The Chemours Company
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February 28, 2020

Ms. Young Chang
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 Young Chang:

NECCO PARK FOURTH QUARTER 2019 DATA PACKAGE

Enclosed is the *Fourth Quarter 2019 (4Q19) Data Package* for the Chemours 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, figures showing hydrographs, potentiometric surface contours map, and vertical gradient maps. The data package also includes a 4Q19 monitoring summary for dense non-aqueous phase liquid (DNAPL).

Pumping system uptime for 4Q19 was 90.6 percent. The total volume of groundwater treated during 4Q19 was 3,054,064 gallons. Monthly DNAPL monitoring was completed in November and December and a semi-annual DNAPL monitoring event was completed in November. The December DNAPL event identified DNAPL in RW-4 (4.0 feet) and removal of 18 gallons of DNAPL was completed in January 2020.

Please contact me at (716) 221-4723 if you have any questions or comments regarding this submittal.

Sincerely,

CORPORATE REMEDIATION GROUP

Paul F. Mazierski
Project Director

Enc. 4Q2019 Data Package

cc: Stanley Radon/NYSDEC
E. Felter/Parsons

SOURCE AREA HYDRAULIC CONTROL SYSTEM
FOURTH QUARTER 2019
GROUNDWATER MONITORING DATA PACKAGE
CHEMOURS NECCO PARK
NIAGARA FALLS, NIAGARA COUNTY, NEW YORK

EPA ID No. NYD980532162

Prepared For:

THE CHEMOURS COMPANY FC LLC
CORPORATE REMEDIATION GROUP

P.O. Box 788
Lewiston, NY 14092

Prepared By:

PARSONS

40 La Riviere Drive, Suite 350
Buffalo, New York 14202
Phone: (716) 541-0730

February 2020

TABLE OF CONTENTS

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 2019 (4Q19) for groundwater remediation measures at the Chemours NECCO Park Site (Necco Park) in Niagara Falls, New York. Submission of this data package meets the reporting requirements defined in the agency-approved Long-Term Groundwater Monitoring Plan LTGMP (DuPont Corporate Remediation Group 2005) as well as agency-approved scope revisions (USEPA, 2010, 2012, 2015, and 2016).

This is the 58th data package submitted since the 2005 startup of the Necco Park Hydraulic Control System (HCS). It provides a summary of operations for the pumping wells and the Groundwater Treatment Facility (GWTF). Figures 1 through 13 are hydrographs depicting groundwater elevation since startup of the HCS, contours for six groundwater flow zones, and a map of vertical gradients between the A-Zone and the B-Zone. Groundwater elevation data are provided as a hard copy in Appendix A and as an electronic copy in Attachment 1.

1.2 OPERATIONAL SUMMARY

The following table provides a summary of average HCS uptime, total gallons of groundwater treated, and gallons of dense non-aqueous phase liquid (DNAPL) removed for 4Q19:

	HCS Uptime (%)	Groundwater Treated (gallons)	DNAPL Removed (gallons)
October	95%	1,069,827	0
November	90.6%	1,038,224	0
December	86.2%	946,013	18
4Q19 Total	**90.6%**	**3,054,064**	**18**

System downtime is categorized into two groups: HCS downtime and individual recovery well downtime. Both categories are further grouped into two types: unscheduled and scheduled downtime. Downtime (for HCS or individual recovery wells, scheduled or unscheduled) is discussed below when the downtime is 48 consecutive hours or greater.

There was one unscheduled and no scheduled downtime events for the HCS during 4Q19. There were no scheduled or unscheduled downtimes for the pumping wells during 4Q19. The system and pumping wells shut down on November 29 due to a leak detection alarm triggered erroneously due to a float malfunction. The float malfunction was corrected and RW-4, RW-8, RW-9, and RW-11 were restarted December 2 with a total downtime of 73 hours. RW-5 was restarted December 3 with a total downtime of 100 hours.

Monthly DNAPL monitoring events occurred on November 27 and December 30, 2019, and a semi-annual DNAPL monitoring event was completed October 16, 2019. No DNAPL was identified during the October and November events. DNAPL was identified in RW-4 (4.0 feet) during the December 30 DNAPL monitoring event. Removal took place in January 2020 with sediment removal via vacuum truck extraction which provides a safer, more efficient, and more effective process. It was estimated that approximately 18 gallons of DNAPL were removed from RW-4. The sediments and DNAPL were separated and disposed of in a manner consistent with previous events and consistent with the Waste Management Plan.

1.3 GWTF PROCESS SAMPLING

GWTF influent samples (from B/C-Zone and D/E/F-Zone) and a combined effluent sample were collected in 4Q19 in accordance with the Site SAMP and the approved reduction to VOCs only (USEPA, January 2012). Samples were collected by Parsons on November 5, 2019 and shipped to the 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 publicly-owned treatment works (POTW) Significant Industrial User (SIU) Permit #76 for Necco Park, the GWTF discharge is sampled and reported quarterly to the Niagara Falls Water Board (NFWB). The most recent Necco Park 4Q19 sewer discharge samples were collected on September 29, 2019 (following NFWB quarterly calendar). There were no permit limit exceedances in 4Q19. The results indicate that the GWTF continued operating within normal parameters during 4Q19.

SECTION 2

REFERENCES

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

DuPont Corporate Remediation Group, 2011. Letter regarding revisions to DuPont NECCO Park Groundwater Monitoring Program, December 8, 2011.

USEPA, 2010. Letter approving changes to the monitoring program, July 16, 2010

USEPA, 2012. Letter approving changes to the monitoring program, January 27, 2012

USEPA, 2015. Letter approving changes to DNAPL monitoring program, August 12, 2015

USEPA, 2016. Letter approving changes to the monitoring program, October 19, 2016

TABLES

Table 1

Individual Well Shutdown Summary for 4Q19
Chemours Necco Park

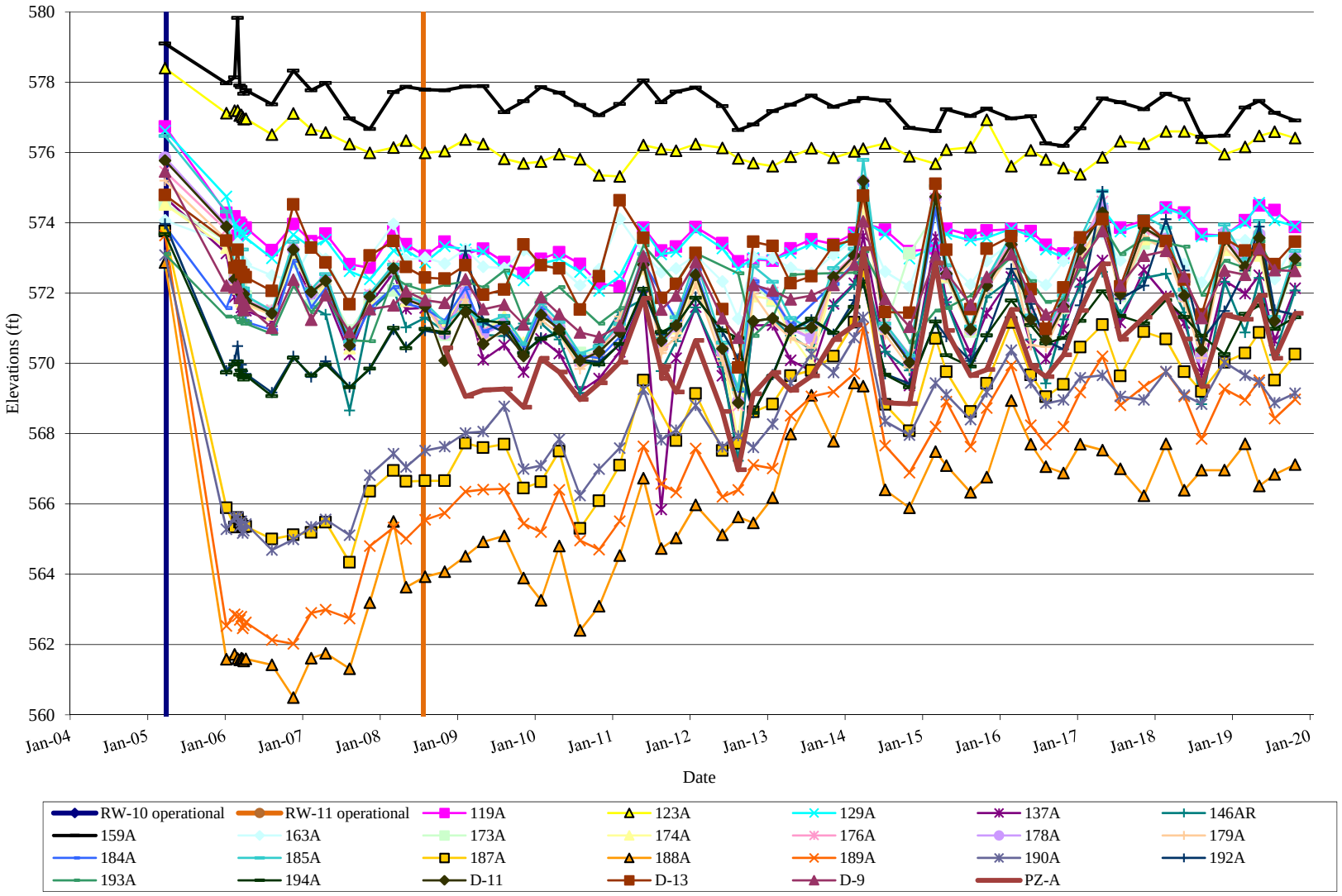
	Well ID	Date(s)	Length of Shutdown (hours)	Reason for Shutdown	Remarks
October					No wells were down for greater than 48 hours in October 2019.
November					No wells were down for greater than 48 hours in November 2019.
December	RW-4, RW-8, RW-9, and RW-11	November 29 through December 2	73	Leak detection alarm triggered erroneously due to a float malfunction.	
	RW-5	November 29 through December 3	100	Leak detection alarm triggered erroneously due to a float malfunction.	

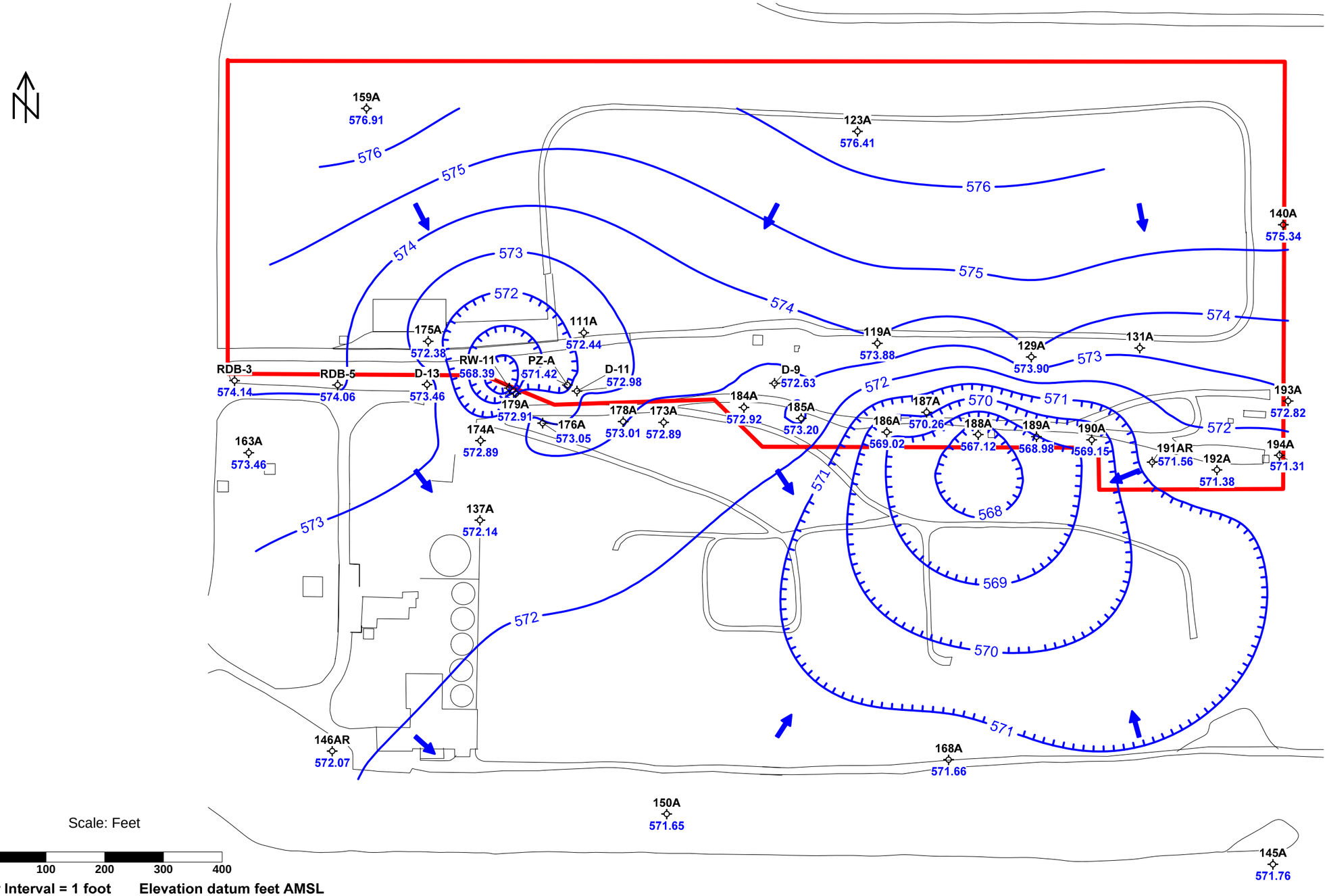
Table 2
Historical HCS Operational Summary - 4Q19
Chemours Necco Park

Reporting Period	HCS Uptime (%)	HCS Uptime Excluding Scheduled Maintenance Downtime (%)	Groundwater Treated (Gallons)	DNAPL Removed (Gallons)
2005	93.4	95.2	9,692,689	103.5
2006	94.2	95.6	12,345,079	151
2007	92.1	92.5	11,715,133	153
2008	84.0	85.4	12,244,847	512
2009	93.7	93.9	16,292,130	0
2010	92.3	99.4	13,774,768	90
2011	90.6	93.7	13,165,588	130
2012	92.9	93.1	15,227,779	72
2013	90.9	90.9	15,633,293	122
2014	94.4	94.4	14,424,850	0
1Q15	92.0	92.0	3,297,700	28
2Q15	77.7	98.9	3,262,714	0
3Q15	56.4	97.8	1,993,440	0
4Q15	90.1	95.6	3,453,781	40
1Q16	97.5	97.5	3,440,875	0
2Q16	74.4	97.1	3,723,706	0
3Q16	71.2	90.4	2,471,085	0
4Q16	90.5	100.0	3,086,585	0
1Q17	95.2	95.2	3,234,923	0
2Q17	87.0	88.5	4,022,608	0
3Q17	86.0	86.0	3,632,509	0
4Q17	72.7	96.7	2,937,773	0
1Q18	93.8	93.8	3,894,096	0
2Q18	80.8	96.9	3,314,346	0
3Q18	82.9	88.2	3,081,012	0
4Q18	92.7	92.7	3,259,882	0
1Q19	85.7	85.7	3,136,446	12.8
2Q19	85.2	100.0	3,538,214	0
3Q19	93.1	93.1	2,824,848	0
4Q19	90.6	90.6	3,054,064	18.0
TOTALS	**---**	**---**	**199,176,763**	**1,432**
AVERAGE	**87.1**	**93.7**	**---**	**---**

FIGURES

Figure 1
Select A-Zone Monitoring Wells
Groundwater Elevations 2005 Through 4th Quarter 2019
Chemours Necco Park





Scale: Feet

0 100 200 300 400

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

Well 131A water level was anomalously high and was not used in the contouring.

PARSONS

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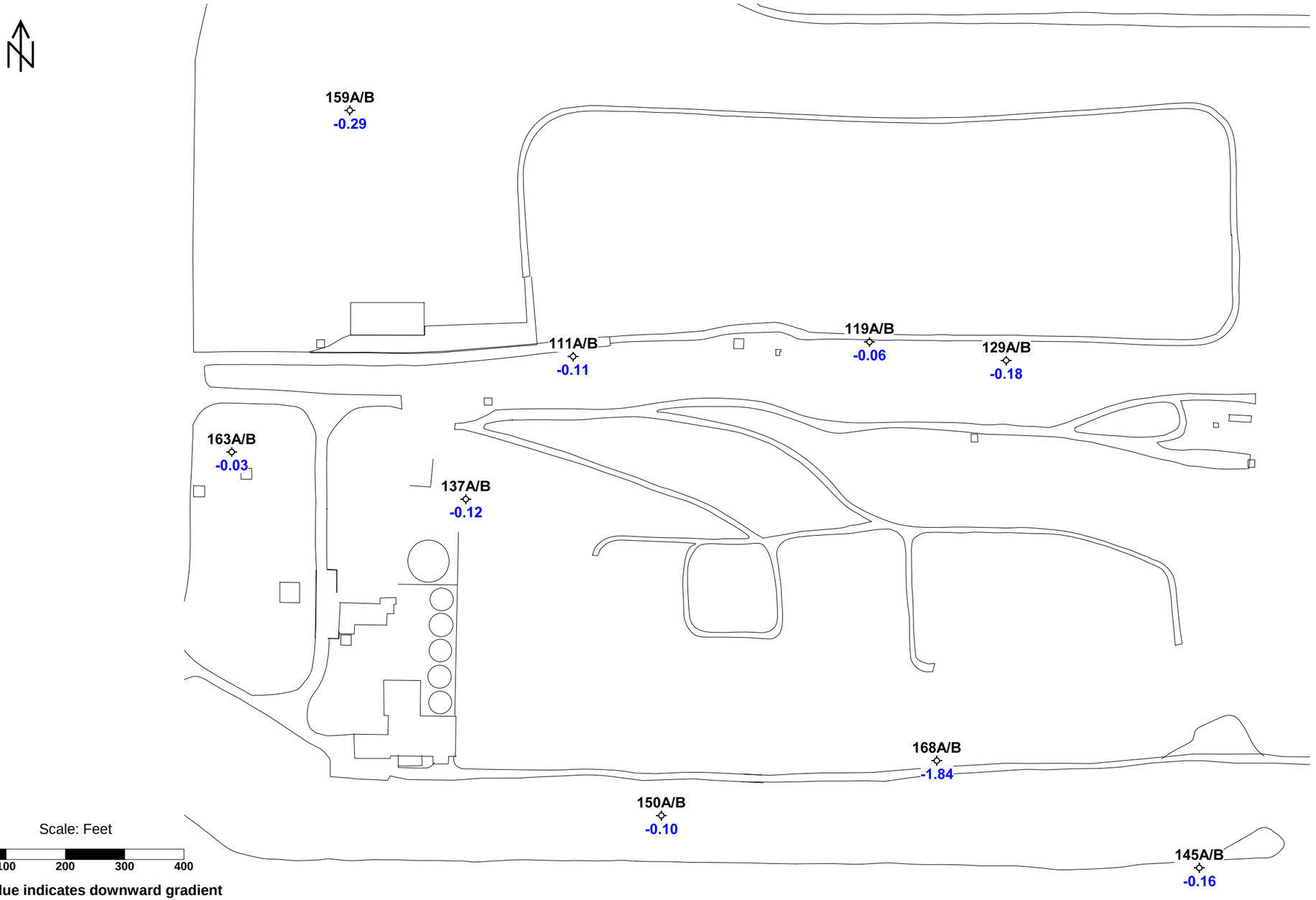
Created by: RBP	Date: 01-06-20
Checked by: JWS	Date: 01-10-20
Project Manager: EAF	Date: 01-10-20
Job number: 451999.03000	

LEGEND

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

Figure 2
Potentiometric Surface Map
Chemours Necco Park: A-Zone
November 05, 2019

//nybuf03fs01/Dupont$/Necco/HydroGeo/Hydro/GW_contours/2019-11-05 NEC Contour Tool/2019-11-05 - A PZ - F2.srf



Negative value indicates downward gradient

Elevation datum feet AMSL

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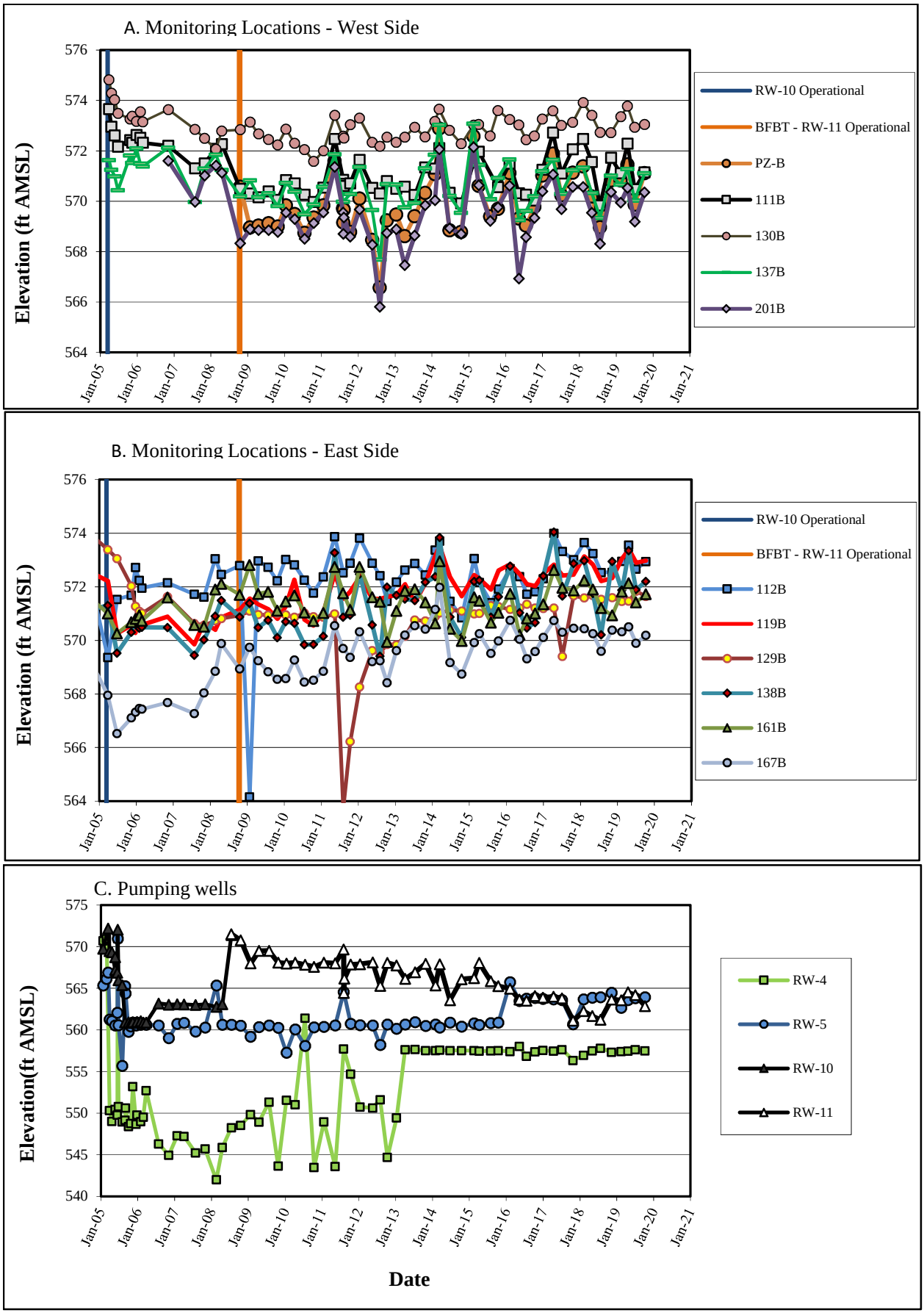
LEGEND

150A/B	Well ID		Structure
	Monitoring Well		Road
	Pumping Well	-0.16	Vertical Hydraulic Gradient

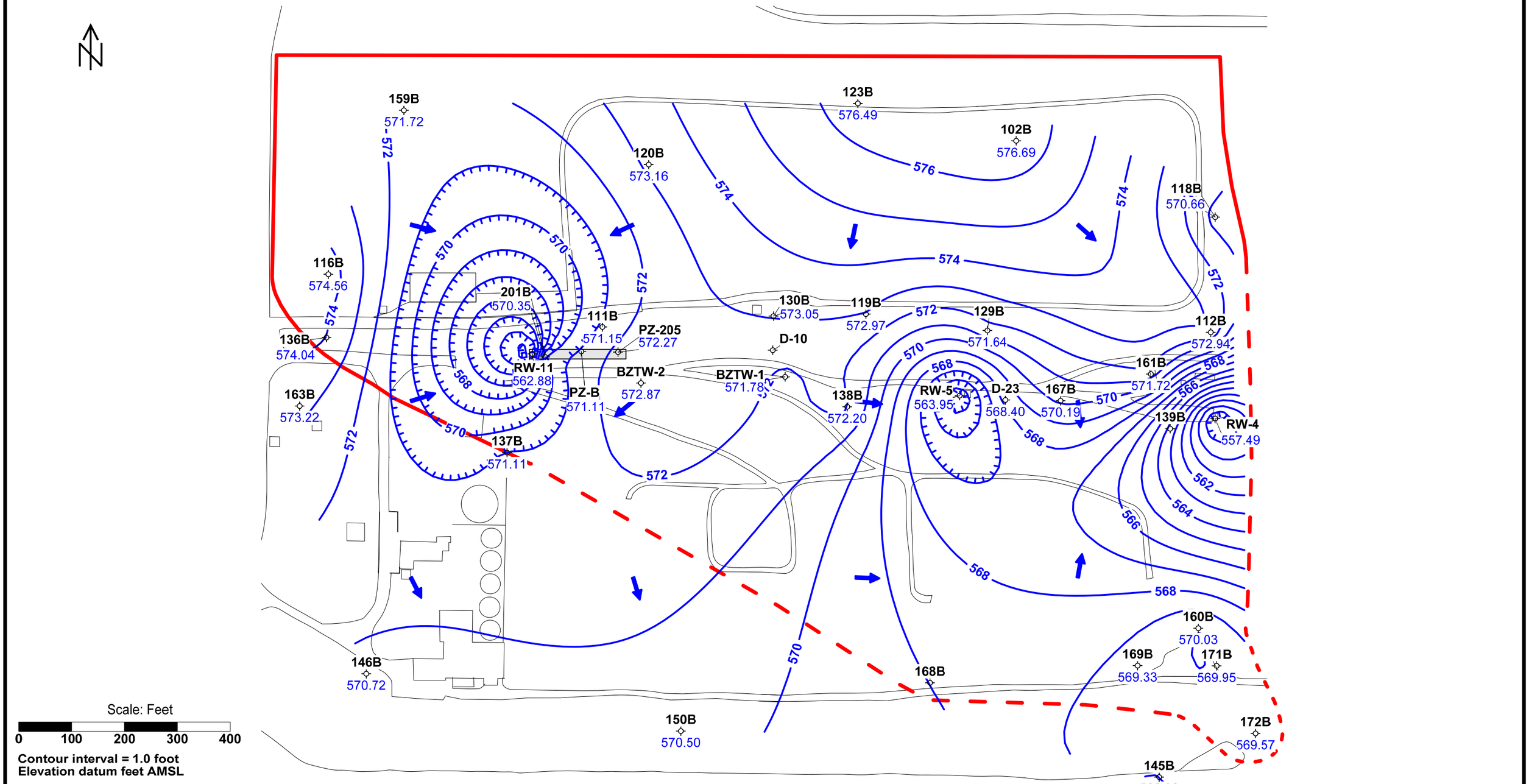
Figure 3
Vertical Gradient: A-Zone to B-Zone
Chemours Necco Park
November 05, 2019

//nybuf03fs01/DupontS/Necco/HydroGeo/Hydro/GW_contours/2019-11-05 NEC Contour Tool/2019-11-05 - ABvgrad - F3.srf

Figure 4
Select B-Zone Monitoring Wells
Groundwater Elevations 2005 through 4th Quarter 2019
Chemours Necco Park



Necco 2019 B Zone Water Elev Trends.xlsx



Wells 149B and 151B are outside the area shown, but were used in the contouring.
Wells 139B, 168B, 170B, D-10, TRW-6, and TRW-7 were not used in the contouring.
Water level elevation for RW-11 was the hourly average from November 5, 2019 at noon from Experion® Process Knowledge System water level probe measurements.

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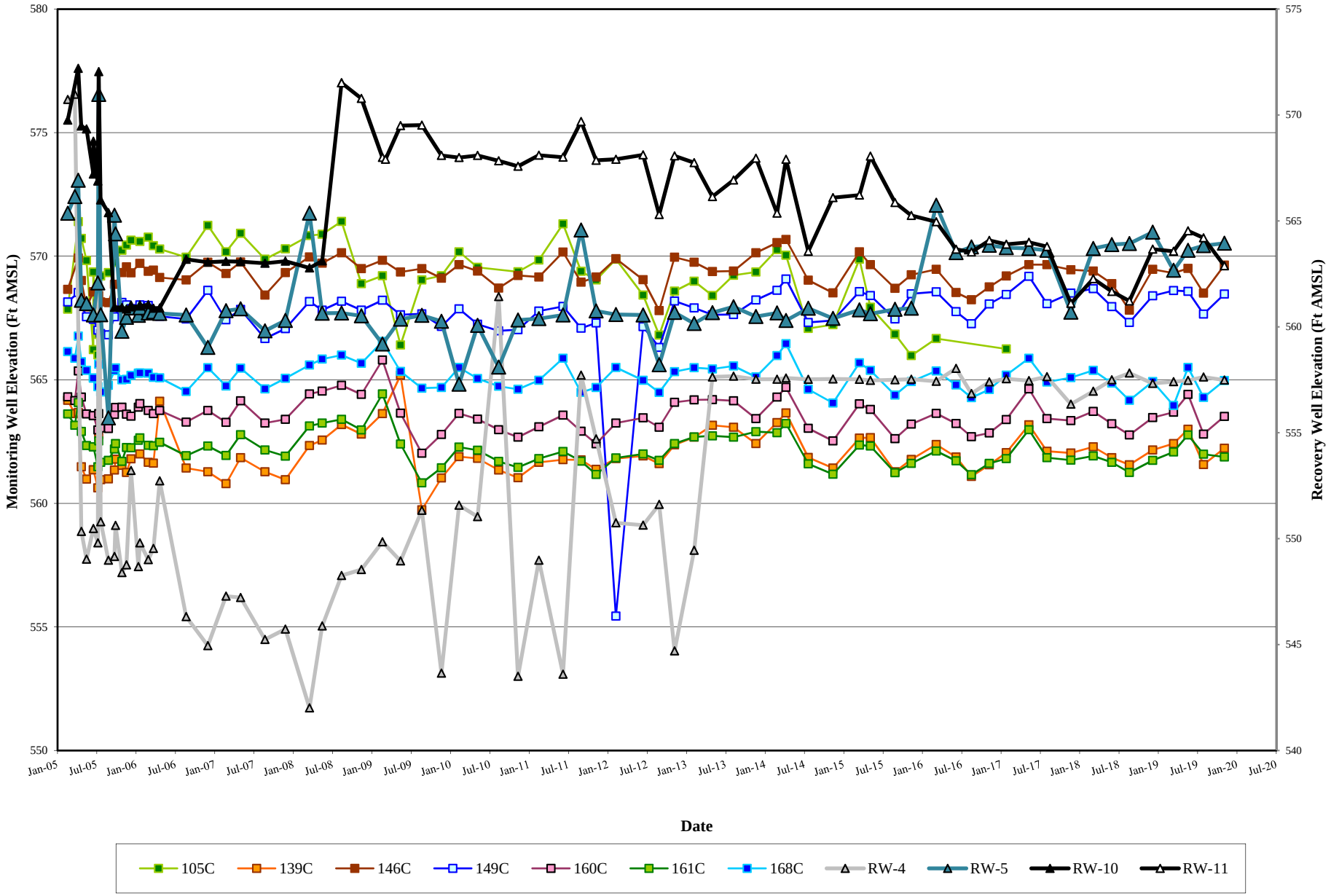
Project Manager: EAF	Date:	01-10-20
Job number: 451999.03000		

LEGEND

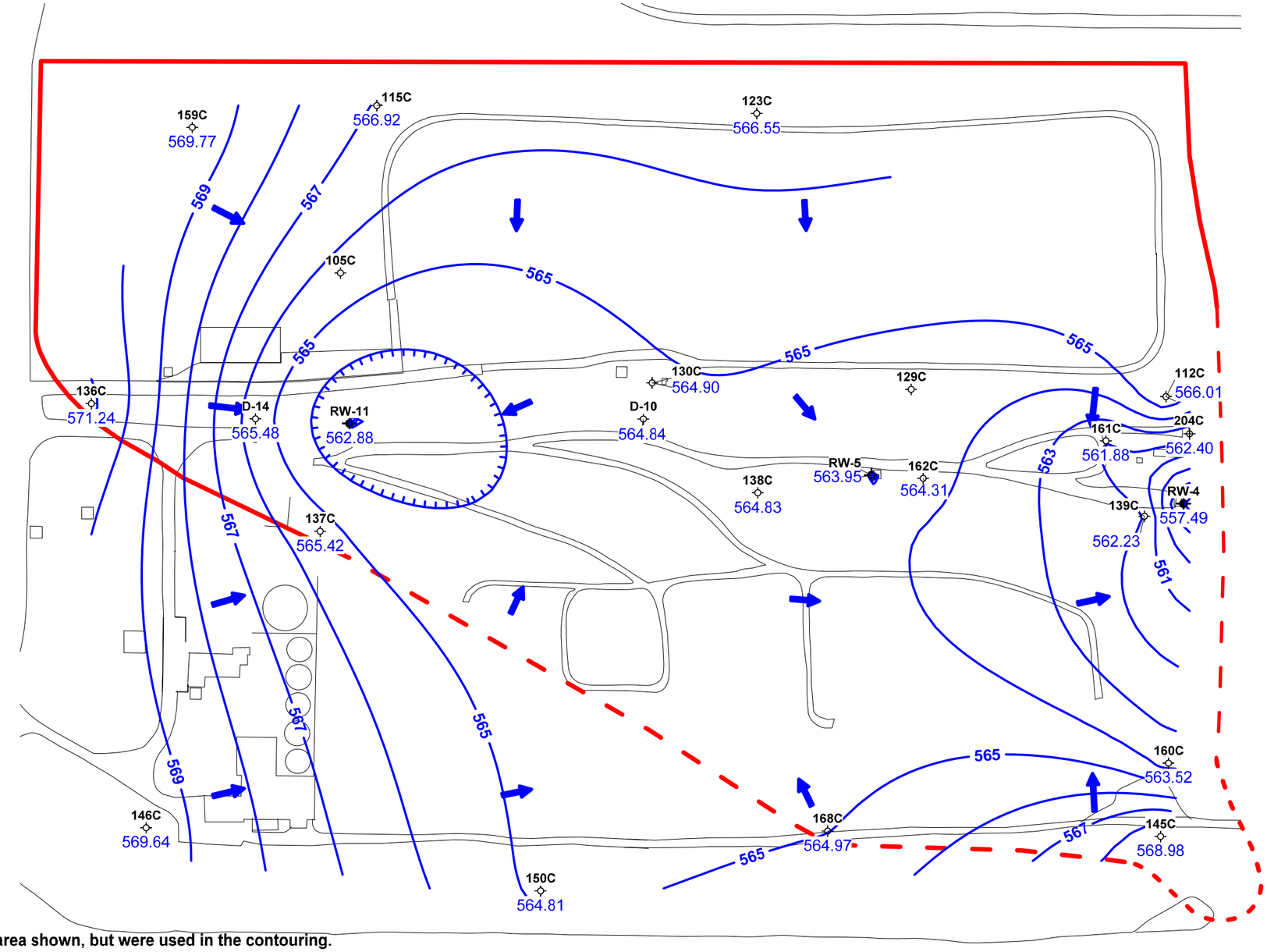
- 3B — Well ID
- Monitoring Well
- Pumping Well
- Potentiometric Contour
- Structure
- Road
- Source Area Extent
- Approximate Location of Bedrock Fractured Blast Trench

Figure 5
Potentiometric Surface Map
Chemours Necco Park: B-Zone
November 05, 2019

Figure 6
Select C-Zone Monitoring Wells
Groundwater Elevations 2005 Through 4th Quarter 2019
Chemours Necco Park



Necco 2019 C Zone Water Elev Trends.xlsx



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.
The water level for 129C was erroneously high and was not used in the contouring.
Well 105C was dry.
Water level elevation for RW-11 was the hourly average for November 5, 2019 at noon from Experion® Process Knowledge System water level probe measurements.

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Job number: 451999.03000	

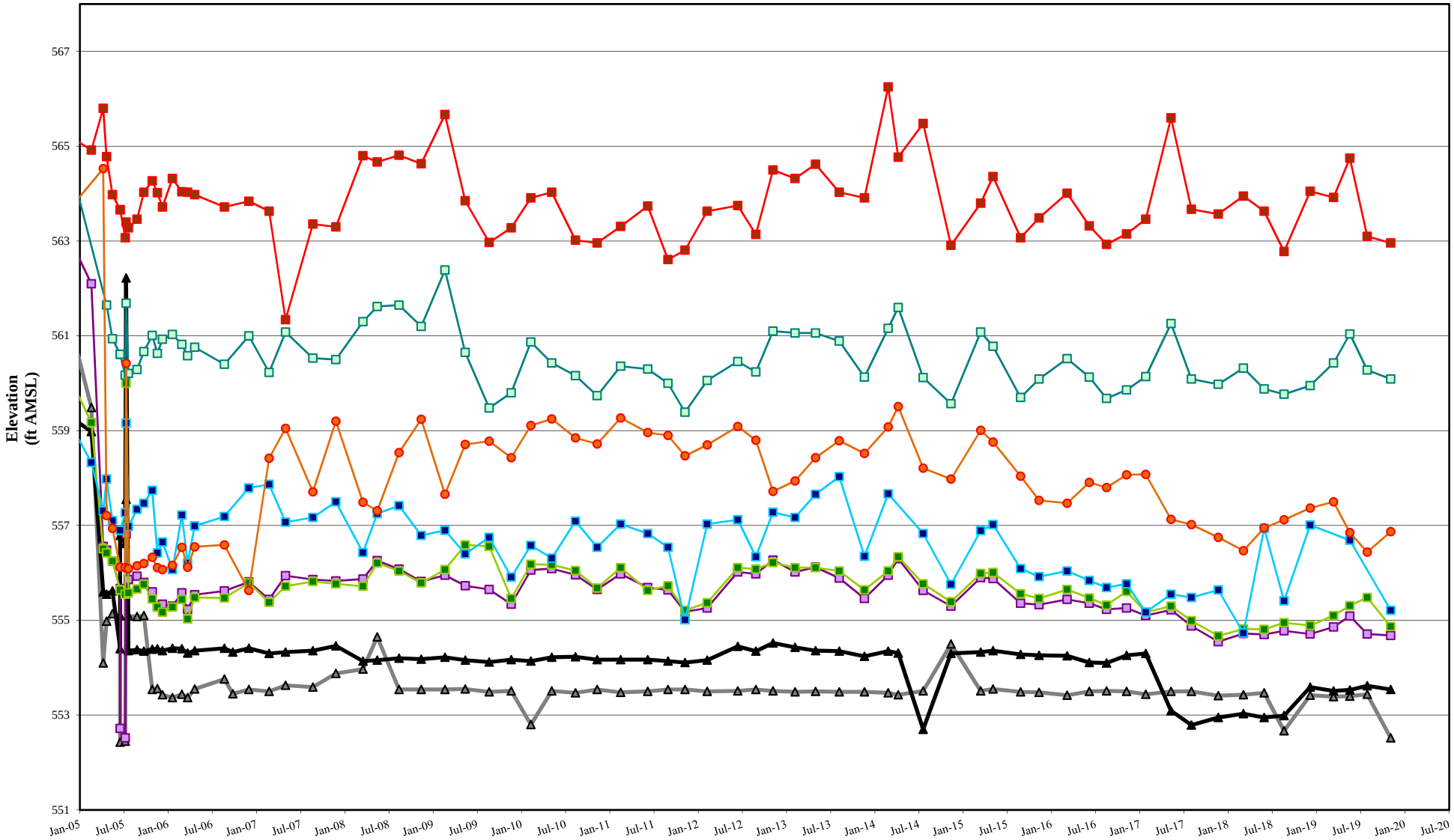
LEGEND

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

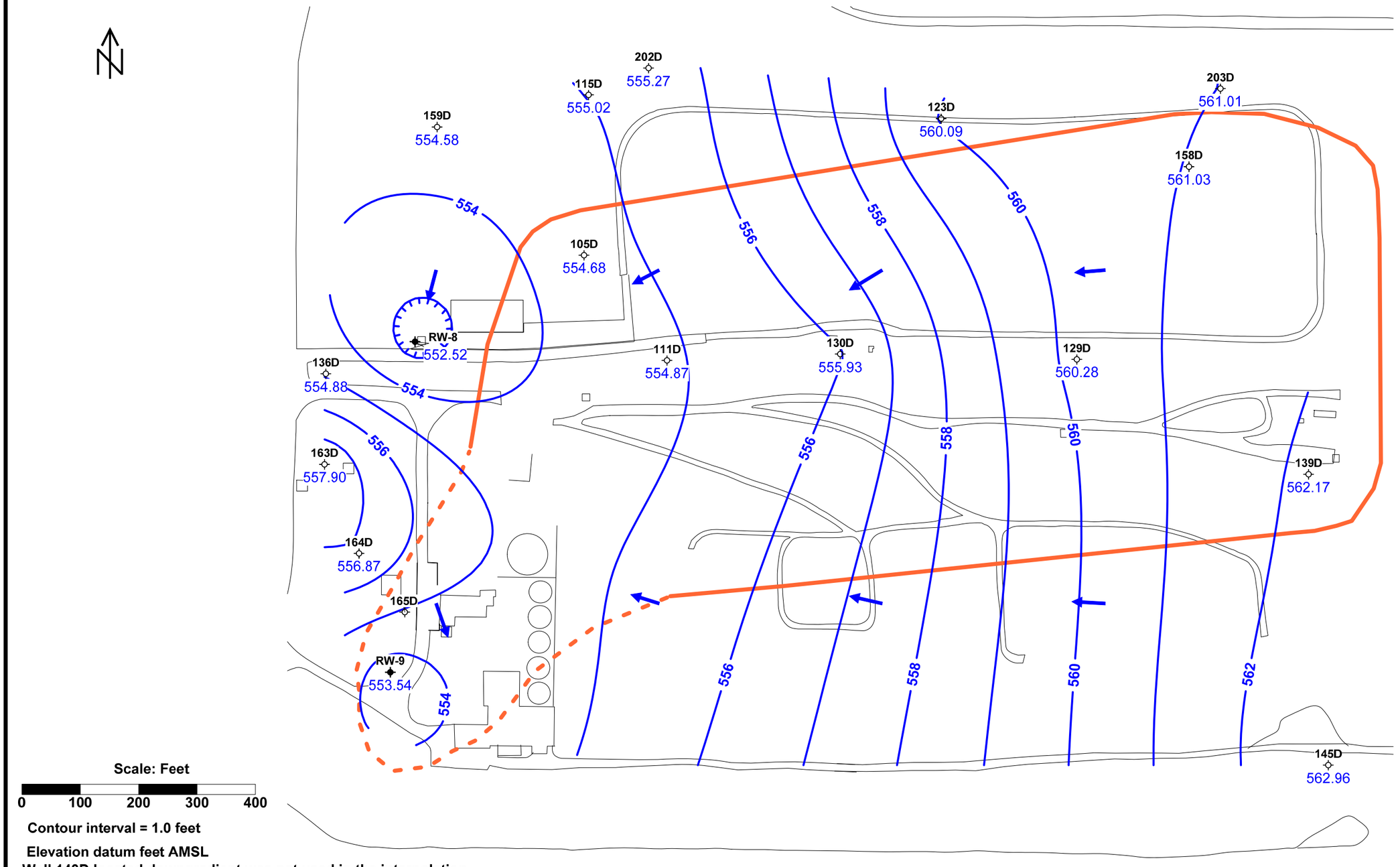
Figure 7
Potentiometric Surface Map
Chemours Necco Park: C-Zone
November 05, 2019

//nybuf03fs01/DuPontS/Necco/HydroGeo/Hydro/GW_contours/2019-11-05 NEC Contour Tool/2019-11-05 - PZ C - F7.srf

Figure 8
Select D-Zone Monitoring Wells
Groundwater Elevations 2005 through 4th Quarter 2019
Chemours Necco Park



Note: Well 149D water level was anomalously high in 1Q19 (564.31) and in 3Q19 (571.2). These events are not included in the hydrograph .



Scale: Feet

0 100 200 300 400

Contour interval = 1.0 feet

Elevation datum feet AMSL

Well 148D located downgradient was not used in the interpolation.
Wells 149D and 165D were not used in the contour interpolation.
Water level elevation for RW-8 was the hourly average for November 5, 2019 at noon from Experion® Process Knowledge System water level probe measurements.

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Project Manager: EAF	Date: 01-10-20
Job number: 451999.03000	

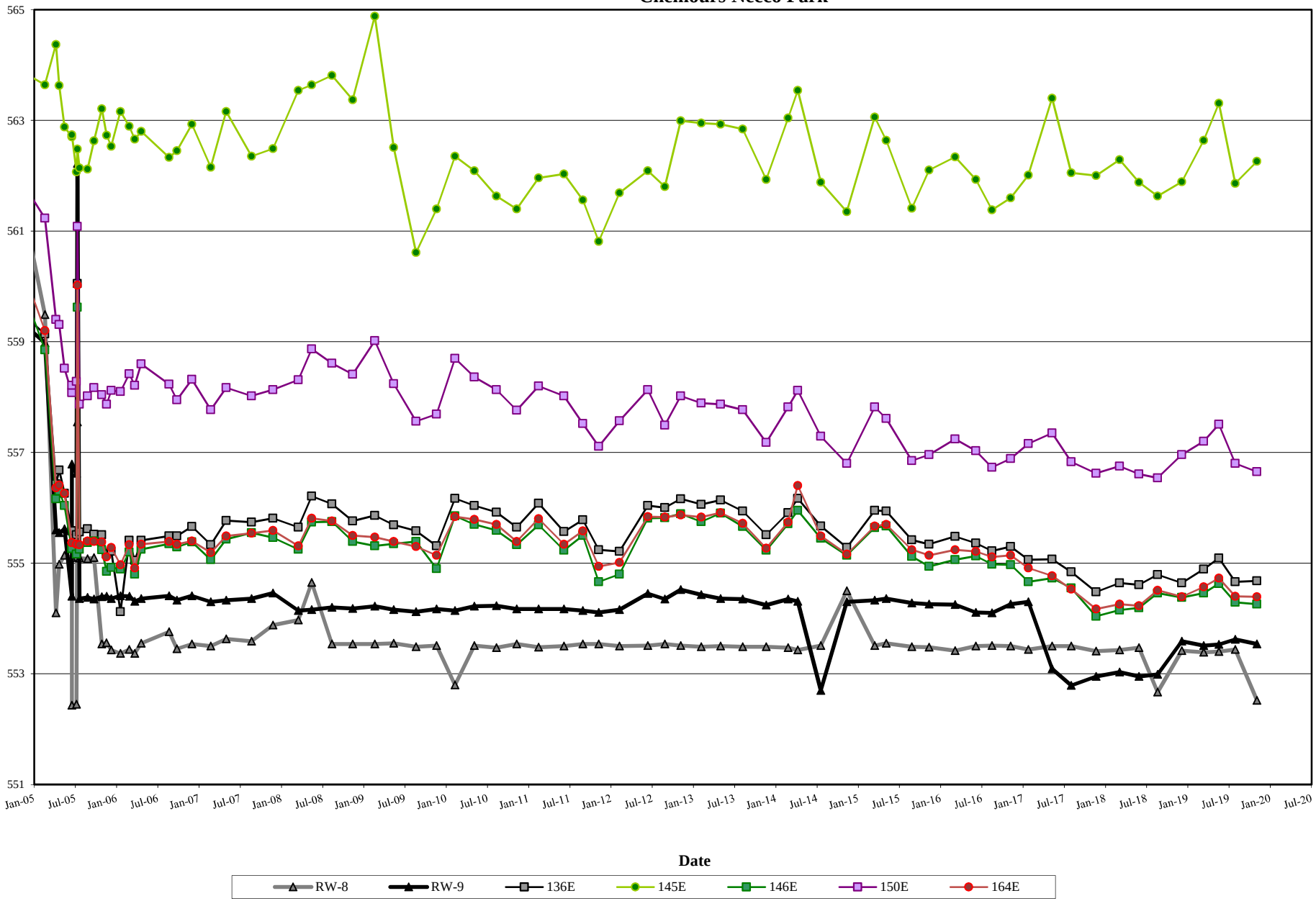
LEGEND

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

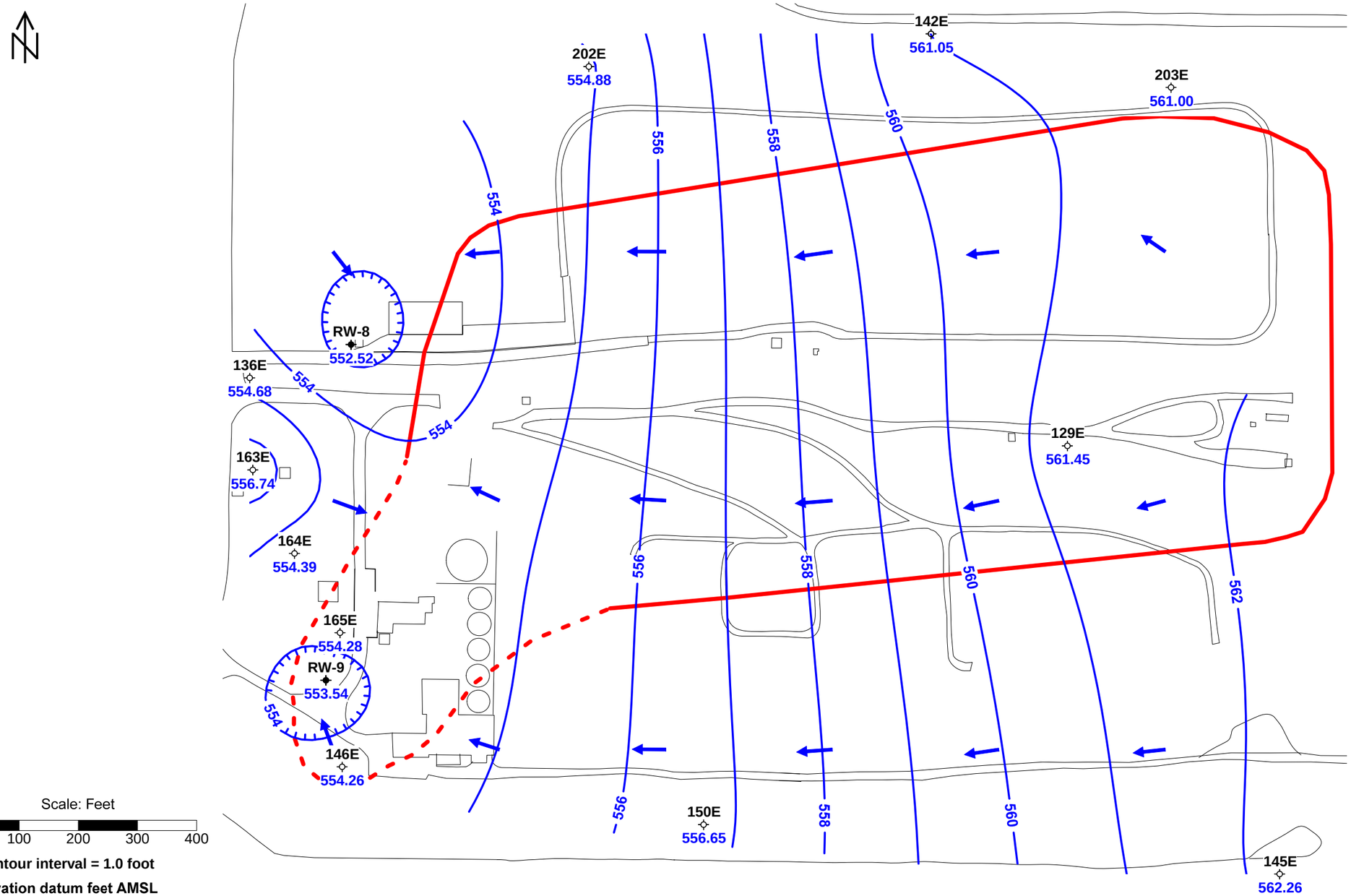
Figure 9
Potentiometric Surface Map
Chemours Necco Park: D-Zone
November 05, 2019

//nybuf03fs01/Dupont$/Necco/HydroGeo/Hydro/GW_contours/2019-11-05 NEC Contour Tool/2019-11-05 - PZ D - F9.srf

Figure 10
Select E-Zone Monitoring Wells
Groundwater Elevations 2005 Through 4th Quarter 2019
Chemours Necco Park



Necco 2019 E Zone Water Elev Trends.xlsx



Scale: Feet

0 100 200 300 400

Contour interval = 1.0 foot

Elevation datum feet AMSL

Water level elevation for RW-8 was the hourly average for November 5, 2019 at noon from Experion® Process Knowledge System water level probe measurements.

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Created by: RBP	Date: 01-06-20
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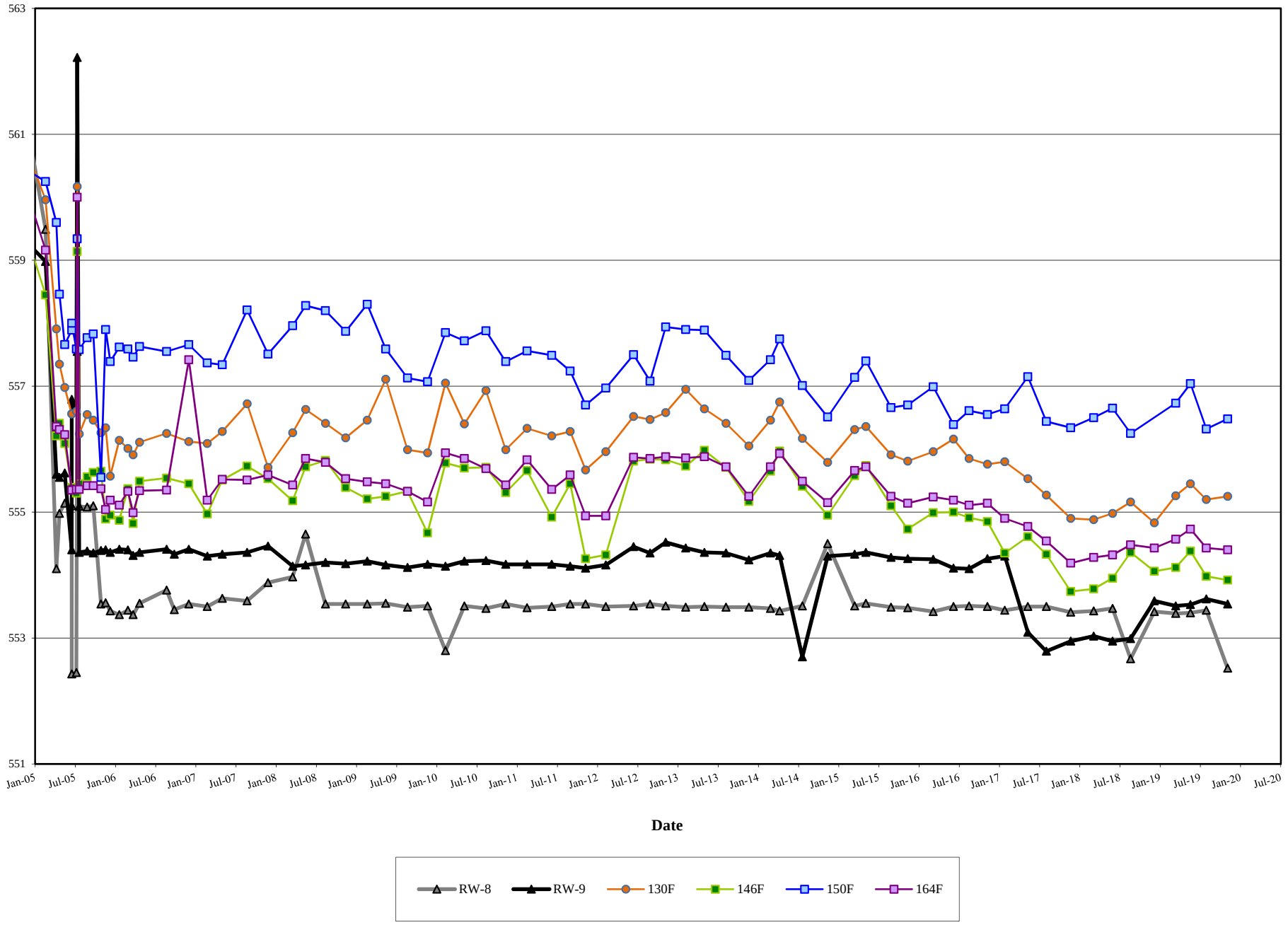
Project Manager: EAF	Date: 01-10-20
Job number: 451999.03000	

LEGEND

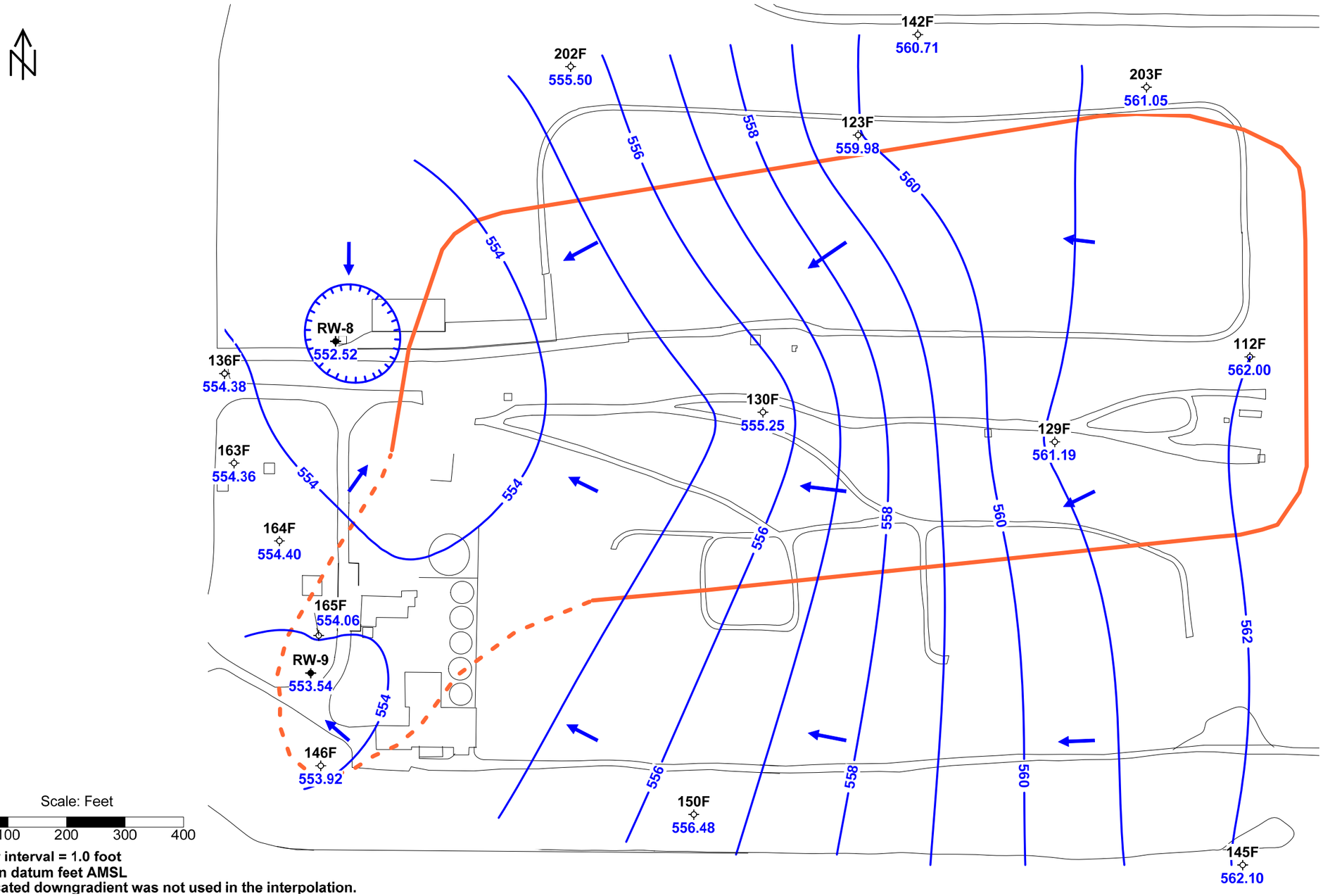
- 3B — Well ID
- Monitoring Well
- Pumping Well
- Potentiometric Contour
- Structure
- Road
- Source Area Extent

Figure 11
Potentiometric Surface Map
Chemours Necco Park: E-Zone
November 05, 2019

Figure 12
Select F-Zone Monitoring Wells
Groundwater Elevations 2005 Through 4th Quarter 2019
Chemours Necco Park



Necco 2019 F Zone Water Elev Trends.xlsx



Contour interval = 1.0 foot
Elevation datum feet AMSL
148F located downgradient was not used in the interpolation.
Water level elevation for RW-8 was the hourly average for November 5, 2019 at noon from Experion® Process Knowledge System water level probe measurements.

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Job number: 451999.03000	

LEGEND

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

Figure 13
Potentiometric Surface Map
Chemours Necco Park: F-Zone
November 05, 2019

//nybuf03fs01/Dupont$/Necco/HydroGeo/Hydro/GW_contours/2019-11-05 NEC Contour Tool/2019-11-05 - PZ F - F13.srf

APPENDIX A

CHEMOURS NECCO PARK
GROUNDWATER ELEVATION DATA
FOURTH QUARTER 2019

APPENDIX A
GROUNDWATER ELEVATION DATA - 4Q19
Chemours Necco Park

Location ID	Date Measured	Depth to Water	Reference Elevation	Groundwater Elevation	Time Measured
102B	11/05/2019	22.32	599.01	576.69	12:21
105C	11/05/2019	well dry	595.28	well dry	12:57
105D	11/05/2019	40.09	594.77	554.68	12:57
111A	11/05/2019	14.45	586.89	572.44	11:28
111B	11/05/2019	13.79	584.94	571.15	11:30
111D	11/05/2019	29.43	584.30	554.87	11:32
112B	11/05/2019	8.96	581.90	572.94	12:05
112C	11/05/2019	16.92	582.93	566.01	12:03
112F	11/05/2019	21.29	583.29	562.00	12:07
115C	11/05/2019	29.01	595.93	566.92	12:41
115D	11/05/2019	41.60	596.62	555.02	12:43
116B	11/05/2019	15.49	590.05	574.56	11:16
118B	11/05/2019	13.24	583.90	570.66	12:10
119A	11/05/2019	12.46	586.34	573.88	11:46
119B	11/05/2019	13.80	586.77	572.97	11:50
120B	11/05/2019	26.02	599.18	573.16	12:36
123A	11/05/2019	21.52	597.93	576.41	12:32
123B	11/05/2019	19.49	595.98	576.49	12:27
123C	11/05/2019	28.87	595.42	566.55	12:25
123D	11/05/2019	36.42	596.51	560.09	12:28
123F	11/05/2019	38.59	598.57	559.98	12:30
129A	11/05/2019	10.90	584.80	573.90	11:58
129B	11/05/2019	13.60	585.24	571.64	11:55
129C	11/05/2019	12.85	585.68	572.83	11:56
129D	11/05/2019	25.75	586.03	560.28	11:53
129E	11/05/2019	19.43	580.88	561.45	11:50
129F	11/05/2019	20.17	581.36	561.19	11:52
130B	11/05/2019	12.58	585.63	573.05	11:37
130C	11/05/2019	20.61	585.51	564.90	11:39
130D	11/05/2019	29.03	584.96	555.93	11:42
130F	11/05/2019	26.24	581.49	555.25	11:20
131A	11/05/2019	1.85	585.43	583.58	12:00
136B	11/05/2019	7.65	581.69	574.04	10:51
136C	11/05/2019	10.38	581.62	571.24	10:49
136D	11/05/2019	24.80	579.68	554.88	10:47
136E	11/05/2019	24.91	579.59	554.68	10:45
136F	11/05/2019	25.95	580.33	554.38	10:40
136F	11/05/2019	25.92	580.33	554.41	13:15
136G	11/05/2019	21.73	579.76	558.03	10:43
137A	11/05/2019	6.33	578.47	572.14	10:57
137B	11/05/2019	7.20	578.31	571.11	10:52
137C	11/05/2019	12.97	578.39	565.42	10:50

APPENDIX A
GROUNDWATER ELEVATION DATA - 4Q19
Chemours Necco Park

Location ID	Date Measured	Depth to Water	Reference Elevation	Groundwater Elevation	Time Measured
137D	11/05/2019	15.12	579.09	563.97	10:54
138B	11/05/2019	11.78	583.98	572.20	11:27
138C	11/05/2019	22.23	587.06	564.83	11:30
139A	11/05/2019	13.47	585.14	571.67	12:02
139B	11/05/2019	5.87	585.39	579.52	12:07
139C	11/05/2019	23.04	585.27	562.23	12:10
139D	11/05/2019	23.32	585.49	562.17	12:12
140A	11/05/2019	6.21	581.55	575.34	12:13
142E	11/05/2019	24.95	586.00	561.05	12:49
142F	11/05/2019	24.98	585.69	560.71	12:48
145A	11/05/2019	4.08	575.84	571.76	12:05
145B	11/05/2019	6.50	575.48	568.98	12:08
145C	11/05/2019	6.92	575.90	568.98	11:37
145D	11/05/2019	13.09	576.05	562.96	11:35
145E	11/05/2019	13.72	575.98	562.26	12:06
145F	11/05/2019	13.95	576.05	562.10	12:08
146AR	11/05/2019	4.85	576.92	572.07	11:14
146B	11/05/2019	6.18	576.90	570.72	11:09
146C	11/05/2019	6.71	576.35	569.64	11:10
146E	11/05/2019	21.82	576.08	554.26	11:12
146F	11/05/2019	22.12	576.04	553.92	11:11
148D	11/05/2019	9.10	579.38	570.28	12:28
148F	11/05/2019	24.72	576.21	551.49	12:27
149B	11/05/2019	3.01	572.87	569.86	12:43
149C	11/05/2019	4.79	573.26	568.47	12:40
149D	11/05/2019	17.65	572.86	555.21	12:37
150A	11/05/2019	4.21	575.86	571.65	11:44
150B	11/05/2019	5.49	575.99	570.50	11:45
150C	11/05/2019	11.32	576.13	564.81	11:46
150E	11/05/2019	19.50	576.15	556.65	11:46
150F	11/05/2019	19.50	575.98	556.48	11:47
151B	11/05/2019	5.93	573.36	567.43	12:17
151C	11/05/2019	4.65	573.18	568.53	12:18
158D	11/05/2019	37.17	598.20	561.03	12:18
159A	11/05/2019	19.25	596.16	576.91	12:46
159B	11/05/2019	24.65	596.37	571.72	12:48
159C	11/05/2019	27.59	597.36	569.77	12:50
159D	11/05/2019	43.09	597.67	554.58	12:51
160B	11/05/2019	12.72	582.75	570.03	11:30
160C	11/05/2019	19.20	582.72	563.52	11:31
161B	11/05/2019	11.12	582.84	571.72	12:25
161C	11/05/2019	20.76	582.64	561.88	12:27

APPENDIX A
GROUNDWATER ELEVATION DATA - 4Q19
Chemours Necco Park

Location ID	Date Measured	Depth to Water	Reference Elevation	Groundwater Elevation	Time Measured
162C	11/05/2019	16.69	581.00	564.31	11:43
163A	11/05/2019	4.68	578.14	573.46	11:02
163B	11/05/2019	4.72	577.94	573.22	11:01
163D	11/05/2019	20.92	578.82	557.90	11:03
163E	11/05/2019	22.32	579.06	556.74	11:05
163F	11/05/2019	24.40	578.76	554.36	11:07
164D	11/05/2019	20.55	577.42	556.87	11:12
164E	11/05/2019	22.93	577.32	554.39	11:11
164F	11/05/2019	22.87	577.27	554.40	11:09
165D	11/05/2019	13.72	577.52	563.80	11:02
165E	11/05/2019	23.28	577.56	554.28	11:03
165F	11/05/2019	23.66	577.72	554.06	11:04
167B	11/05/2019	10.74	580.93	570.19	11:57
168A	11/05/2019	7.06	578.72	571.66	11:20
168B	11/05/2019	26.28	578.90	552.62	11:21
168C	11/05/2019	14.24	579.21	564.97	11:24
169B	11/05/2019	11.10	580.43	569.33	11:29
170B	11/05/2019	10.85	579.10	568.25	11:27
171B	11/05/2019	9.59	579.54	569.95	11:33
172B	11/05/2019	7.38	576.95	569.57	12:01
173A	11/05/2019	7.82	580.71	572.89	11:07
174A	11/05/2019	4.73	577.62	572.89	10:46
175A	11/05/2019	14.43	586.81	572.38	11:23
176A	11/05/2019	6.98	580.03	573.05	11:00
178A	11/05/2019	6.91	579.92	573.01	11:02
179A	11/05/2019	6.10	579.01	572.91	12:51
184A	11/05/2019	6.96	579.88	572.92	11:17
185A	11/05/2019	7.64	580.84	573.20	11:24
186A	11/05/2019	10.74	579.76	569.02	11:33
187A	11/05/2019	9.68	579.94	570.26	11:35
188A	11/05/2019	13.79	580.91	567.12	11:38
189A	11/05/2019	10.84	579.82	568.98	11:45
190A	11/05/2019	11.43	580.58	569.15	11:55
191AR	11/05/2019	9.06	580.62	571.56	12:00
192A	11/05/2019	12.70	584.08	571.38	12:04
193A	11/05/2019	11.31	584.13	572.82	12:20
194A	11/05/2019	13.04	584.35	571.31	12:17
201B	11/05/2019	8.90	579.25	570.35	12:49
202D	11/05/2019	37.46	592.73	555.27	13:03
202E	11/05/2019	37.85	592.73	554.88	13:05
202F	11/05/2019	37.23	592.73	555.50	13:06
203D	11/05/2019	32.84	593.85	561.01	13:11

APPENDIX A
GROUNDWATER ELEVATION DATA - 4Q19
Chemours Necco Park

Location ID	Date Measured	Depth to Water	Reference Elevation	Groundwater Elevation	Time Measured
203E	11/05/2019	32.85	593.85	561.00	13:12
203F	11/05/2019	32.80	593.85	561.05	13:14
204C	11/05/2019	19.37	581.77	562.40	12:22
BZTW-1	11/05/2019	7.89	579.67	571.78	11:22
BZTW-2	11/05/2019	6.51	579.38	572.87	11:05
BZTW-4	11/05/2019	4.47	578.18	573.71	10:58
D-10	11/05/2019	15.18	580.02	564.84	12:35
D-11	11/05/2019	5.09	578.07	572.98	12:44
D-13	11/05/2019	5.61	579.07	573.46	10:42
D-14	11/05/2019	13.53	579.01	565.48	10:40
D-23	11/05/2019	12.21	580.61	568.40	11:48
D-9	11/05/2019	7.52	580.15	572.63	12:38
PZ-205B	11/05/2019	7.11	579.38	572.27	12:41
PZ-A	11/05/2019	7.64	579.06	571.42	12:46
PZ-B	11/05/2019	8.36	579.47	571.11	12:47
RDB-3	11/05/2019	5.17	579.31	574.14	10:52
RDB-5	11/05/2019	4.51	578.57	574.06	10:56
RW-11	11/05/2019	10.39	578.78	568.39	12:53
RW-4	11/05/2019	24.03	581.52	557.49	12:15
RW-5	11/05/2019	14.93	578.88	563.95	11:40
RW-8	11/05/2019	33.60	585.52	551.92	11:20
RW-9	11/05/2019	21.59	575.13	553.54	11:07
TRW-6	11/05/2019	7.71	580.21	572.50	11:09
TRW-7	11/05/2019	6.13	577.89	571.76	10:48

APPENDIX B

CHEMOURS NECCO PARK
GWTF PROCESS SAMPLING RESULTS
FOURTH QUARTER 2019

Appendix B
Summary of Analytical Results
Chemours Necco Park
Fourth Quarter 2019

Method	Code	Parameter Name	Location Date Units	BC-INFLUENT 11/5/2019 FS	DEF-INFLUENT 11/5/2019 FS	COMB-EFFLUENT 11/5/2019 FS	TB 11/5/2019 TB
		Field Parameters					
		COLOR	NONE	Grey	Clear	Clear	
		ODOR	NONE	Strong	None	None	
		OXIDATION REDUCTION POTENTIAL	MV	-120.8	-206.1	-72.9	
		PH	STD UNITS	5.7	6.92	7.37	
		SPECIFIC CONDUCTANCE	UMHOS/CM	6778	4718	2798	
		TEMPERATURE	DEGREES C	13.5	12.5	13.7	
		TURBIDITY QUANTITATIVE	NTU	36.9	54.7	11.2	
		Volatile Organics					
8260C	79-34-5	1,1,2,2-Tetrachloroethane	UG/L	5000	1500	23	<0.13
8260C	79-00-5	1,1,2-Trichloroethane	UG/L	3600	2500	7	<0.09
8260C	75-35-4	1,1-Dichloroethene	UG/L	450	320 J	<0.19	<0.19
8260C	107-06-2	1,2-Dichloroethane	UG/L	600	220 J	0.43 J	<0.21
8260C	56-23-5	Carbon Tetrachloride	UG/L	8800	1200	<0.26	<0.26
8260C	67-66-3	Chloroform	UG/L	20000	3400	21	<0.13
8260C	156-59-2	cis-1,2 Dichloroethene	UG/L	9700	12000	1.7	<0.16
8260C	75-09-2	Methylene Chloride	UG/L	3100	5200	<2.6	<2.6
8260C	127-18-4	Tetrachloroethene	UG/L	12000	780	1.7	<0.15
8260C	156-60-5	trans-1,2-Dichloroethene	UG/L	470	720	<0.19	<0.19
8260C	79-01-6	Trichloroethene	UG/L	17000	4800	3.6	<0.1
8260C	75-01-4	Vinyl Chloride	UG/L	2500	2000	<0.2	<0.2
		Total VOCs		83220	34640	58.43	0

< Not detected at stated reporting limit

J Estimated concentration