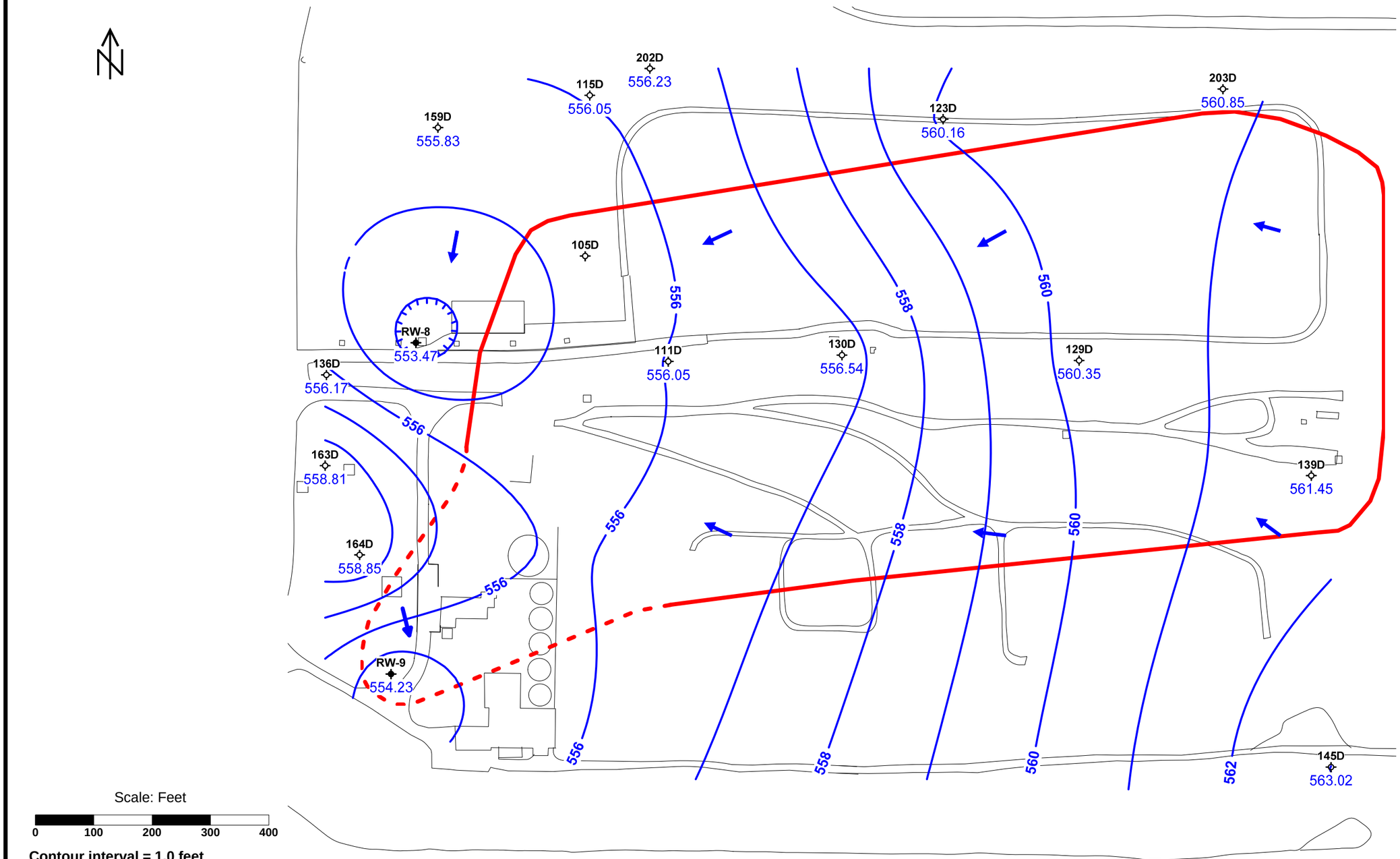
Approved by: JSP	Date: 11-02-10
Project Manager: JSP	Date: 08-04-10
Job number: 445230.05041	

LEGEND

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

Figure 8
Potentiometric Surface Map
DuPont Necco Park: C-Zone
August 13, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010-05-07 NEC Contour Tool



Contour interval = 1.0 feet

Elevation datum feet AMSL

Well 149, located outside the map area, was used in the contour interpolation.

Well 105D, 137D, 148D, 158D, and 165D, were not used in the interpolation.

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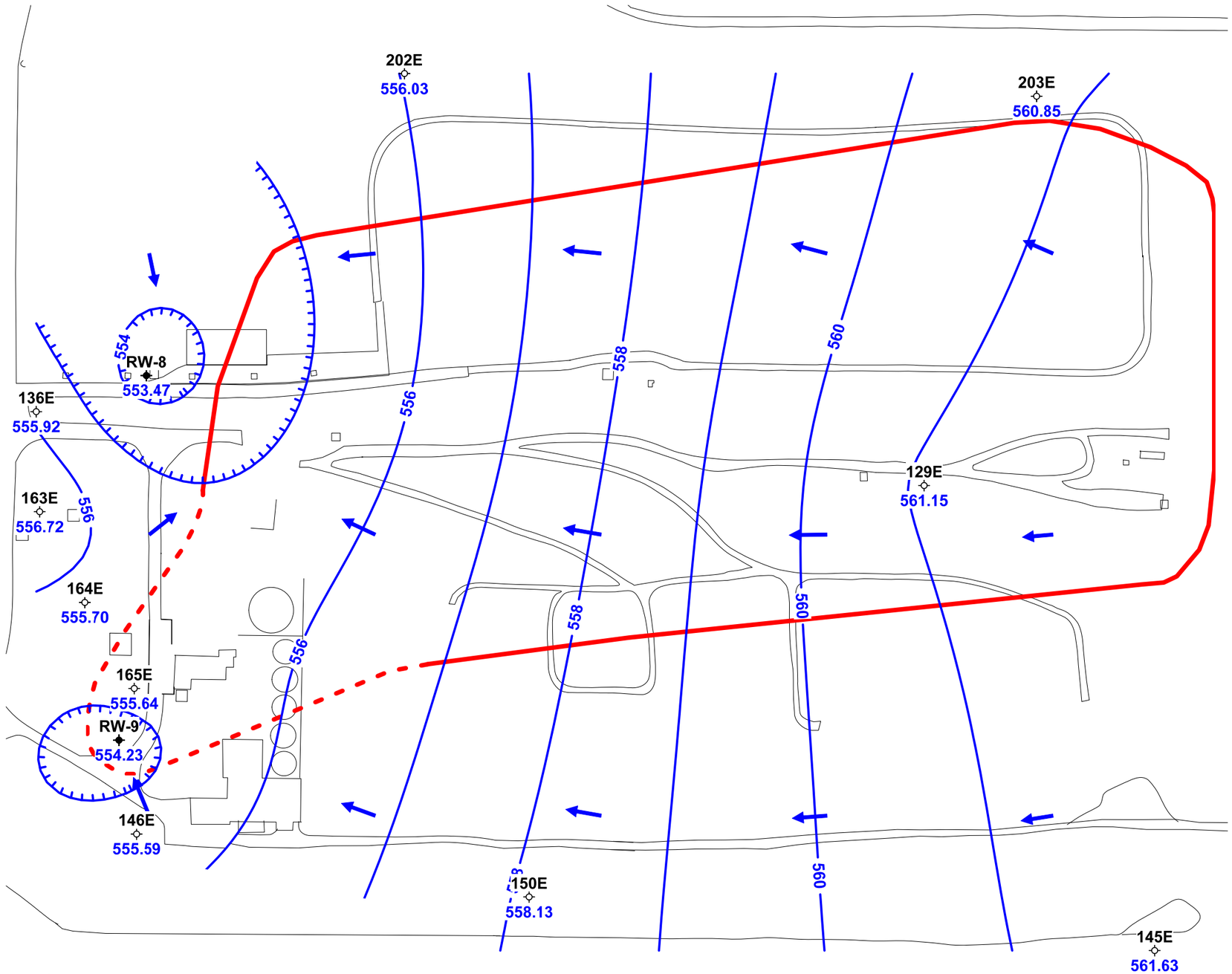
Approved by: JSP	Date: 11-02-10
Project Manager: JSP	Date: 11-02-10
Job number: 445230.05041	

LEGEND

3B	Well ID	Potentiometric Contour	Source Area Extent
	Monitoring Well	Structure	
	Pumping Well	Road	

Figure 9
Potentiometric Surface Map
DuPont Necco Park: D-Zone
August 13, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010-08-13 NEC Contour Tool



Scale: Feet

0 100 200 300 400

Contour interval = 0.5 foot

Elevation datum feet AMSL

Well 142E was not used in the contouring due to anomalous measurement

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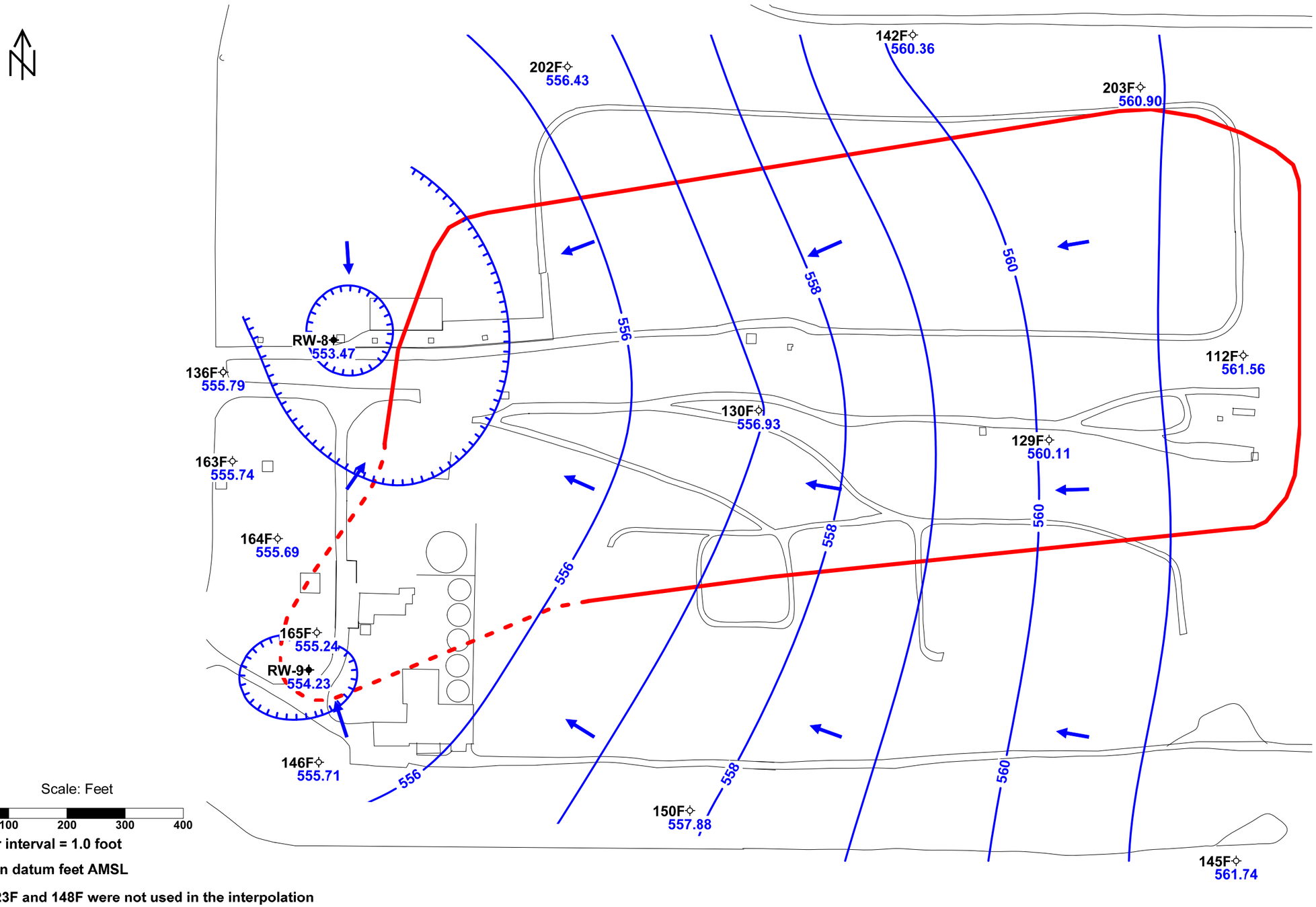
Project Manager: JSP	Date: 11-02-10
Job number: 445231.05040	

LEGEND

3B	Well ID	Potentiometric Contour	Source Area Extent
	Monitoring Well	Structure	
	Pumping Well	Road	

Figure 10
Potentiometric Surface Map
DuPont Necco Park: E-Zone
August 13, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010-08-13 NEC Contour Tool



Scale: Feet

0 100 200 300 400

Contour interval = 1.0 foot

Elevation datum feet AMSL

Wells 123F and 148F were not used in the interpolation

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Project Manager: JSP	Date: 11-02-10
Job number: 445231.05040	

LEGEND

3B	Well ID	Potentiometric Contour	Source Area Extent
	Monitoring Well	Structure	
	Pumping Well	Road	

Figure 11
Potentiometric Surface Map
DuPont Necco Park: F-Zone
August 13, 2010

P:/000DuPont Temporary/Necco/GW_contours/2010-05-07 NEC Contour Tool

APPENDIX A

GROUNDWATER ELEVATION DATA
THIRD QUARTER 2010

Table 2
Historical HCS Operational Summary - 3Q10
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
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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
2Q10	77.0	100.0	3,259,485	0
3Q10	100.0	100.0	3,398,078	0
TOTALS	**---**	**---**	**72,868,919**	**1010**
AVERAGE	**91.4**	**93.3**	**---**	**---**

APPENDIX A
NECCO PARK WATERLEVELS
THIRD QUARTER 2010

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
53	08/13/10	8.52	578.20	569.68	1206
102B	08/13/10	23.29	599.01	575.72	1216
105C	08/13/10	38.81	595.28	556.47	1239
105D	08/13/10	25.41	594.77	569.36	1240
111A	08/13/10	14.94	586.89	571.95	1140
111B	08/13/10	14.68	584.94	570.26	1141
111D	08/13/10	28.25	584.30	556.05	1142
112B	08/13/10	9.65	581.90	572.25	1203
112C	08/13/10	17.16	582.93	565.77	1204
112F	08/13/10	21.73	583.29	561.56	1205
115C	08/13/10	25.09	595.93	570.84	1241
115D	08/13/10	40.57	596.62	556.05	1242
116B	08/13/10	15.31	590.05	574.74	1135
117A	08/13/10	6.73	580.52	573.79	1210
118B	08/13/10	14.49	583.90	569.41	1207
119A	08/13/10	13.51	586.34	572.83	1151
119AT	08/13/10	13.98	586.62	572.64	1152
119B	08/13/10	16.00	586.77	570.77	1153
120B	08/13/10	25.58	599.18	573.60	1227
123A	08/13/10	22.12	597.93	575.81	1220
123B	08/13/10	20.22	595.98	575.76	1221
123C	08/13/10	23.05	595.42	572.37	1222
123D	08/13/10	36.35	596.51	560.16	1223
123F	08/13/10	38.63	598.57	559.94	1224
129A	08/13/10	12.20	584.80	572.60	1159
129AT	08/13/10	12.25	584.94	572.69	1158
129B	08/13/10	14.22	585.24	571.02	1157
129C	08/13/10	13.15	585.68	572.53	1156
129D	08/13/10	25.68	586.03	560.35	1155
129E	08/13/10	19.73	580.88	561.15	1210
129F	08/13/10	21.25	581.36	560.11	1211
130B	08/13/10	13.58	585.63	572.05	1145
130C	08/13/10	16.16	585.51	569.35	1146
130D	08/13/10	28.42	584.96	556.54	1147
130F	08/13/10	24.56	581.49	556.93	1149
130G	08/13/10	22.76	580.79	558.03	1150
131A	08/13/10	14.30	585.43	571.13	1201
136B	08/13/10	8.22	581.69	573.47	1113
136C	08/13/10	10.05	581.62	571.57	1112

APPENDIX A
NECCO PARK WATERLEVELS
THIRD QUARTER 2010

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
136D	08/13/10	23.51	579.68	556.17	1111
136E	08/13/10	23.67	579.59	555.92	1110
136F	08/13/10	24.54	580.33	555.79	1109
136G	08/13/10	18.21	579.76	561.55	1108
137A	08/13/10	9.27	578.47	569.20	1131
137B	08/13/10	8.82	578.31	569.49	1129
137C	08/13/10	10.43	578.39	567.96	1128
137D	08/13/10	12.76	579.09	566.33	1130
138B	08/13/10	14.14	583.98	569.84	1154
138C	08/13/10	17.93	587.06	569.13	1155
139A	08/13/10	14.01	585.14	571.13	1219
139B	08/13/10	15.67	585.39	569.72	1220
139C	08/13/10	23.92	585.27	561.35	1221
139D	08/13/10	24.04	585.49	561.45	1222
140A	08/13/10	12.62	581.43	568.81	1138
141C	08/13/10	26.15	580.05	553.90	1239
141G	08/13/10	16.11	582.53	566.42	1211
142E	08/13/10	7.49	586.00	578.51	1208
142F	08/13/10	25.33	585.69	560.36	1238
143G	08/13/10	33.29	591.34	558.05	1305
145A	08/13/10	6.53	575.84	569.31	1217
145B	08/13/10	6.53	575.48	568.95	1214
145C	08/13/10	12.52	575.90	563.38	1241
145D	08/13/10	13.03	576.05	563.02	1243
145E	08/13/10	14.35	575.98	561.63	1218
145F	08/13/10	14.31	576.05	561.74	1220
146AR	08/13/10	7.76	576.92	569.16	1246
146B	08/13/10	7.73	576.90	569.17	1247
146C	08/13/10	7.64	576.35	568.71	1248
146E	08/13/10	20.49	576.08	555.59	1249
146F	08/13/10	20.33	576.04	555.71	1250
148D	08/13/10	9.28	579.38	570.10	1139
148F	08/13/10	20.76	576.21	555.45	1140
149B	08/13/10	4.60	572.87	568.27	1150
149C	08/13/10	6.28	573.26	566.98	1151
149D	08/13/10	15.77	572.86	557.09	1152
150A	08/13/10	6.98	575.86	568.88	1205
150B	08/13/10	6.89	575.99	569.10	1206
150C	08/13/10	9.64	576.13	566.49	1207

APPENDIX A
NECCO PARK WATERLEVELS
THIRD QUARTER 2010

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
150E	08/13/10	18.02	576.15	558.13	1208
150F	08/13/10	18.10	575.98	557.88	1209
151B	08/13/10	7.27	573.36	566.09	1128
151C	08/13/10	7.70	573.18	565.48	1130
158D	08/13/10	37.28	598.20	560.92	1215
159A	08/13/10	18.81	596.16	577.35	1243
159B	08/13/10	23.11	596.37	573.26	1244
159C	08/13/10	25.76	597.36	571.60	1245
159D	08/13/10	41.84	597.67	555.83	1246
160B	08/13/10	13.08	582.75	569.67	1237
160C	08/13/10	19.74	582.72	562.98	1238
161B	08/13/10	11.80	582.84	571.04	1231
161C	08/13/10	20.94	582.64	561.70	1230
162C	08/13/10	14.32	581.00	566.68	1204
163A	08/13/10	5.92	578.14	572.22	1130
163B	08/13/10	5.77	577.94	572.17	1129
163D	08/13/10	20.01	578.82	558.81	1128
163E	08/13/10	22.34	579.06	556.72	1127
163F	08/13/10	23.02	578.76	555.74	1126
164D	08/13/10	18.57	577.42	558.85	1121
164E	08/13/10	21.62	577.32	555.70	1122
164F	08/13/10	21.58	577.27	555.69	1123
165D	08/13/10	12.38	577.52	565.14	1300
165E	08/13/10	21.92	577.56	555.64	1259
165F	08/13/10	22.48	577.72	555.24	1258
167B	08/13/10	12.49	580.93	568.44	1214
168A	08/13/10	8.39	578.72	570.33	1228
168B	08/13/10	10.52	578.90	568.38	1229
168C	08/13/10	14.47	579.21	564.74	1230
169B	08/13/10	11.42	580.43	569.01	1234
170B	08/13/10	12.61	579.10	566.49	1235
171B	08/13/10	9.85	579.54	569.69	1239
172B	08/13/10	7.89	576.95	569.06	1223
173A	08/13/10	10.42	580.71	570.29	1143
174A	08/13/10	7.52	577.62	570.10	1114
175A	08/13/10	24.95	586.81	561.86	1212
176A	08/13/10	9.96	580.03	570.07	1130
178A	08/13/10	9.86	579.92	570.06	1141
179A	08/13/10	9.17	579.01	569.84	1135

APPENDIX A
NECCO PARK WATERLEVELS
THIRD QUARTER 2010

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
180AT	08/13/10	9.04	579.47	570.43	1205
184A	08/13/10	9.65	579.88	570.23	1146
184AT	08/13/10	9.80	579.69	569.89	1145
185A	08/13/10	10.56	580.84	570.28	1152
185AT	08/13/10	10.82	580.69	569.87	1153
186A	08/13/10	13.28	579.76	566.48	1157
186AT	08/13/10	10.31	580.10	569.79	1156
187A	08/13/10	14.64	579.94	565.30	1159
187AT	08/13/10	9.32	579.30	569.98	1158
188A	08/13/10	18.51	580.91	562.40	1201
188AT	08/13/10	10.13	580.59	570.46	1200
189A	08/13/10	14.86	579.82	564.96	1208
189AT	08/13/10	9.97	580.40	570.43	1207
190A	08/13/10	14.34	580.58	566.24	1212
190AT	08/13/10	10.49	580.92	570.43	1212
191A	08/13/10	10.54	580.62	570.08	1215
191AT	08/13/10	10.52	581.06	570.54	1216
192A	08/13/10	13.98	584.08	570.10	1217
192AT	08/13/10	14.03	584.46	570.43	1218
193A	08/13/10	-	584.13	-	-
193AT	08/13/10	9.42	583.09	573.67	1227
194A	08/13/10	14.30	584.35	570.05	1225
194AT	08/13/10	11.92	584.93	573.01	1226
201B	08/13/10	10.74	579.25	568.51	1136
202D	08/13/10	36.50	592.73	556.23	1115
202E	08/13/10	36.70	592.73	556.03	1116
202F	08/13/10	36.30	592.73	556.43	1117
203D	08/13/10	33.00	593.85	560.85	1110
203E	08/13/10	33.00	593.85	560.85	1111
203F	08/13/10	32.95	593.85	560.90	1112
204C	08/13/10	20.03	581.77	561.74	1228
BZTW-1	08/13/10	9.51	579.67	570.16	1151
BZTW-2	08/13/10	9.40	579.38	569.98	1142
BZTW-4	08/13/10	5.10	578.18	573.08	1118
D-10	08/13/10	10.95	580.02	569.07	1148
D-11	08/13/10	7.99	578.07	570.08	1140
D-13	08/13/10	7.54	579.07	571.53	1132
D-14	08/13/10	10.11	579.01	568.90	1133
D-23	08/13/10	15.31	580.55	565.24	1209

APPENDIX A
NECCO PARK WATERLEVELS
THIRD QUARTER 2010

SAMPLE POINT	DATE	DEPTH TO WATER	CASING ELEVATION	GW ELEVATION	TIME
D-9	08/13/10	9.27	580.15	570.88	1147
PZ 195-AT	08/13/10	7.08	584.80	577.72	1237
PZ 196-AT	08/13/10	8.02	585.71	577.69	1240
PZ 197-AT	08/13/10	6.89	584.57	577.68	1242
PZ 198-AT	08/13/10	6.19	583.93	577.74	1244
PZ 199-AT	08/13/10	7.27	584.92	577.65	1246
PZ 200-AT	08/13/10	8.48	586.46	577.98	1248
PZ-A	08/13/10	10.09	579.06	568.97	1128
PZ-B	08/13/10	10.73	579.47	568.74	1127
RDB-3	08/13/10	5.85	579.31	573.46	1115
RDB-5	08/13/10	5.81	578.57	572.76	1117
RW-11	08/13/10	10.94	578.78	567.84	1124
RW-4	08/13/10	20.09	581.52	561.43	1223
RW-5	08/13/10	20.78	578.88	558.10	1202
RW-8	08/13/10	32.05	585.52	553.47	1136
RW-9	08/13/10	20.90	575.13	554.23	1257
TRW-6	08/13/10	10.00	580.21	570.21	1144
TRW-7	08/13/10	8.05	577.89	569.84	1115
Notes:					
The 193A well was not accessable and no water level was recorded in this quarter					

APPENDIX B

GWTF PROCESS SAMPLING RESULTS
THIRD QUARTER 2010

APPENDIX B
GWTF PROCESS SAMPLING RESULTS
3Q10 NECCO PARK

CAS No.	LabAnalyte	Location Date Units	BC-INFLUENT 8/13/10 FS	DEF-INFLUENT 8/13/10 FS	COMB-EFFLUENT 8/13/10 FS	FILTER-BLK 8/13/10 FS	TBLK 8/13/10 TB
	Field Parameters						
EVS0118	COLOR QUALITATIVE (FIELD)	NS	GREY/BLUE	GREY	GREY	NS	NS
EVS0125	ODOR (FIELD)	NS	MODERATE	MODERATE	SLIGHT	NS	NS
EVS0127	PH (FIELD)	STD UNITS	5.34	6.9	7.4	NS	NS
EVS0128	REDOX (FIELD)	MV	-103	-200	203	NS	NS
EVS0044	SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	12000	4112	6935	NS	NS
EVS0113	TEMPERATURE (FIELD)	DEGREES C	17.5	15.1	18.7	NS	NS
EVS0130	TURBIDITY QUANTITATIVE (FIELD)	NTU	133	49.5	107	NS	NS
	Volatile Organics						
79345	1,1,2,2-TETRACHLOROETHANE	UG/L	3200	1600	840 J	NS	<0.18
79005	1,1,2-TRICHLOROETHANE	UG/L	3200	2700	660	NS	<0.27
75354	1,1-DICHLOROETHENE	UG/L	470 J	400 J	<5.4	NS	<0.19
107062	1,2-DICHLOROETHANE	UG/L	500 J	210 J	36	NS	<0.22
56235	CARBON TETRACHLORIDE	UG/L	1200	1200	<3.7	NS	<0.13
67663	CHLOROFORM	UG/L	15000	3900	180	NS	<0.16
156592	CIS-1,2-DICHLOROETHENE	UG/L	6200	12000	380	NS	<0.17
75092	METHYLENE CHLORIDE	UG/L	3100	6000	330	NS	<0.33
127184	TETRACHLOROETHENE	UG/L	4100	1600	15 J	NS	<0.29
156605	TRANS-1,2-DICHLOROETHENE	UG/L	450 J	800	7.6 J	NS	<0.19
79016	TRICHLOROETHENE	UG/L	14000	7300	91	NS	<0.17
75014	VINYL CHLORIDE	UG/L	1900	2400	<6.3	NS	<0.22
	Other Organics						
95954	2,4,5-TRICHLOROPHENOL	UG/L	44 J	330	240	NS	NS
88062	2,4,6-TRICHLOROPHENOL	UG/L	<16	150	99 J	NS	NS
EVS0197	3-METHYLPHENOL & 4-METHYLPHENOL	UG/L	100 J	17 J	41 J	NS	NS
118741	HEXACHLOROBENZENE	UG/L	<2	<1.2	<1	NS	NS
87683	HEXACHLOROBUTADIENE	UG/L	380	30 J	7.8 J	NS	NS
67721	HEXACHLOROETHANE	UG/L	170 J	<10	<8	NS	NS
87865	PENTACHLOROPHENOL	UG/L	76 J	660	500	NS	NS
108952	PHENOL	UG/L	200	42 J	100	NS	NS
TIC01	TIC 1	UG/L	1800 J	640 J	1500 J	NS	NS
	Inorganics						
7440393	BARIUM, DISSOLVED	UG/L	157000	80 J	560	NS	NS
7440393	BARIUM, TOTAL	UG/L	243000	65 J	44500	<0.67	NS
14808798	SULFATE	UG/L	4300	850000	430000	NS	NS
57125	CYANIDE, TOTAL	UG/L	3100	240	900	NS	NS
Total Volatiles		UG/L	53320	40110	2555		

< and ND = Non detect at stated reporting limit

ATTACHMENT 1

NECCO PARK
3Q10 WATER LEVELS

(ELECTRONIC FORMAT ONLY)