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

April 15, 2010

Mr. Todd M. Caffoe, P.E.
Environmental Engineer 2
New York State Department of Environmental Conservation – Region 8
6274 East Avon-Lima Road
Avon, New York 14414

Re: **DuPont Driving Park Facility**
666 Driving Park, Rochester, New York
Addendum to Remedial Investigation Report
Index # B8-0735-07-01
Site #C828142

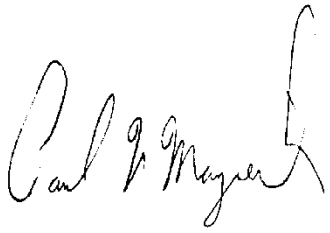
Dear Mr. Caffoe:

Enclosed are two copies of the Addendum to the February 2009 Remedial Investigation Report for the 666 Driving Park Site in Rochester, New York. This addendum includes the results from the additional investigation activates that were completed in 2009, and addresses comments from your April 2009 letter.

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:

Bart Putzig, Lisa LoMaestro Silvestri, Maura Desmond, NYSDEC
Katherine Comerford, NYSDOH
Joseph Biondillo, Mark Gregor, City of Rochester; Jeff Danzinger, Day Environmental
Joseph Albert, Monroe County Health Dept.
Steve Rahaim, Steve Sterenchock, Maryann Nicholson, DuPont
Carol Luttrell, CRG Projects Database/Project No. 507463
Jeffrey Poulsen, Parsons

PARSONS

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March 10, 2010

Paul F. Mazierski
Project Director
DuPont Corporate Remediation Group (CRG)
Buffalo Avenue & 26th Street
Niagara Falls, NY 14302

Re: E.I. DuPont Site 666 Driving Park Avenue (Site C828142)
Addendum to Remedial Investigation Report

Dear Mr. Mazierski:

Provided herein, on behalf of the DuPont Corporate Remediation Group, is an addendum to the February 2009 Remedial Investigation Report (RIR) for the E. I. DuPont (DuPont) site located at 666 Driving Park Avenue in Rochester, New York (Site). This addendum provides the results of additional onsite investigation activities DuPont agreed to complete in their May 27, 2009 response to New York State Department of Environmental Conservation (NYSDEC) April 22, 2009 comments on the RIR. The addendum also provides revisions and corrections requested by NYSDEC. The onsite investigation activities and affected portions of the RIR are discussed below.

Metals Delineation

Cadmium and Silver in Area 2

Three additional soil samples were collected in Area 2 to delineate the northern extent of cadmium (and silver) contamination. The samples (A20R15, A20R16, A20R17) were collected from a depth of zero to two feet, ten feet north of sample location A20R14. Samples were collected in accordance with the NYSDEC-approved Remedial Investigation Work Plan (May 2008) (RIWP). Consistent with the RIR, the investigation results discussed herein are compared to the Soil Cleanup Objectives (SCOs) in the New York State Brownfield Cleanup Program Development of SCOs Technical Support Document. (NYSDEC, 2006). The laboratory analytical results are summarized on the attached Table 1. Ten feet north of A20R14, cadmium and silver exceeded criteria at sample location A20R15. At A20R16 and A20R17, respectively ten and twenty feet north of A20R15, cadmium and silver were reported below criteria. The northern extent of Area 2 for cadmium and silver contamination has been delineated at sample location A20R16. Figure 1 (see attached) shows sample locations and analytical results for these additional samples. Historical sample locations and results are also shown on Figure 1, including the corrected result for silver at location B-2 (5 to 7 feet). In the RIR, Figure 4.4 incorrectly showed an exceedence of restricted residential values for silver at location B2.

Lead at Boring B-S-06

Per the NYSDEC request, additional soil samples (A20R18, A20R19, A20R20, A20R21) were collected and analyzed for lead in the vicinity of boring B-S-06. B-S-06 is located in Area

2 (Figure 1). The RIR showed that lead in B-S-06 exceeded the restricted residential criteria. Delineation sampling and laboratory analysis was conducted to determine if there was a significant source for in the vicinity of the boring. Sampling was completed as described in the RIWP. Lead results for all four soil samples were below criteria. Thus, it does not appear that a significant source for lead exists in the vicinity of B-S-06. Analytical results for lead in these borings are summarized on Table 1 (see attached).

Cadmium and silver analyses was also completed on samples collected from delineation borings advanced in the vicinity of boring B-S-06. The four samples (A20R18, A20R19, A20R20, A20R21) were collected from a depth interval of one to three feet. Figure 1 shows the sample locations. Cadmium and silver results for these samples are summarized on Table 1. The cadmium and silver results exceeded criteria at two sample locations A2OR18 and A2OR21. Sample A20R18 is within the portion of Area 2 that was above criteria as defined in the RIR. Sample A20R21 is at the western edge of the area defined in the RIR. Additional sampling west of A20R21 is limited by the fence and the possibility of underground utilities.

Cadmium at TP-L05 and TP-L07

To delineate the extent of cadmium contamination in the vicinity of Area 7, eight additional samples from the zero to two foot depth interval were collected in the vicinity of test pit TP-L05. Delineation samples were also collected in the vicinity of test pit TP-L07 from the 0 to 2 feet and at 4.5 feet depths. The soil samples for these two locations were collected as described in the RIWP and submitted for cadmium analysis. Analytical results are presented on Table 1. In addition to showing the location of the samples recently collected to delineate cadmium, Figure 2 also shows the analytical results for metals in the soil samples collected from TP-L05 and TP-L07. These results, obtained during the RI were added to Figure 2 per the NYSDEC request.

At TP-L05 the outer ring delineation samples defines the extent of cadmium impacts north, east and west of the test pit. Sample DTP-L05-6, located south of TP-L05, exceeded criteria for cadmium. In the vicinity of TP-L07, cadmium exceeded the criteria in all three delineation samples collected. Figure 2 shows the cadmium results for all the samples collected near TP-L05 and TP-L07. As seen on the figure, cadmium north, west, and east of test pit TP-L05 has been delineated. Additional delineation sampling is warranted in the vicinity of DTP-L05-6 south of TP-L05 and at test pit TP-L07.

The reported chemistry data for all collected soil samples was submitted for a limited independent data validation by Environmental Standards, Inc. or was evaluated in-house using the DuPont Data Review (DDR) process as described in the project QAPP, Section 4.2.1. The complete Data Usability Summary Report (DUSR) prepared by Environmental Standards, and/or DuPont, are included on the attached CD.

Groundwater Flow

Water-level measurements were recorded on May 19, 2009 (see attached Table 2). A groundwater potentiometric surface map was prepared for this date and is attached as Figure 3.

Consistent with flow observed in the RI, the predominant groundwater flow direction is to the north, away from the former process areas. On the northern part of the parcel the northerly flow direction has remained consistent for all rounds of data collected. On the southern part of the parcel, a groundwater high exists, with the highest groundwater elevations observed at the southern property boundary in the vicinity of monitoring wells MW-03, and MW-07. This groundwater high may be attributed to storm sewers located beneath Driving Park Avenue. As stated in the RIR, these local storm sewers are constructed in bedrock and may influence groundwater flow at and near the site.

Round 2 Groundwater Sampling

Groundwater samples were collected using low-flow sampling methods on May 19, 20, and 21, 2009. The pump intake was positioned at the most prominent bedrock fracture or at the midpoint of the open rock hole, if a prominent fracture had not been observed during installation of the well. The wells were purged prior to sampling. During well purging, pH, specific conductance, turbidity, dissolved oxygen, oxidation/reduction potential, color, odor, and temperature were measured at regular intervals until stabilization was reached. Stabilization was considered achieved when three consecutive readings of each indicator parameter, taken at three to five minute intervals, were within the following limits:

- pH (+/- 0.1 units)
- Specific conductance (within 3%)
- Turbidity [10% for values greater than 5 Nephelometric Turbidity Units (NTUs)]
- Temperature (within 3%)

Once purging was complete, the well was sampled through the discharge tubing of the pump by directly filling the laboratory-supplied sample containers. Data collected during well purging is provided on Table 3.

A total of eight groundwater samples were collected during the second round of sampling. Analytical results from the second round of sampling are provided on attached Table 3 and presented in Figure 4. Sample results have been compared to NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1) (NYSDEC 1998). The groundwater data generated for this round of sampling was submitted for independent data validation by Environmental Standards, Inc and was also evaluated in-house using the DuPont

Data Review (DDR) process as described in the project QAPP, Section 4.2.1. The DUSR prepared by Environmental Standards, and DuPont, are provided on the attached CD.

The groundwater analytical results are discussed below.

Volatile Organic Compounds

Second round monitoring results from monitoring well MW-03 indicated the presence of volatile organic compounds (VOCs) including trichlorothene, *cis* 1,2-dichloroethene, and vinyl chloride at concentrations above TOGS 1.1.1. As discussed in the RIR, these chlorinated solvents were not used at the site and were not detected in site soils. During the first round of sampling, chlorinated VOCs were detected in MW-07 at concentrations above TOGS 1.1.1. In the second round, no VOCs were detected in the well. Given the groundwater flow direction, and the close proximity of MW-03 to the southern property boundary, the chlorinated VOCs found in the well are attributed to an off-site source.

Polynuclear Aromatic Hydrocarbons (PAHs)

During this round of sampling only chrysene was reported above with concentrations above the criteria in monitoring well MW-07. In the previous sampling round chrysene was not detected in MW-07. In the first round of sampling, PAHs were reported above criteria in two wells MW-03, and MW-05. During the second round PAHs were detected in these wells but concentrations were below criteria.

Pesticides/PCBs

With approval from the NYSDEC pesticides/PCBs have been removed from the groundwater sampling parameter list. As such, they were not sampled during the second round of sampling.

Metals

During the second round of sampling the metals associated with former processes were detected in groundwater at concentrations below criteria. Cadmium was detected below criteria in all the wells. Chromium was detected below criteria in three wells (MW-5, MWS-7, MW-9). Lead was detected in all of the wells at levels below the criteria. Consistent with the first round of sampling, iron, magnesium and sodium were reported at concentrations above criteria.

PFOA

In addition to Target Analyte List (TAL)/Target Compound List (TCL) parameters, groundwater samples collected during this phase of work were also analyzed for

Perfluorooctanoic Acid (PFOA). A sample was collected from each of the monitoring wells and submitted for analysis. Sample results are provided on Table 3 and presented in Figure 4.

With one exception, all reported groundwater results were below the 0.4 µg/l advisory level used in the RIR. The exception occurred at well MW-09 where the concentration of PFOA was 1.5 µg/l. Overall, this round of sampling is consistent with the first and does not indicate a specific source or downgradient plume for this compound.

Exposure to VOCs and Vapor Intrusion

In the RIR the groundwater discussion in Section 5.1.1 stated that the site lacked buildings and future use of the site was anticipated to be recreational such that there would be no complete pathway for vapor intrusion from groundwater. Thus, no consideration of a completed pathway and vapor intrusion from groundwater was given in Section 5.4 (Potentially Complete Exposure Pathways) of the exposure assessment. Based on NYSDEC's comments, Sections 5.1.1 (Sources of Screening Criteria) and Section 5.4 (Potentially Complete Exposure Pathways) have been revised to consider exposure to VOCs from groundwater and vapor intrusion based on potential future use of the site. Provided below are revisions to the appropriate sections of the exposure assessment in the RIR.

Section 5.1.1 - Groundwater

Constituents detected in groundwater were compared to groundwater standard values TOGS 1.1.1 (NYDEC 1998). TOGS are derived for residential use of groundwater. However, this provides an extremely conservative screening assessment because groundwater use is prohibited by a City of Rochester ordinance. Because the site lacks buildings, there is currently no complete pathway for vapor intrusion from ground water into building. Future use of the site is anticipated to be recreational. However, it is likely that the property could be used for commercial or industrial purposes. Thus consideration of vapor intrusion has been included in the exposure assessment.

Section 5.4.3 Groundwater

As previously discussed, direct contact with groundwater is not a complete pathway both under current and future land use. An ordinance prohibiting groundwater use will stay in effect into the future. Since depth to groundwater is greater than ten feet below ground surface, incidental contact with groundwater during intrusive activities, including construction, is unlikely.

While direct contact to groundwater is not a complete pathway, there may be potential migration of volatile constituents from groundwater through the soil column and into occupied buildings. This vapor intrusion pathway can result in potential exposure through inhalation of these vapors by humans.

Under current land use, there are no buildings on the site. Future residential land use of property is not expected, however commercial or industrial buildings cannot be ruled out. Vapor intrusion may become a complete exposure pathway if land use changes and newly constructed buildings do not have proper engineering controls as part of the design.

Well Construction Logs

In the RIR, the well construction logs did not clearly depict the well construction, showing the top and bottom of the rock socket at the same elevation in all of the construction logs. The corrected well construction logs are attached.

CONCLUSIONS

Based on the additional data collected during this phase of work the following conclusions can be drawn:

- The northern extent of cadmium and silver contamination in surface soils has been delineated in Area 2. No further delineation work is warranted.
- A significant source for lead does not exist in the vicinity of B-S-06.
- The extent of cadmium contamination north, west, and east of test pit TP-L05 has been delineated. Additional sampling south of TP-L05 is warranted.
- Additional delineation is warranted at TP-L07.
- The groundwater high that exists at the southern property boundary in the vicinity of monitoring wells MW-03, and MW-07 may be attributed to storm sewers located beneath Driving Park Avenue. Additional hydraulic monitoring is not warranted unless there is a change in land use and buildings are constructed.
- VOC concentrations in groundwater decreased in both MW-03 and MW-07 from the first round. VOCs detected at concentrations above TOGS 1.1.1 were detected in only one well (MW-03) during this round. VOCs were not detected in MW-07 this round. Additional monitoring in not warranted given the current land use.
- The only PAH reported above criteria in groundwater was chrysene in monitoring well MW-07.
- During the second round of sampling the metals associated with former processes were not detected in groundwater at concentrations above criteria. It appears there is no impact to groundwater from metals used in the former processes.

- PFOA was present in one well above the 0.4 µg/l advisory level. There does not appear to be a significant source.

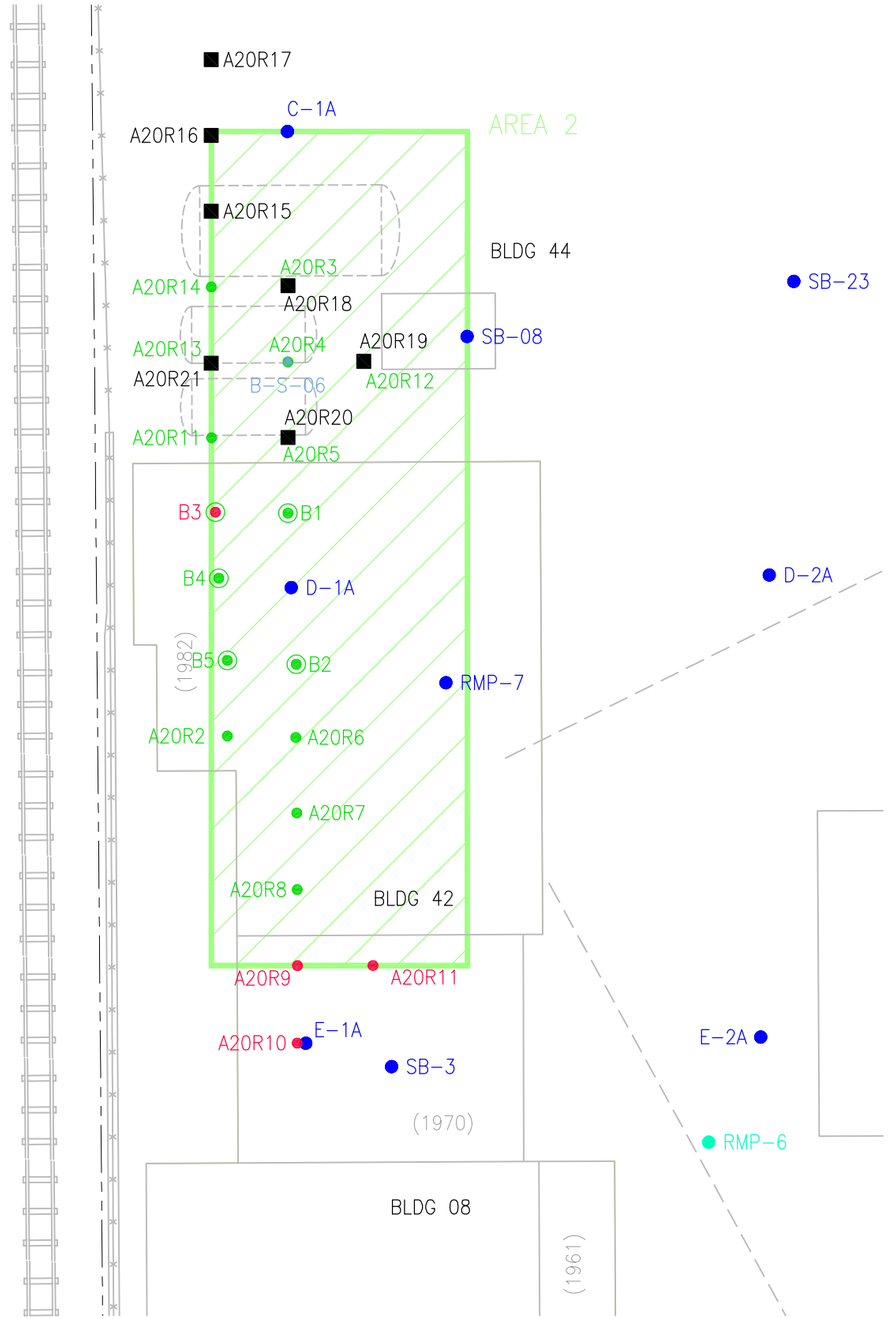
Feel free to contact me at (716) 432-7685 if you have any questions or comments.

Sincerely,

Jeff Poulsen
Project Manager

cc: File (445424, No. 9)

Figures



A20R17
0
4
FS
1.35
54.4

A20R16
0
4
FS
0.676
18.6

A20R15
0
4
FS
9.5J
392

A20R1	A20R1
0	2
2	4
FS	FS
45.7	<0.179
481J	7.65J

A20R2	A20R2	A20R2	A20R2
0	2	3	3
2	3	5	5
FS	FS	FS	DUP
8.11	21.2	3.66	2.29
242J	447J	132	81

B1	B1
0	2
2	4
FS	FS
11.3J	1.17J
352	40.9

B2	B2	B2
0	2	5
2	4	7
FS	FS	FS
6.89J	1.02J	7.81J
376	10.8	40.7

B4	B4	B4	B4
0	2	4	6
2	4	6	7
FS	FS	FS	FS
22.3J	26.3J	1.95J	0.264J
919	1,100	62.5	9.1

B5	B5	B5
0	2	4
2	4	6
FS	FS	FS
27.9J	<0.163R	<0.162R
726	0.944	3.15

D-1A	D-1A
1	6.5
6	7.5
FS	FS
213	1,590
317J	408

E-1A
6.5
7.7
FS
<0.099
<0.110

SB-3	SB-3
0	2
2	4
FS	FS
0.58	0.82
10.8	1.1

RMP-7
5
7
FS
1.69
59.7

SB-8	SB-8
2	0
4	2
FS	FS
0.57	0.6
1.7	8.5

C-1A	C-1A
3	7
4	8
FS	FS
0.36	0.36
1.4J	1.4J

A20R8	A20R8	A20R8
0	2	4
2	4	6
FS	FS	FS
37.3	38.5	25
1,100	324	581

A20R9	A20R9	A20R9
0	2	4
2	4	6
FS	FS	FS
0.156J	1.41	<0.169
2.67	55.2	1.46

A20R11	A20R11	A20R11
0	2	4
2	4	6
FS	FS	FS
0.288J	<0.146	0.435J
5.72	3.33	1.65

A20R6	A20R6	A20R6
0	2	4
2	3.5	6
FS	FS	FS
4.12	28.7	4.62
203J	393J	185

A20R7
0
2
FS
7.61
286

A20R18
0
3
FS
42.8
803

A20R19
0
3
FS
2.04
52

A20R20
0
3
FS
0.836
32.6

A20R21
0
4
FS
8.92
284

A20R3	A20R3
0	2
2	4
FS	FS
3.65	0.553J
1.03	0.615

A20R4	A20R4
0	2
2	4
FS	FS
5.59	0.917
185	0.648

A20R5	A20R5	A20R5
0	0	2
2	2	3
DUP	FS	FS
7.57	9.47	1.3
276J	466J	40.8J

A20R12
0
2
FS
3.16
136

A20R13	A20R13
0	0
2	2
FS	DUP
1.88	6.1
53.7	248

A20R14
0
2
DUP
82
940

20 10 0 20 40

SCALE: 1"=20'

NOTES:

1. ANALYTICAL RESULTS FOR SAMPLES COLLECTED PRIOR TO 2009 CAN BE FOUND IN THE FEBRUARY 2009 REMEDIAL INVESTIGATION REPORT.

ANALYTICAL DATA LEGEND:

		LOCATION	A20R8	A20R3
		TOP (FT)	0	2
		BOTTOM (FT)	2	4
LAB ANALYTE	UNITS	DUPLICATE	FS	FS
CADMIUM	mg/kg		37.3	0.553J
SILVER	mg/kg		1,100	0.615

SHADING INDICATES ANALYTICAL RESULTS EXCEEDS SCREENING CRITERIA.

ALL ANALYTICAL RESULTS IN mg/kg.

FS = FIELD SAMPLE

DUP= DUPLICATE FIELD SAMPLE RESULT.

CADMIUM SCREENING CRITERIA= 4.3 mg/kg.

SILVER SCREENING CRITERIA= 180 mg/kg.

LEGEND:

(1982) FORMER BUILDING NUMBER

PROPERTY LINE

CONTAMINATED AREA

SB-23 PREVIOUS BORING OR TEST PIT SAMPLE LOCATION

A20R3 2008 BORING ANALYTICAL RESULTS ABOVE SCREENING CRITERIA

A20R10 2008 BORING ANALYTICAL RESULTS BELOW SCREENING CRITERIA

B1 2008 INNER BORING

A20R15 2009 SAMPLE LOCATION

FIGURE 1

DuPont
666 DRIVING PARK SITE
ROCHESTER, NEW YORK

AREA 2 SOIL RESULTS CADMIUM AND SILVER

PARSONS
40 LA RIVIERE DRIVE, BUFFALO NY 14202, PHONE: (716)541-0730

FILE NAME: P:\DUPONT PROGRAM\445424- DUPONT - RDF\ENGR\CAD\CIVIL\445424C001.DWG
PLOT DATE: 3/5/2010 8:37 AM PLOTTED BY: GOLDTHWAIT, JAMES

B6	B6	B6
0	2	4
2	4	6
FS	FS	FS
2.86	0.815	0.647

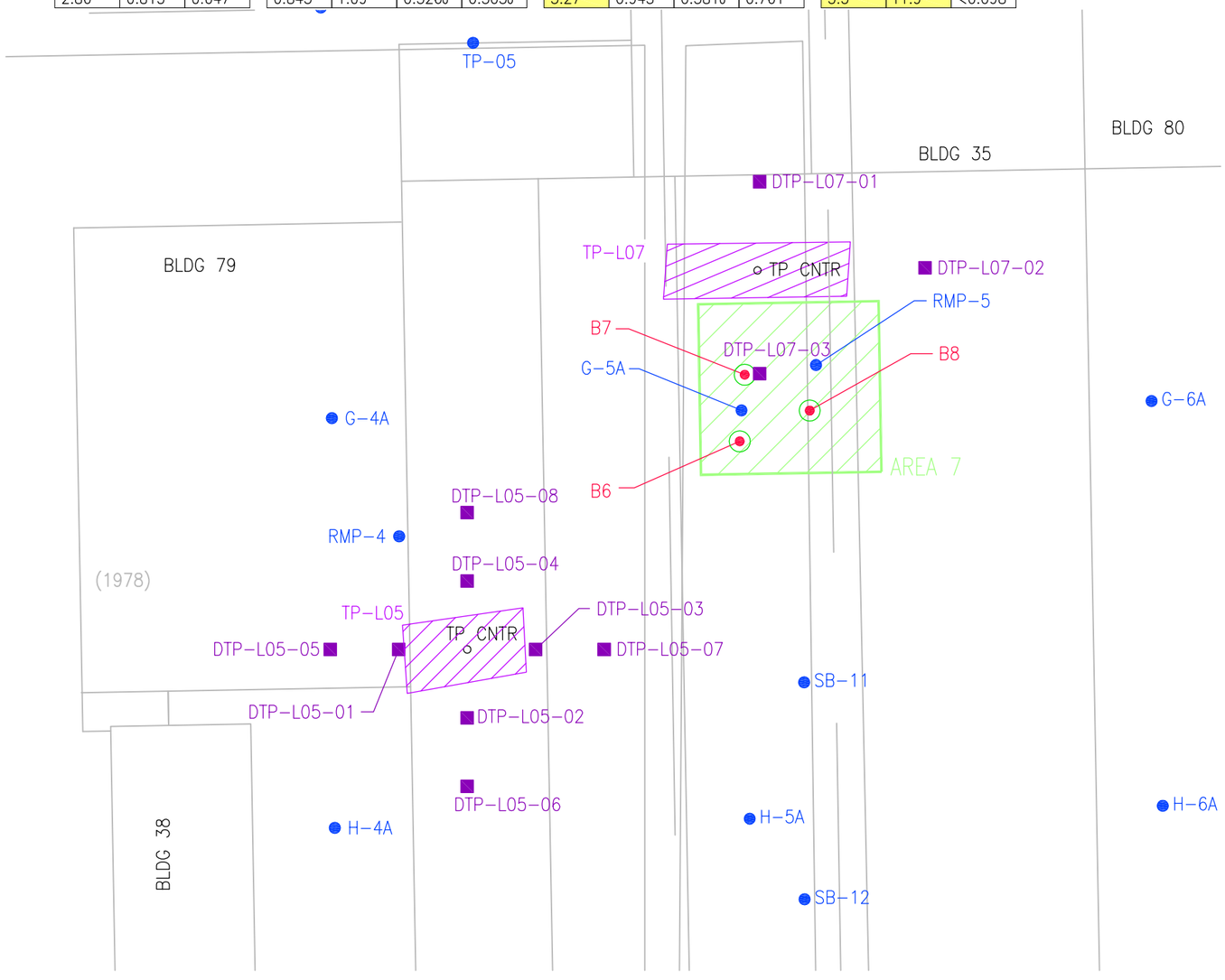
B7	B7	B7	B7
0	2	4	4
2	4	6	6
FS	FS	DUP	FS
0.843	1.09	0.326J	0.505J

B8	B8	B8	B8
0	2	4	4
2	4	6	6
FS	FS	DUP	FS
5.27	0.945	0.381J	0.761

RMP-5	G-5A	G-5A
4	0.5	6.2
6	6	6.9
FS	FS	FS
5.3	11.9	<0.098

LAB ANALYTE	TP-L05	TP-L05
	8/26/08	8/26/08
	0	5.5
	2	5.5
FILL (F) NATIVE (N)	F	N
ALUMINUM	7,730	17,400
ANTIMONY	ND (0.255) UJ	ND (0.312) UJ
ARSENIC	4.49	7.96
BARIUM	59.7	59.1
BERYLLIUM	0.276 J	0.733
CADMIUM	17.1 J	ND (0.182)
CALCIUM	104,000 J	7,270 J
CHROMIUM (1)	12.1 J	17.4 J
COBALT	3.42	5.15
COPPER	29.1 J	9.17 J
IRON	13,900	21,400
LEAD	46.8	24
MAGNESIUM	37,200	4,250
MANGNESIUM	325	277
MERCURY	0.0756 B	0.0803 B
NICKEL	8.32	9.8
POTASSIUM	3,130 J	4,120 J
SELENIUM	ND (1)	ND (1.22)
SILVER	530 J	0.694 J
SODIUM	219	341
THALLIUM	ND (0.162) UJ	ND (0.197) UJ
VANADIUM	18	27.8
ZINC	134 J	64.8 J

LAB ANALYTE	TP-L07	TP-L07
	8/26/08	8/26/08
	0	5.5
	2	5.5
FILL (F) NATIVE (N)	F	N
ALUMINUM	8,840	14,500
ANTIMONY	ND (0.273) UJ	ND (0.287) UJ
ARSENIC	4.56	7.28
BARIUM	44.2	51.4
BERYLLIUM	0.409 J	0.482 J
CADMIUM	43.7 J	58.6 J
CALCIUM	87,200 J	4,540 J
CHROMIUM (1)	14 J	19.4 J
COBALT	4.03	5.35
COPPER	12.7 J	11.2 J
IRON	13,200	17,000
LEAD	18.5	24.6
MAGNESIUM	36,300	3,410
MANGNESIUM	383	284
MERCURY	0.0254 B	0.0587 B
NICKEL	8.4	8.53
POTASSIUM	4,490 J	2,820 J
SELENIUM	ND (1.07)	ND (1.12)
SILVER	43.9 J	36.7 J
SODIUM	161	119 J
THALLIUM	ND (0.173) UJ	ND (0.181) UJ
VANADIUM	15.3	23.5
ZINC	32.2 J	53.8 J



DTP-05-01	DTP-05-02	DTP-05-03	DTP-05-04	DTP-05-04
0	0	0	0	0
2	2	2	2	2
FS	FS	FS	FS	DUP
0.286 J	38.3	6.96	10.3	11.7

DTP-05-05	DTP-05-06	DTP-05-07	DTP-05-08
0	0	0	0
2	2	2	2
FS	FS	FS	FS
1.3	7.12	0.307 J	0.876

DTP-07-01	DTP-07-01	DTP-07-02	DTP-07-02	DTP-07-03	DTP-07-03
0	4.5	0	4.5	0	4.5
2	4.5	2	4.5	2	4.5
FS	FS	FS	FS	FS	FS
20.1	61	6.96	17.9	4.41	17.6

20 10 0 20 40

SCALE: 1"=20'

FILE NAME: P:\DUPONT PROGRAM SITE INFO\445424- DUPONT - RDF\ENGR\CAD\CIVIL\445424C002.DWG
PLOT DATE: 2/4/2010 10:35 AM PLOTTED BY: GOLDTHWAIT, JAMES

NOTES:

1. ANALYTICAL RESULTS FOR SAMPLES COLLECTED PRIOR TO 2009 CAN BE FOUND IN THE FEBRUARY 2009 REMEDIAL INVESTIGATION REPORT.

ANALYTICAL DATA LEGEND:

		LOCATION	A20R8	A20R3
		TOP (FT)	0	2
		BOTTOM (FT)	2	4
LAB ANALYTE	UNITS	DUPLICATE	FS	FS
CADMIUM	mg/kg		37.3	0.553J

SHADING INDICATES ANALYTICAL RESULTS EXCEEDS SCREENING CRITERIA.

ALL ANALYTICAL RESULTS IN mg/kg.

FS= FIELD SAMPLE

DUP= DUPLICATE FIELD SAMPLE RESULT.

CADMIUM SCREENING CRITERIA= 4.3 mg/kg.

LEGEND:

(1982) FORMER BUILDING NUMBER

PROPERTY LINE

CONTAMINATED AREA

SB-23 PREVIOUS BORING OR TEST PIT SAMPLE LOCATION

A20R3 2008 BORING ANALYTICAL RESULTS ABOVE SCREENING CRITERIA

A20R10 2008 BORING ANALYTICAL RESULTS BELOW SCREENING CRITERIA

B1 2008 INNER BORING

DTP-L05-07 2009 SAMPLE LOCATIONS

FIGURE 2

DuPont
666 DRIVING PARK SITE
ROCHESTER, NEW YORK

AREA 7 TEST PIT AND CADMIUM RESULTS

PARSONS
40 LA RIVIERE DRIVE, BUFFALO NY 14202, PHONE: (716)541-0730

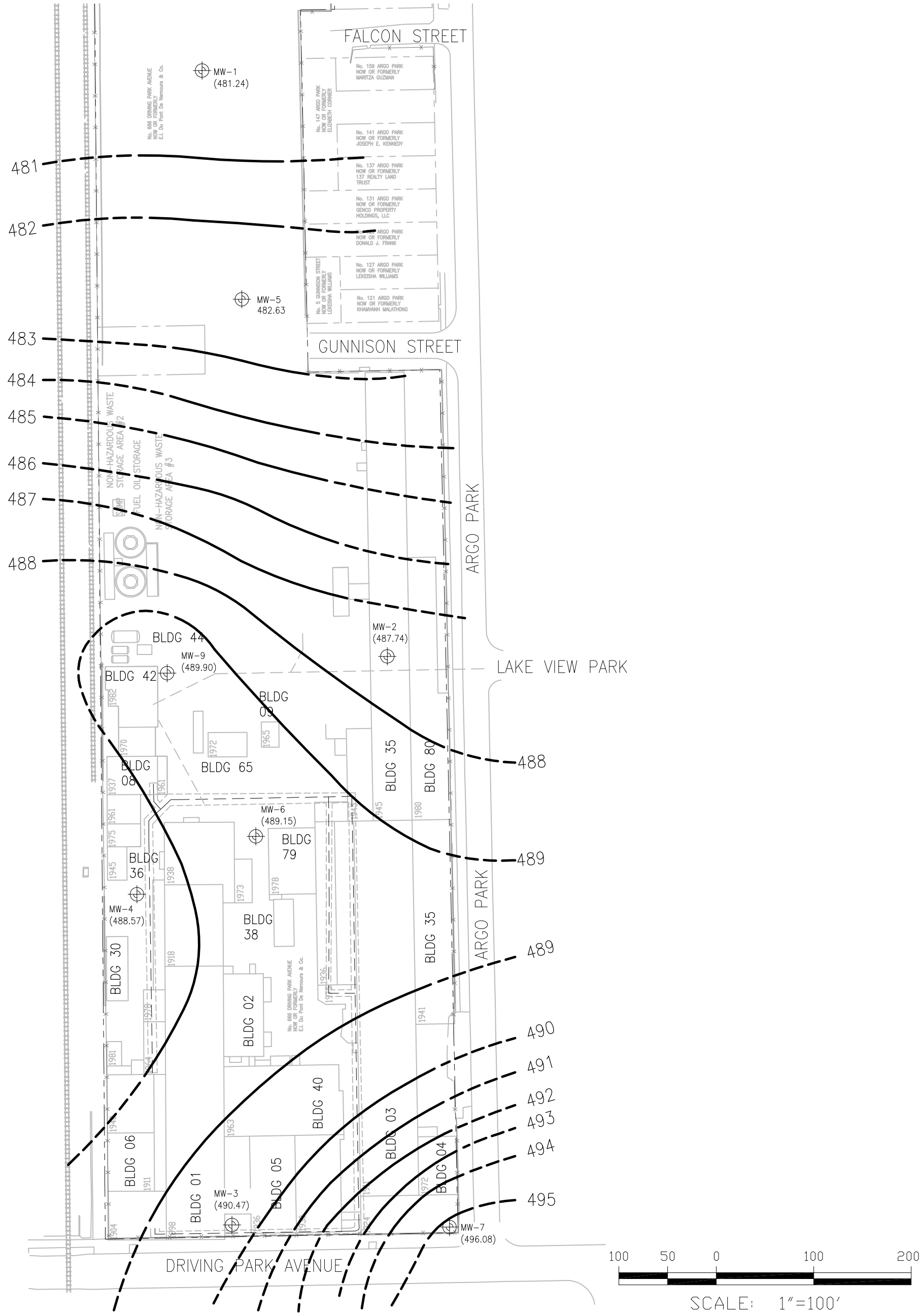


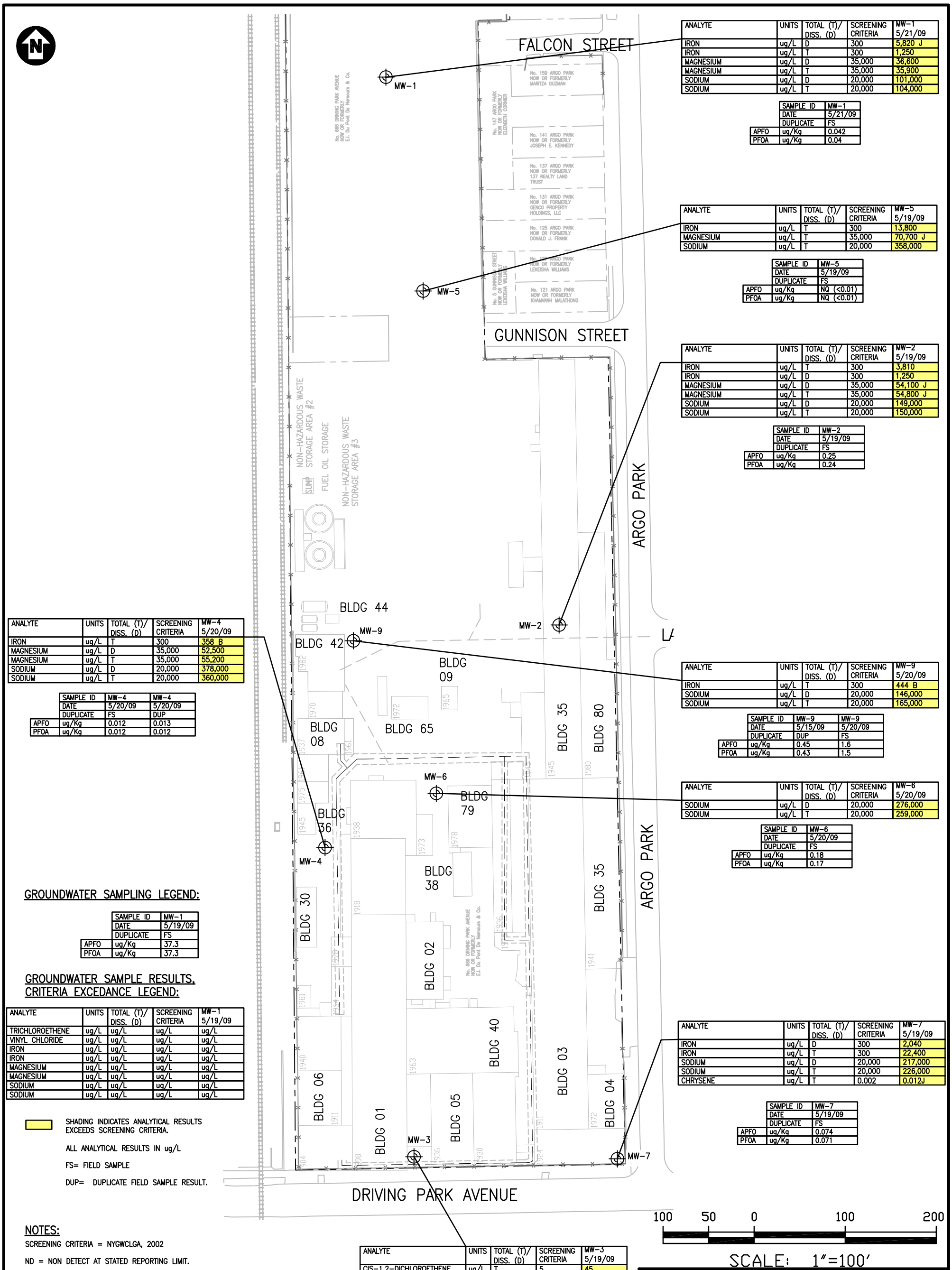
FIGURE 3

DuPont
666 DRIVING PARK SITE
ROCHESTER, NEW YORK

POTENTIOMETRIC SURFACE MAP
MAY 19, 2009

PARSONS
40 LA RIVIERE DRIVE, BUFFALO NY 14202, PHONE: (716)541-0730

FILE NAME: P:\DUPONT PROGRAM SITE INFO\445424- DUPONT - RDF\ENGR\CAD\CIVIL\445424C003.DWG
PLOT DATE: 2/4/2010 10:40 AM PLOTTED BY: GOLDTHWAIT, JAMES



ANALYTE	UNITS	TOTAL (T)/ DISS. (D)	SCREENING CRITERIA	MW-1 5/21/09
IRON	ug/L	D	300	5,820 J
IRON	ug/L	T	300	1,250
MAGNESIUM	ug/L	D	35,000	36,600
MAGNESIUM	ug/L	T	35,000	35,900
SODIUM	ug/L	D	20,000	101,000
SODIUM	ug/L	T	20,000	104,000

	SAMPLE ID	MW-1
	DATE	5/21/09
	DUPLICATE	FS
APFO	ug/Kg	0.042
PFOA	ug/Kg	0.04

ANALYTE	UNITS	TOTAL (T)/ DISS. (D)	SCREENING CRITERIA	MW-5 5/19/09
IRON	ug/L	T	300	13,800
MAGNESIUM	ug/L	T	35,000	70,700 J
SODIUM	ug/L	T	20,000	358,000

	SAMPLE ID	MW-5
	DATE	5/19/09
	DUPLICATE	FS
APFO	ug/Kg	NQ (<0.01)
PFOA	ug/Kg	NQ (<0.01)

ANALYTE	UNITS	TOTAL (T)/ DISS. (D)	SCREENING CRITERIA	MW-2 5/19/09
IRON	ug/L	T	300	3,810
IRON	ug/L	D	300	1,250
MAGNESIUM	ug/L	D	35,000	54,100 J
MAGNESIUM	ug/L	T	35,000	54,800 J
SODIUM	ug/L	D	20,000	149,000
SODIUM	ug/L	T	20,000	150,000

	SAMPLE ID	MW-2
	DATE	5/19/09
	DUPLICATE	FS
APFO	ug/Kg	0.25
PFOA	ug/Kg	0.24

ANALYTE	UNITS	TOTAL (T)/ DISS. (D)	SCREENING CRITERIA	MW-4 5/20/09
IRON	ug/L	T	300	358 B
MAGNESIUM	ug/L	D	35,000	52,500
MAGNESIUM	ug/L	T	35,000	55,200
SODIUM	ug/L	D	20,000	378,000
SODIUM	ug/L	T	20,000	360,000

	SAMPLE ID	MW-4	MW-4
	DATE	5/20/09	5/20/09
	DUPLICATE	FS	DUP
APFO	ug/Kg	0.012	0.013
PFOA	ug/Kg	0.012	0.012

ANALYTE	UNITS	TOTAL (T)/ DISS. (D)	SCREENING CRITERIA	MW-9 5/20/09
IRON	ug/L	T	300	444 B
SODIUM	ug/L	D	20,000	146,000
SODIUM	ug/L	T	20,000	165,000

	SAMPLE ID	MW-9	MW-9
	DATE	5/15/09	5/20/09
	DUPLICATE	DUP	FS
APFO	ug/Kg	0.45	1.6
PFOA	ug/Kg	0.43	1.5

ANALYTE	UNITS	TOTAL (T)/ DISS. (D)	SCREENING CRITERIA	MW-6 5/20/09
SODIUM	ug/L	D	20,000	276,000
SODIUM	ug/L	T	20,000	259,000

	SAMPLE ID	MW-6
	DATE	5/20/09
	DUPLICATE	FS
APFO	ug/Kg	0.18
PFOA	ug/Kg	0.17

ANALYTE	UNITS	TOTAL (T)/ DISS. (D)	SCREENING CRITERIA	MW-7 5/19/09
IRON	ug/L	D	300	2,040
IRON	ug/L	T	300	22,400
SODIUM	ug/L	D	20,000	217,000
SODIUM	ug/L	T	20,000	226,000
CHRYSENE	ug/L	T	0.002	0.012J

	SAMPLE ID	MW-7
	DATE	5/19/09
	DUPLICATE	FS
APFO	ug/Kg	0.074
PFOA	ug/Kg	0.071

ANALYTE	UNITS	TOTAL (T)/ DISS. (D)	SCREENING CRITERIA	MW-3 5/19/09
CIS-1,2-DICHLOROETHENE	ug/L	T	5	45
TRICHLOROETHENE	ug/L	T	5	96
VINYL CHLORIDE	ug/L	T	2	4.3
MAGNESIUM	ug/L	D	35,000	47,900 J
MAGNESIUM	ug/L	T	35,000	48,100 J
SODIUM	ug/L	D	20,000	437,000
SODIUM	ug/L	T	20,000	436,000

	SAMPLE ID	MW-3
	DATE	5/19/09
	DUPLICATE	FS
APFO	ug/Kg	0.29
PFOA	ug/Kg	0.28

GROUNDWATER SAMPLING LEGEND:

	SAMPLE ID	MW-1
	DATE	5/19/09
	DUPLICATE	FS
APFO	ug/Kg	37.3
PFOA	ug/Kg	37.3

GROUNDWATER SAMPLE RESULTS, CRITERIA EXCEDANCE LEGEND:

ANALYTE	UNITS	TOTAL (T)/ DISS. (D)	SCREENING CRITERIA	MW-1 5/19/09
TRICHLOROETHENE	ug/L	ug/L	ug/L	ug/L
VINYL CHLORIDE	ug/L	ug/L	ug/L	ug/L
IRON	ug/L	ug/L	ug/L	ug/L
IRON	ug/L	ug/L	ug/L	ug/L
MAGNESIUM	ug/L	ug/L	ug/L	ug/L
MAGNESIUM	ug/L	ug/L	ug/L	ug/L
SODIUM	ug/L	ug/L	ug/L	ug/L
SODIUM	ug/L	ug/L	ug/L	ug/L

SHADING INDICATES ANALYTICAL RESULTS EXCEEDS SCREENING CRITERIA.

ALL ANALYTICAL RESULTS IN ug/L

FS= FIELD SAMPLE

DUP= DUPLICATE FIELD SAMPLE RESULT.

NOTES:

SCREENING CRITERIA = NYGWCLGA, 2002

ND = NON DETECT AT STATED REPORTING LIMIT.

NQ = COMPOUND DETECTED AT A LEVEL BETWEEN THE LIMIT OF DETECTION (LOD) AND THE LIMIT OF QUANTITATION (LOQ). RESULT IS NOT QUANTIFIABLE.

J = ANALYTE PRESENT, REPORTED VALUE MAY NOT BE ACCURATE.

B = NOT DETECTED SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN THE LABORATORY OR FIELD BLANKS.

UJ = NOT DETECTED. REPORTING LIMIT MAY NOT BE ACCURATE OR PRECISE.

R – UNUSABLE RESULTS. ANALYTE MAY OR MAY NOT BE PRESENT IN THE SAMPLE.

100 50 0 100 200

SCALE: 1"=100'

FIGURE 4

DuPont
666 DRIVING PARK SITE
ROCHESTER, NEW YORK

GROUNDWATER SAMPLE RESULTS MAY 2009

PARSONS
40 LA RIVIERE DRIVE, BUFFALO NY 14202, PHONE: (716)541-0730

FILE NAME: P:\DUPONT PROGRAM SITE INFO\445424- DUPONT - RDF\ENGR\CAD\CIVIL\445424C004.DWG
PLOT DATE: 2/4/2010 4:09 PM PLOTTED BY: GOLDTHWAIT, JAMES

Tables

Table 1
Metals Delineation Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Area 2

Lab Analyte	Units	Background Soil Concentration	NY Soil PPH-RR	A208 8/27/08 0-2	A208 8/27/08 2-4	A2OR1 8/27/08 0-2	A2OR1 8/27/08 2-4	A2OR2 8/27/08 0-2	A2OR2 8/27/08 2-3	A20R2 10/24/08 3-5	A20R3 8/27/08 0-2	A20R3 8/27/08 2-4
CADMIUM	MG/KG	1.7	4.3	**37.3**	**38.5**	**45.7**	ND (0.179)	**8.11**	**21.2**	**3.66 J**	**3.65**	**0.553 J**
SILVER	MG/KG	10	180	**1100**	**324**	**481 J**	**7.65 J**	**242 J**	**447 J**	**132 J**	**103**	**0.615 B**
MOISTURE	%			9.6	9.8	10	21.7	8.1	13.5	16.5	6.3	16.1

Lab Analyte	Units	Background Soil Concentration	NY Soil PPH-RR	A20R4 8/27/08 0-2	A20R4 8/27/08 2-4	A2OR5 8/27/08 0-2	A2OR5 (DUP) 8/27/08 0-2	A2OR5 8/27/08 2-3	A2OR6 8/27/08 0-2	A2OR6 8/27/08 2-3.5	A20R6 10/24/08 4-6	A20R7 8/27/08 0-2
CADMIUM	MG/KG	1.7	4.3	**5.59**	**0.917**	**9.47**	**7.57**	**1.3**	**4.12**	**28.7**	**4.62 J**	**7.61**
SILVER	MG/KG	10	180	**185**	**0.648 B**	**466 J**	**276 J**	**40.8 J**	**203 J**	**393 J**	**185 J**	**286**
MOISTURE	%			7.5	20.3	8.3	9.1	6.9	9.4	11.4	12.3	7.9

Lab Analyte	Units	Background Soil Concentration	NY Soil PPH-RR	A20R8 10/24/08 4-6	A20R9 10/24/08 4-6	A20R11 10/24/08 0-2	A20R11 10/24/08 2-4	A20R11 10/24/08 4-6	A20R12 10/24/08 0-2	A20R13 10/24/08 0-2	A20R13 (DUP) 10/24/08 0-2	A20R14 10/24/08 0-2
CADMIUM	MG/KG	1.7	4.3	**25 J**	ND (0.169) UJ	**0.288 J**	ND (0.146) UJ	**0.435 J**	**3.16 J**	**1.88 J**	**6.1 J**	**82 J**
SILVER	MG/KG	10	180	**581 J**	**1.46 J**	**5.72 J**	**3.33 J**	**1.65 J**	**136 J**	**53.7 J**	**248 J**	**940 J**
MOISTURE	%			15.5	18.7	17.3	5.7	22.4	7.8	8.1	8.9	11.5

Lab Analyte	Units	Background Soil Concentration	NY Soil PPH-RR	A20R15 5/20/09 0-2	A20R16 5/20/09 0-2	A20R17 5/20/09 0-2	A20R18 5/20/09 1-3	A20R19 5/20/09 1-3	A20R20 5/20/09 1-3	A20R21 5/20/09 1-3		
CADMIUM	MG/KG	1.7	4.3	**9.5 J**	**0.676 J**	**1.35 J**	**42.8 J**	**2.04 J**	**0.836 J**	**8.92 J**		
SILVER	MG/KG	10	180	**392**	**18.6**	**54.4**	**803**	**52**	**32.6**	**284**		
LEAD	MG/KG	90	400	NA	NA	NA	**101**	**16.9**	**22**	**17.6**		
MOISTURE	%			6.5	7.9	12.6	8.3	7.9	13.6	17.7		

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	B1 8/7/08 0-2	B1 8/7/08 2-4	B2 8/7/08 0-2	B2 8/7/08 2-4	B2 8/7/08 5-7	B3 8/7/08 0-2	B3 8/7/08 2-4	B3 8/7/08 4-5	B3 8/7/08 5-6.5
CADMIUM	MG/KG	1.7	4.3	**11.3 J**	**1.17 J**	**6.89 J**	**1.02 J**	**7.81 J**	**2.66 J**	**0.449 J**	**1.47 J**	ND (0.16) R
SILVER	MG/KG	10	180	**352**	**40.9**	**376**	**10.8**	**407**	**105**	**14.8**	**73.2**	**4.26**
MOISTURE	%			9.5	9.7	9.1	18.9	17.5	13.6	12	21.1	14

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	B4 8/7/08 0-2	B4 8/7/08 2-4	B4 8/7/08 4-6	B4 8/7/08 6-7	B5 8/7/08 0-2	B5 8/7/08 2-4	B5 8/7/08 4-6	B6 8/7/08 0-2	B6 8/7/08 2-4
CADMIUM	MG/KG	1.7	4.3	**22.3 J**	**26.3 J**	**1.95 J**	**0.264 J**	**27.9 J**	ND (0.163) R	ND (0.162) R	**2.86**	**0.815**
SILVER	MG/KG	10	180	**919**	**1100**	**62.5**	**9.1**	**726**	**0.944 J**	**3.15**		
MOISTURE	%			10	18	17.6	10.8	9.4	16.6	14.6	12.2	21.3

Vicinity of Area 7

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	B6 8/7/08 0-2	B7 8/7/08 0-2	B7 8/7/08 2-4	B7 8/7/08 4-6	B7 (DUP) 8/7/08 4-6	B8 8/7/08 0-2	B8 8/7/08 2-4	B8 8/7/08 4-6	B8 (DUP) 8/7/08 4-6
CADMIUM	MG/KG	1.7	4.3	**0.268 J**	**0.843**	**1.09**	**0.505 J**	**0.326 J**	**5.27**	**0.945**	**0.761**	**0.381 J**
SILVER	MG/KG	10	180									
MOISTURE	%			17.6	5.2	27.8	8.5	10.4	16.5	20.3	12.7	10.3

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	DTP-L05-1 5/20/09 0-2	DTP-L05-2 5/20/09 0-2	DTP-L05-3 5/20/09 0-2	DTP-L05-4 5/20/09 0-2	DTP-L05-4 5/20/09 0-2	DTP-L05-5 5/20/09 0-2	DTP-L05-6 5/20/09 0-2	DTP-L05-7 5/20/09 0-2	DTP-L05-8 5/20/09 0-2
CADMIUM	MG/KG	1.7	4.3	**0.268 J**	**38.3**	**6.96**	**11.7**	**10.3**	**1.3**	**7.12**	**0.307 J**	**0.876**
SILVER	MG/KG	10	180	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOISTURE	%			17.6	18.3	19.5	22.5	12.2	15.3	16.7	22.8	10.3

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	DTP-L07-1 5/20/09 0-2	DTP-L07-1 5/20/09 4.5	DTP-L07-2 5/20/09 0-2	DTP-L07-2 5/20/09 4.5	DTP-L07-3 5/20/09 0-2	DTP-L07-3 5/20/09 4.5			
CADMIUM	MG/KG	1.7	4.3	**20.1 J**	**61 J**	**6.96**	**17.9**	**4.41**	**17.6**			
SILVER	MG/KG	10	180	NA	NA	NA	NA	NA	NA			
MOISTURE	%			31.4	17.8	14.2	28	22.6	16.7			

NOTES:

Criteria = Protection of Public Health - Restricted Residential Use
ND = Non detect at stated reporting limit
Bold = result detected above MDL
Highlight indicates analyte above PPH-RR criteria.
J = Analyte detected between MDL PQL, result is an estimate.
UJ = Not detected. Reporting limit may not be accurate or precise.
R = Unusable result. Analyte may or may not be present in the sample.
NA = Analyte not analyzed for,.
Sample collected May 2009

Table 2

DuPont Rochester Driving Park
Water Level Measurements
May 19, 2009

Well ID	Date	Time	Depth to Water (ft)	Groundwater Elevation
MW-01	5/19/2009	0836	12.77	481.24
MW-02	5/19/2009	0844	15.58	487.74
MW-03	5/19/2009	0849	18.02	490.47
MW-04	5/19/2009	0847	19.81	488.57
MW-05	5/19/2009	0838	11.87	482.63
MW-06	5/19/2009	0846	18.70	489.15
MW-07	5/19/2009	0850	11.49	496.08
MW-09	5/19/2009	0852	14.51	489.90

Note: Measurements based on Mean Sea Level.

TABLE 3
Groundwater Analytical Results
Remedial Investigation Report
Dupont 666 Driving Park Avenue

			Screening	Location	MW-01	MW-02	MW-02	MW-02	MW-03	MW-03	MW-04	MW-04
		Total (T)/	Criteria	Date	5/21/09	5/19/09	6/3/09	6/3/09	5/19/09	6/3/09	5/20/09	5/20/09
LabAnalyte	**Units**	**Diss. (D)**	**(TOGS 1.1.1)**	**Duplicate**	FS	FS	DUP	FS	FS	FS	DUP	FS
Field Parameters												
TOTAL DISSOLVED SOLIDS	PPM	T	NS		**0.8**	1.1			2.2			1.7
DEPTH TO WATER FROM TOC	Feet	T	NS		12.86	15.63			NR			19.89
DISSOLVED OXYGEN (FIELD)	UG/L	T	NS		0	0			580			0
PH (FIELD)	STD UNITS	T	NS		7.28	7.04			7.31			7.2
REDOX (FIELD)	MV	T	NS		-116	-74			99			-87
SPECIFIC CONDUCTANCE (FIELD)	MS/CM	T	NS		1.3	1.76			3.49			2.64
TEMPERATURE (FIELD)	DEGREES C	T	NS		12.71	12.07			12.01			12.28
TOTAL WELL DEPTH	Feet	T	NS		12.77	15.58			18.02			19.81
TURBIDITY QUANTITATIVE (FIELD)	NTU	T	NS		135	92.5			11.6			50
Volatiles												
1,1,1-TRICHLOROETHANE	UG/L	T	5		0.3 J	0.1 J			ND (0.1)		ND (0.1)	
1,1-DICHLOROETHANE	UG/L	T	5		0.2 J	0.3 J			ND (0.1)		ND (0.1)	
1,1-DICHLOROETHENE	UG/L	T	5		ND (0.1)	0.2 J			1.4			ND (0.1)
BENZENE	UG/L	T	1		ND (0.1)	ND (0.1)			ND (0.1)		ND (0.1)	
CIS-1,2-DICHLOROETHENE	UG/L	T	5		1.2	0.2 J			45			ND (0.1)
M+P-XYLENE	UG/L	T	5		ND (0.1)	ND (0.1)			ND (0.1)		ND (0.1)	
METHYLENE CHLORIDE	UG/L	T	5		ND (0.2)	ND (0.2)			ND (0.2)			ND (0.2)
TETRACHLOROETHENE	UG/L	T	5		0.2 J	ND (0.1)			ND (0.1)		ND (0.1)	
TOLUENE	UG/L	T	5		ND (0.1)	ND (0.1)			ND (0.1)		ND (0.1)	
TRANS-1,2-DICHLOROETHENE	UG/L	T	5		ND (0.1)	ND (0.1)			4.7			ND (0.1)
TRICHLOROETHENE	UG/L	T	5		ND (0.1)	0.6			96			ND (0.1)
VINYL CHLORIDE	UG/L	T	2		ND (0.1)	0.2 J			4.3			ND (0.1)
Semivolatiles												
2-METHYLNAPHTHALENE	UG/L	T	NS		ND (0.01)		ND (0.0095)	ND (0.0096)		ND (0.0095)		ND (0.01)
ANTHRACENE	UG/L	T	50		0.011 J		ND (0.0095)	ND (0.0096)		0.021 J	ND (0.01)	
CHRYSENE	UG/L	T	0.002		ND (0.01)		ND (0.0095)	ND (0.0096)		ND (0.0095)	ND (0.01)	
FLUORANTHENE	UG/L	T	50		ND (0.01)		ND (0.0095)	0.01 J		ND (0.0095)	ND (0.01)	
FLUORENE	UG/L	T	50		ND (0.01)		ND (0.0095)	ND (0.0096)		ND (0.0095)	ND (0.01)	
NAPHTHALENE	UG/L	T	10		ND (0.01)		ND (0.0095)	0.01 J		ND (0.0095)	ND (0.01)	
PHENANTHRENE	UG/L	T	50		ND (0.01)		ND (0.0095)	ND (0.0096)		ND (0.0095)	ND (0.01)	
PYRENE	UG/L	T	50		ND (0.01)		ND (0.0095)	ND (0.0096)		ND (0.0095)	ND (0.01)	
Metals												
ALUMINUM	UG/L	T	NS		ND (80.2)	142 J			ND (80.2)			ND (80.2)
ANTIMONY	UG/L	D	3		ND (0.3)	ND (0.3)			1.4 B		ND (0.3)	
ANTIMONY	UG/L	T	3		ND (0.3)	ND (0.3)			1.2 B		ND (0.3)	
ARSENIC	UG/L	T	25		ND (0.95)	ND (0.95)			ND (0.95)			ND (0.95)
BARIUM	UG/L	T	1000		48.3	19.6			28.7			25.6
BARIUM	UG/L	D	1000		47.2	19			28.8			25.4
CADMIUM	UG/L	D	5		ND (0.2)	ND (0.21)			0.45 J		ND (0.2)	
CADMIUM	UG/L	T	5		ND (0.21)	ND (0.21)			0.33 J		ND (0.21)	
CALCIUM	UG/L	T	NS		115000	127000			205000			105000
CALCIUM	UG/L	D	NS		112000	128000			203000			101000
CHROMIUM	UG/L	T	50		ND (0.68)	ND (0.68)			ND (0.68)			ND (0.68)
COBALT	UG/L	D	NS		ND (2.1)	2.1 J			3.8 J		ND (2.1)	
COPPER	UG/L	T	200		0.74 J	0.85 B			3.6			0.59 J
COPPER	UG/L	D	200		ND (0.38)	0.65 B			2.6			ND (0.38)
IRON	UG/L	T	300		5820 J	3810			ND (52.2)			358 B
IRON	UG/L	D	300		1250	1250			ND (52.2)			219
LEAD	UG/L	T	25		0.098 J	0.91 J			0.26 J			1.1
LEAD	UG/L	D	25		ND (0.05)	0.22 J			0.23 J		0.71 J	
MAGNESIUM	UG/L	T	35000		36600	54100 J			48100 J			55200
MAGNESIUM	UG/L	D	35000		35900	54800 J			47900 J			52500
MANGANESE	UG/L	T	300		108	22.8			24.8 J			10.9 J
MANGANESE	UG/L	D	300		86	24.6			32.4 J			13.9 J
NICKEL	UG/L	T	100		2.1	1.6 J			2.2 B			3.2
NICKEL	UG/L	D	100		1.9 J	1.8 B			2.6 B			3.4
POTASSIUM	UG/L	T	NS		5850	15100			16100			17900
POTASSIUM	UG/L	D	NS		5180	15400			16200			15800
SELENIUM	UG/L	T	10		1.3 J	ND (0.99)			ND (0.99)			ND (0.99)
SELENIUM	UG/L	D	10		1.3 J	ND (0.99)			ND (5)			ND (0.99)
SODIUM	UG/L	T	20000		101000	149000			436000			360000
SODIUM	UG/L	D	20000		104000	150000			437000			378000
ZINC	UG/L	D	2000		ND (8.1)	ND (8.1)			10 J		ND (8.1)	
ZINC	UG/L	T	2000		ND (8.1)	ND (8.1)			10 J		9.6 J	
PFOA												
APFO	UG/L	T			0.042	0.25			0.29		0.013	0.012
PFOA	UG/L	T			0.04	0.24			0.28		0.012	0.012
TICs												
CYCLOHEXANE, METHYL-	UG/L	T										
ETHANE, 1-CHLORO-1,1-DIFLUO	UG/L	T							3 J			
METHANE, DICHLOROFLUORO-	UG/L	T				2 J						
METHANE, DICHLOROFLUORO-	UG/L	T							6 J			
UNKNOWN ALKANE	UG/L	T										
CYCLIC OCTAATOMIC SULFUR	UG/L	T			8 J							

NOTES:

Screening Criteria = Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

Highlight = result exceeded criteria

Bold = result detected above MDL

ND = Non detect at stated reporting limit

NQ= Compound detected at a level between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ). Result is not quantifiable.

J = Analyte present, reported value may not be accurate

B = Not detected substantially above the level reported in the laboratory or field blanks.

UJ = Not detected. Reporting limit may not be accurate or precise.

R = Unusable result. Analyte may or may not be present in the sample.

TABLE 3
Groundwater Analytical Results
Remedial Investigation Report
Dupont 666 Driving Park Avenue

			Screening	Location	MW-05	MW-05	MW-05	MW-06	MW-07	MW-07	MW-09
		Total (T)/	Criteria	Date	5/19/09	5/19/09	6/3/09	5/20/09	5/19/09	6/3/09	5/20/09
LabAnalyte	**Units**	**Diss. (D)**	**(TOGS 1.1.1)**	**Duplicate**	FS	FS	FS	FS	FS	FS	FS
Field Parameters											
TOTAL DISSOLVED SOLIDS	PPM	T	NS		NR			1.2	0.9		1
DEPTH TO WATER FROM TOC	Feet	T	NS		11.87			18.79	11.47		14.62
DISSOLVED OXYGEN (FIELD)	UG/L	T	NS					0	0		
PH (FIELD)	STD UNITS	T	NS		NR			7.07	7.68		7.29
REDOX (FIELD)	MV	T	NS		NR			81	-158		-9
SPECIFIC CONDUCTANCE (FIELD)	MS/CM	T	NS		NR			1.87	1.4		1.55
TEMPERATURE (FIELD)	DEGREES C	T	NS		NR			12.09	12.56		11.36
TOTAL WELL DEPTH	Feet	T	NS		11.87			18.7	11.49		14.51
TURBIDITY QUANTITATIVE (FIELD)	NTU	T	NS		NR			26.7	401		21.1
Volatiles											
1,1,1-TRICHLOROETHANE	UG/L	T	5			ND (0.1)		ND (0.1)	ND (0.1)		ND (0.1)
1,1-DICHLOROETHANE	UG/L	T	5			ND (0.1)		ND (0.1)	ND (0.1)		0.2 J
1,1-DICHLOROETHENE	UG/L	T	5			ND (0.1)		0.2 J	ND (0.1)		ND (0.1)
BENZENE	UG/L	T	1			0.1 J		ND (0.1)	ND (0.1)		ND (0.1)
CIS-1,2-DICHLOROETHENE	UG/L	T	5			0.2 J		ND (0.1)	ND (0.1)		0.5
M+P-XYLENE	UG/L	T	5			0.3 J		ND (0.1)	ND (0.1)		ND (0.1)
METHYLENE CHLORIDE	UG/L	T	5			ND (0.2)		ND (0.2)	ND (0.2)		ND (0.2)
TETRACHLOROETHENE	UG/L	T	5			ND (0.1)		ND (0.1)	ND (0.1)		ND (0.1)
TOLUENE	UG/L	T	5			0.1 J		ND (0.1)	ND (0.1)		ND (0.1)
TRANS-1,2-DICHLOROETHENE	UG/L	T	5			ND (0.1)		ND (0.1)	ND (0.1)		ND (0.1)
TRICHLOROETHENE	UG/L	T	5			ND (0.1)		ND (0.1)	ND (0.1)		ND (0.1)
VINYL CHLORIDE	UG/L	T	2			ND (0.1)		ND (0.1)	ND (0.1)		ND (0.1)
Semivolatiles											
2-METHYLNAPHTHALENE	UG/L	T	NS				0.057	ND (0.0097)		ND (0.01)	ND (0.0097)
ANTHRACENE	UG/L	T	50				ND (0.011)	0.019 J		ND (0.01)	0.014 J
CHRYSENE	UG/L	T	0.002				ND (0.011)	ND (0.0097)		0.012 J	ND (0.0097)
FLUORANTHENE	UG/L	T	50				0.016 J	ND (0.0097)		ND (0.01)	ND (0.0097)
FLUORENE	UG/L	T	50				0.012 J	ND (0.0097)		ND (0.01)	ND (0.0097)
NAPHTHALENE	UG/L	T	10				0.039 J	ND (0.0097)		0.011 J	0.012 B
PHENANTHRENE	UG/L	T	50				0.023 J	0.01 J		ND (0.01)	ND (0.0097)
PYRENE	UG/L	T	50				0.011 J	ND (0.0097)		ND (0.01)	ND (0.0097)
Metals											
ALUMINUM	UG/L	T	NS			1220		87.2 J	1090		ND (80.2)
ANTIMONY	UG/L	D	3					0.63 J	0.34 B		ND (0.3)
ANTIMONY	UG/L	T	3			ND (0.3)		0.59 B	ND (0.3)		ND (0.3)
ARSENIC	UG/L	T	25			ND (0.95)		ND (0.95)	2.8		ND (0.95)
BARIUM	UG/L	T	1000			18.4		23.4	29.5		26.3
BARIUM	UG/L	D	1000					23.7	17.3		25.1
CADMIUM	UG/L	D	5					ND (0.2)	ND (0.21)		ND (0.2)
CADMIUM	UG/L	T	5			ND (0.21)		ND (0.21)	ND (0.21)		ND (0.21)
CALCIUM	UG/L	T	NS			138000		91600	64300		106000
CALCIUM	UG/L	D	NS					89100	56400		116000
CHROMIUM	UG/L	T	50			0.9 J		ND (0.68)	5.9		0.68 J
COBALT	UG/L	D	NS					2.2 J	6 J		ND (2.1)
COPPER	UG/L	T	200			0.85 B		1.4 J	3.4		1.8 J
COPPER	UG/L	D	200					1.4 J	0.58 B		0.97 J
IRON	UG/L	T	300			13800		161 B	22400		444 B
IRON	UG/L	D	300					ND (52.2)	2040		ND (52.2)
LEAD	UG/L	T	25			1		0.43 J	4.9		0.23 J
LEAD	UG/L	D	25					0.23 J	ND (0.05)		0.15 J
MAGNESIUM	UG/L	T	35000			70700 J		27100	20700 J		31100
MAGNESIUM	UG/L	D	35000					27000	18900 J		34100
MANGANESE	UG/L	T	300			226		10.6 J	60.1		12.7
MANGANESE	UG/L	D	300					12.9 J	39.8		11.5
NICKEL	UG/L	T	100			2.8		2.2	6		2.2
NICKEL	UG/L	D	100					2.2	2.2 B		2.2
POTASSIUM	UG/L	T	NS			23200		11300	8100		6220
POTASSIUM	UG/L	D	NS					10200	7430		5350
SELENIUM	UG/L	T	10			ND (0.99)		ND (0.99)	ND (5)		3.7
SELENIUM	UG/L	D	10					ND (0.99)	ND (0.99)		4.6
SODIUM	UG/L	T	20000			358000		259000	226000		165000
SODIUM	UG/L	D	20000					276000	217000		146000
ZINC	UG/L	D	2000					ND (8.1)	ND (8.1)		ND (8.1)
ZINC	UG/L	T	2000			ND (8.1)		8.9 J	13.9 J		9 J
PFOA											
APFO	UG/L	T				NQ (<0.01)		0.18	0.074		1.6
PFOA	UG/L	T				NQ (<0.01)		0.17	0.071		1.5
TICs											
CYCLOHEXANE, METHYL-	UG/L	T				2 J					
ETHANE, 1-CHLORO-1,1-DIFLUO	UG/L	T									
METHANE, DICHLOROFLUORO-	UG/L	T						3 J			
METHANE, DICHLOROFLUORO-	UG/L	T									
UNKNOWN ALKANE	UG/L	T				1 J					
CYCLIC OCTAATOMIC SULFUR	UG/L	T									

NOTES:

Screening Criteria = Division of Water Technical and Operational Guidance Series (1.1.1) An

Highlight = result exceeded criteria

Bold = result detected above MDL

ND = Non detect at stated reporting limit

NQ= Compound detected at a level between the Limit of Detection (LOD) and the Limit of Qu

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B = Not detected substantially above the level reported in the laboratory or field blanks.

UJ = Not detected. Reporting limit may not be accurate or precise.

R = Unusable result. Analyte may or may not be present in the sample.

Well Construction Logs

DRILLING SUMMARY

Geologist: Craig Taylor
Dan Sheldon

Drilling Company:
Nothnagle Drilling

Driller:
Steve Lorente

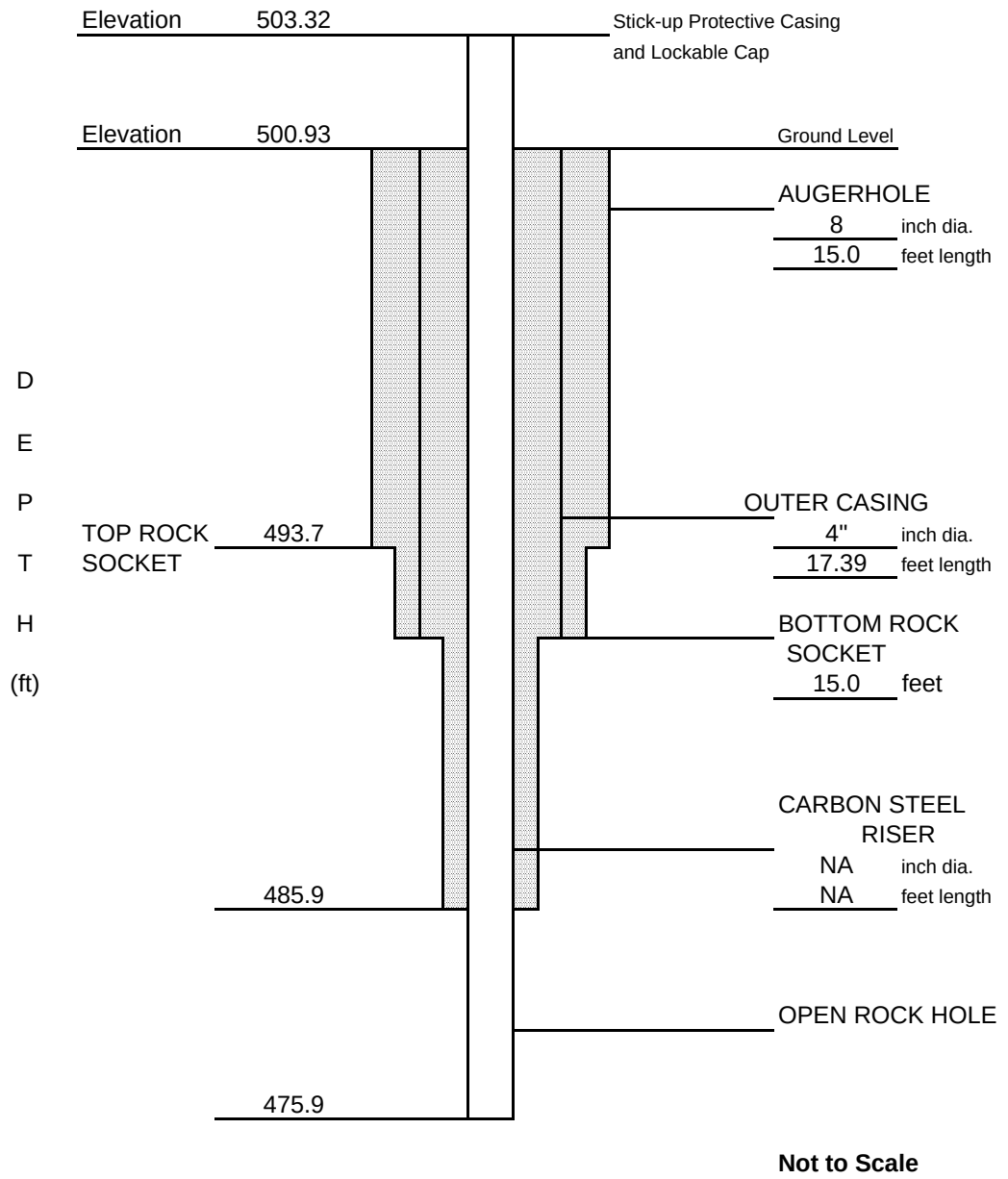
Rig Make/Model:
CME 85 - Truck Mounted

Date:
7/19/2008 - 8/25/2008

GEOLOGIC LOG

Depth(ft.)	Description
	See boring log.

WELL DESIGN



CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: 4-inch steel stick-up	Type: Open Rock Hole	Type: None Setting:
Well: 4-inch ID carbon steel		*SEAL MATERIAL* Type: None Setting:
Monitor: open rock hole		

COMMENTS:

ROCK CORING

Cored Interval: 15.0-25.0'

Core Diameter: 1 7/8"

Reamed Diameter: 3 7/8"

LEGEND

Cement/Bentonite Grout

Client: DuPont CRG	**Location:** Rochester Driving Park	**Project No.:** 445424
Revised 3/10/10 PARSONS	**BEDROCK MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-2

DRILLING SUMMARY

Geologist: Dan Sheldon

Drilling Company:
Nothnagle Drilling

Driller:
Steve Lorente

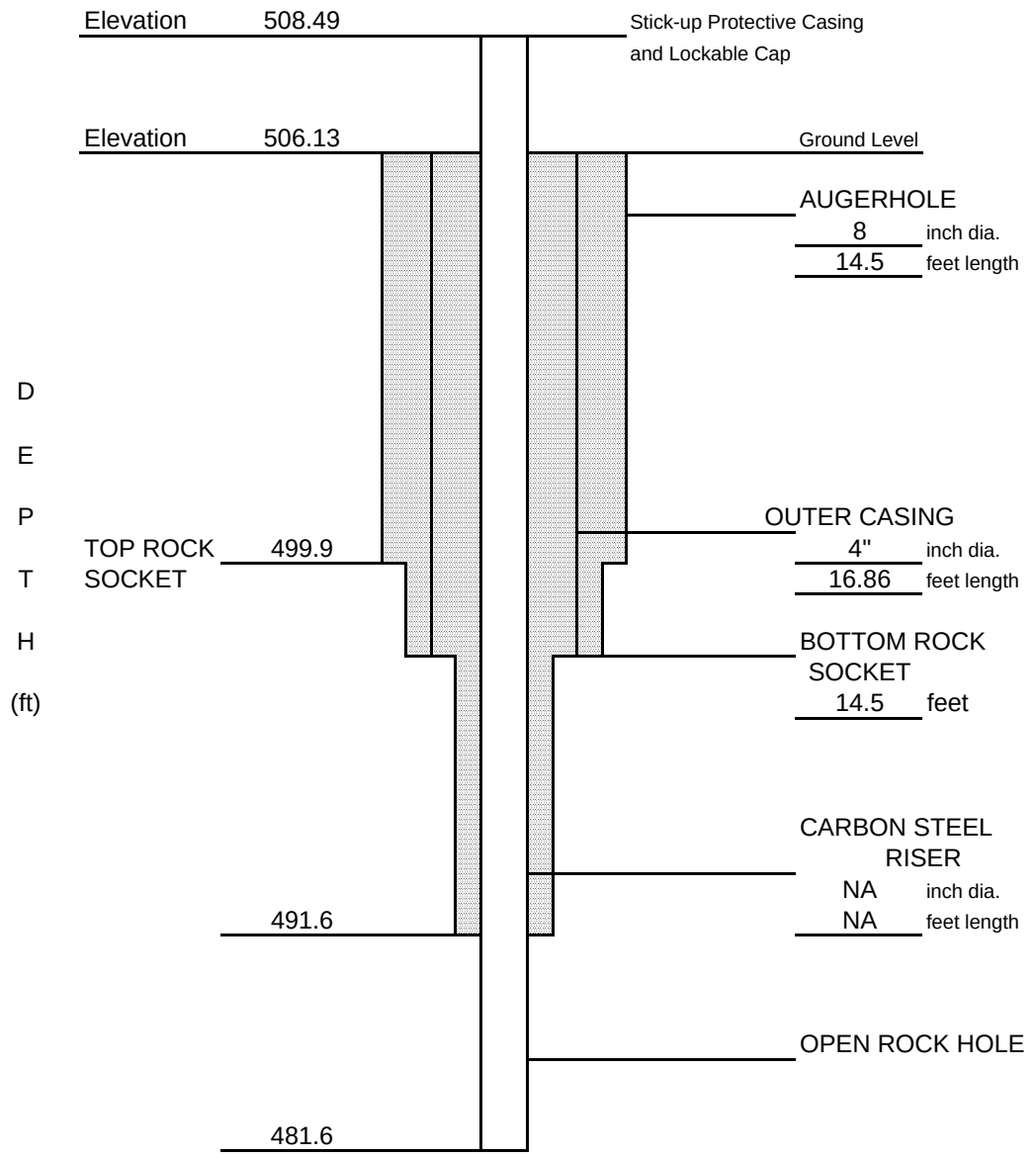
Rig Make/Model:
CME 85 - Truck Mounted

Date:
8/13/2008 - 8/14/2008

GEOLOGIC LOG

Depth(ft.)	Description
	See boring log.

WELL DESIGN



Not to Scale

CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: 4-inch steel stick-up	Type: Open Rock Hole	Type: None Setting:
Well: 4-inch ID carbon steel		*SEAL MATERIAL*
Monitor: open rock hole		Type: None Setting:

COMMENTS:

ROCK CORING

Cored Interval: 14.5-24.5'

Core Diameter: 1 7/8"

Reamed Diameter: 3 7/8"

LEGEND

Cement/Bentonite Grout

Client: **DuPont CRG**

Location: **Rochester Driving Park**

Project No.: 445424

Revised 3/10/10

PARSONS

BEDROCK MONITORING WELL CONSTRUCTION DETAILS

Well Number: **MW-3**

DRILLING SUMMARY

Geologist: Dan Sheldon

Drilling Company:
Nothnagle Drilling

Driller:
Steve Lorente

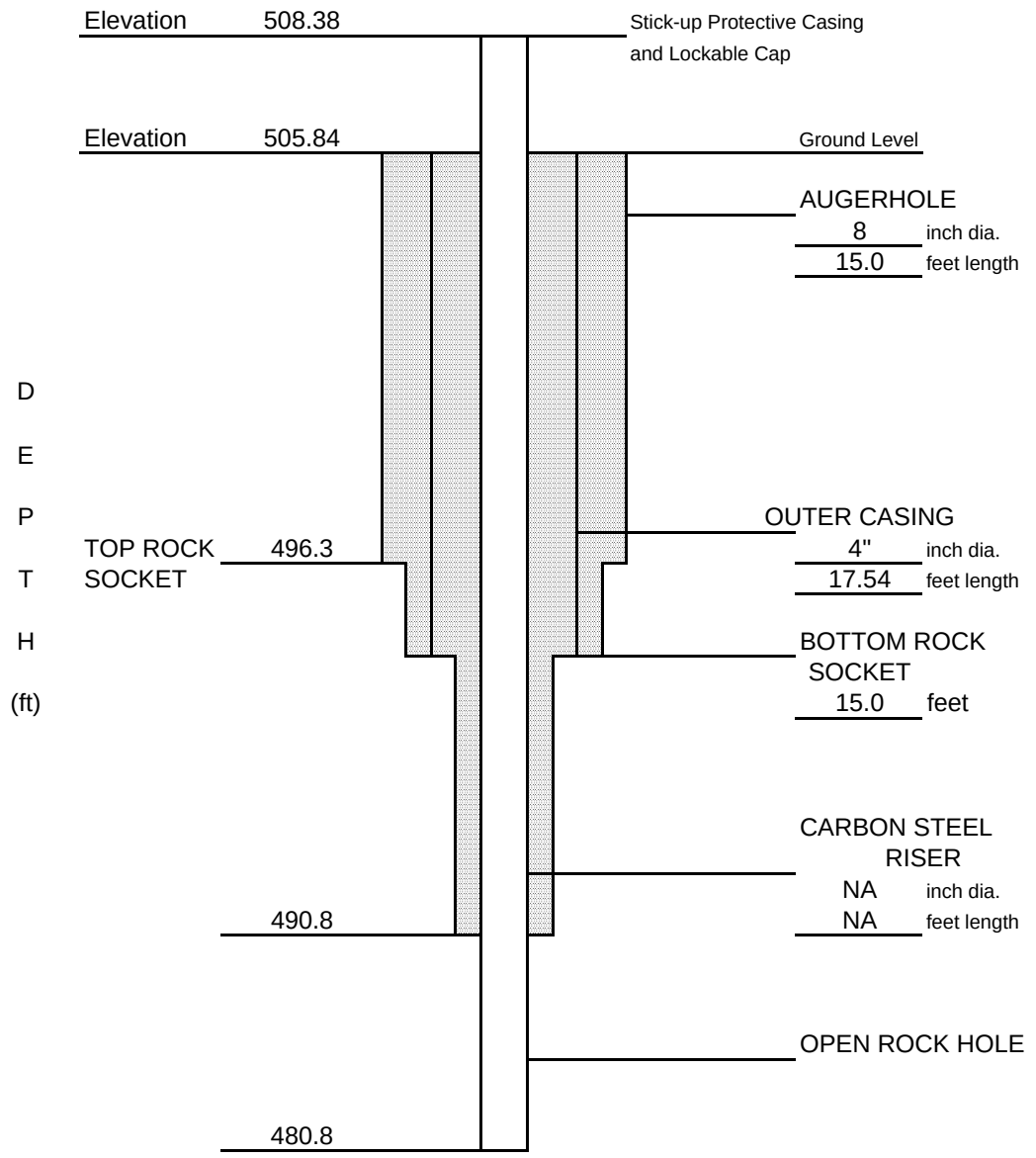
Rig Make/Model:
CME 85 - Truck Mounted

Date:
8/15/2008-8/18/2008

GEOLOGIC LOG

Depth(ft.)	Description
	See boring log.

WELL DESIGN



Not to Scale

CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: 4-inch steel stick-up	Type: Open Rock Hole	Type: None Setting:
Well: 4-inch ID carbon steel		*SEAL MATERIAL*
Monitor: open rock hole		Type: None Setting:

COMMENTS:

ROCK CORING

Cored Interval: 15.0-25.0'

Core Diameter: 1 7/8"

Reamed Diameter: 3 7/8"

LEGEND

Cement/Bentonite Grout

Client: DuPont CRG	**Location:** Rochester Driving Park	**Project No.:** 445424
Revised 3/10/10 PARSONS	**BEDROCK MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-4

DRILLING SUMMARY

Geologist: Dan Sheldon
Craig Taylor

Drilling Company:
Nothnagle Drilling

Driller:
Steve Lorente

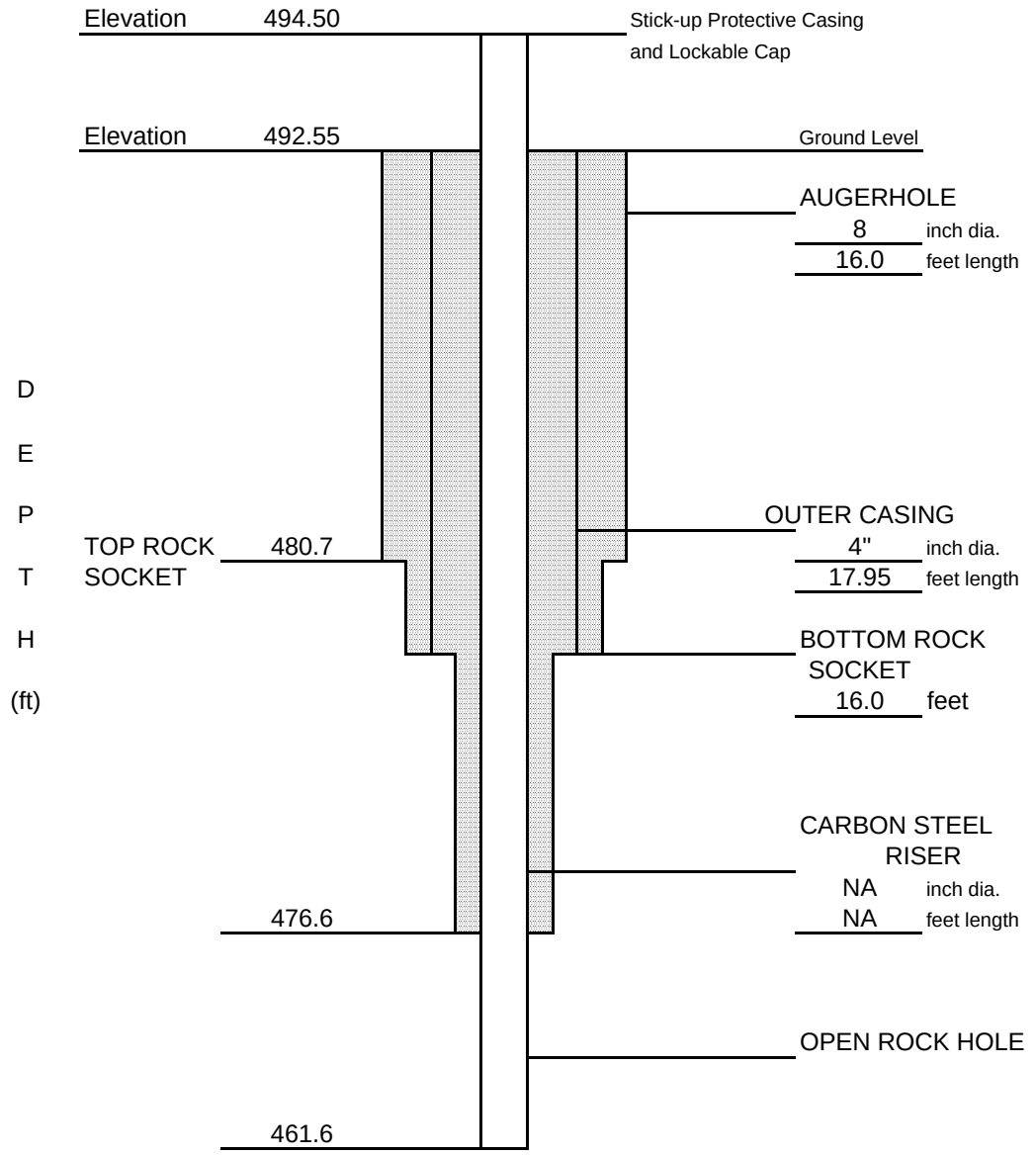
Rig Make/Model:
CME 85 - Truck Mounted

Date:
8/15/2008-8/26/2008

GEOLOGIC LOG

Depth(ft.)	Description
	See boring log.

WELL DESIGN



Not to Scale

CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: 4-inch steel stick-up	Type: Open Rock Hole	Type: None Setting:
Well: 4-inch ID carbon steel		*SEAL MATERIAL* Type: None Setting:
Monitor: open rock hole		

COMMENTS:

ROCK CORING

Cored Interval: 16.0-31.0'
Core Diameter: 1 7/8"
Reamed Diameter: 3 7/8"

LEGEND

Cement/Bentonite Grout

Client: DuPont CRG	**Location:** Rochester Driving Park	**Project No.:** 445424
Revised 3/10/10 PARSONS	**BEDROCK MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-5

DRILLING SUMMARY

Geologist: Dan Sheldon

Drilling Company:
Nothnagle Drilling

Driller:
Steve Lorente

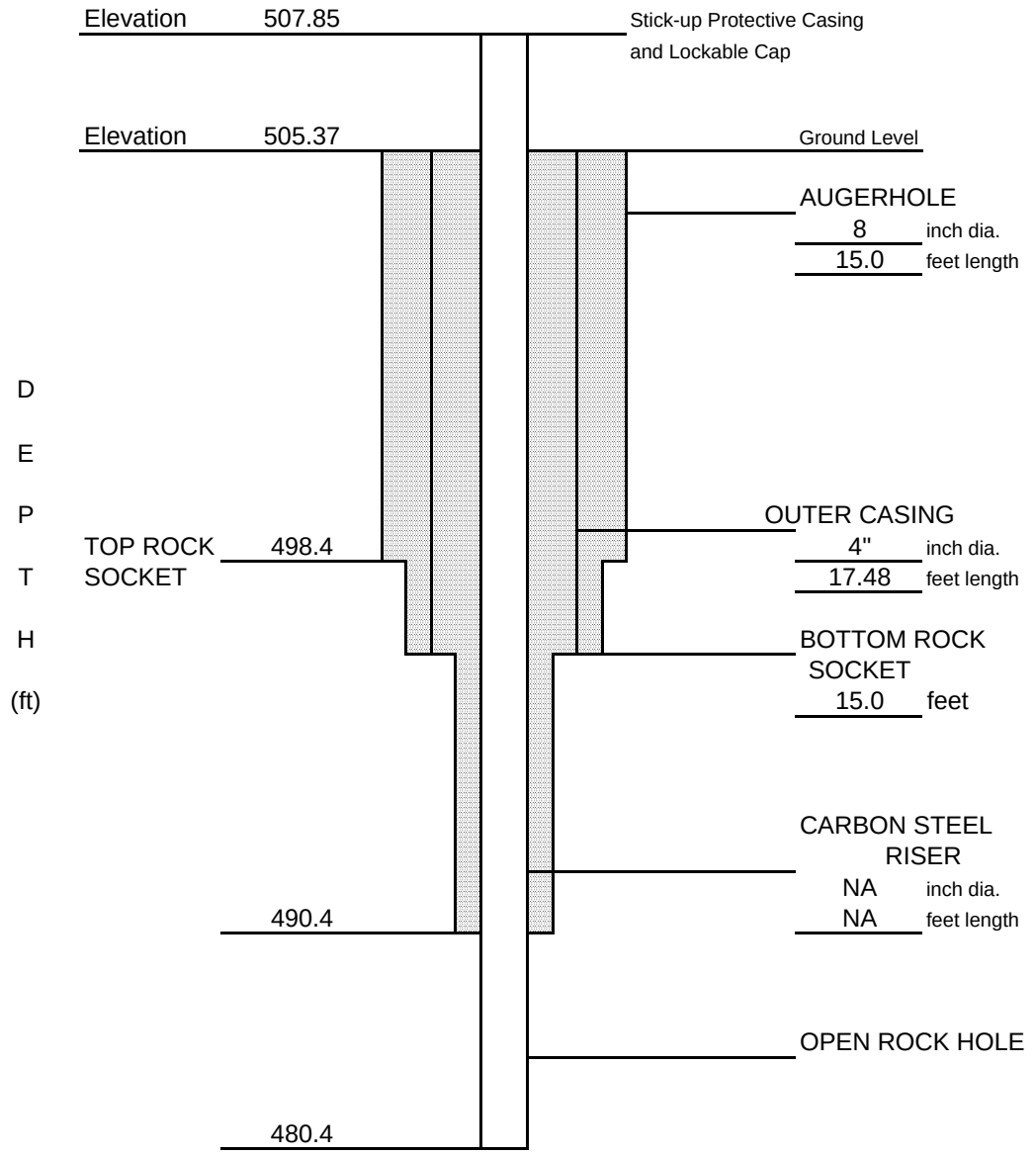
Rig Make/Model:
CME 85 - Truck Mounted

Date:
8/19/2008-8/25/2008

GEOLOGIC LOG

Depth(ft.)	Description
	See boring log.

WELL DESIGN



Not to Scale

CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: 4-inch steel stick-up	Type: Open Rock Hole	Type: None Setting:
Well: 4-inch ID carbon steel		*SEAL MATERIAL*
Monitor: open rock hole		Type: None Setting:

COMMENTS:

ROCK CORING

Cored Interval: 15.0-25.0'

Core Diameter: 1 7/8"

Reamed Diameter: 3 7/8"

LEGEND

Cement/Bentonite Grout

Client: DuPont CRG	**Location:** Rochester Driving Park	**Project No.:** 445424
Revised 3/10/10 PARSONS	**BEDROCK MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-6

DRILLING SUMMARY

Geologist: Dan Sheldon

Drilling Company:
Nothnagle Drilling

Driller:
Steve Lorente

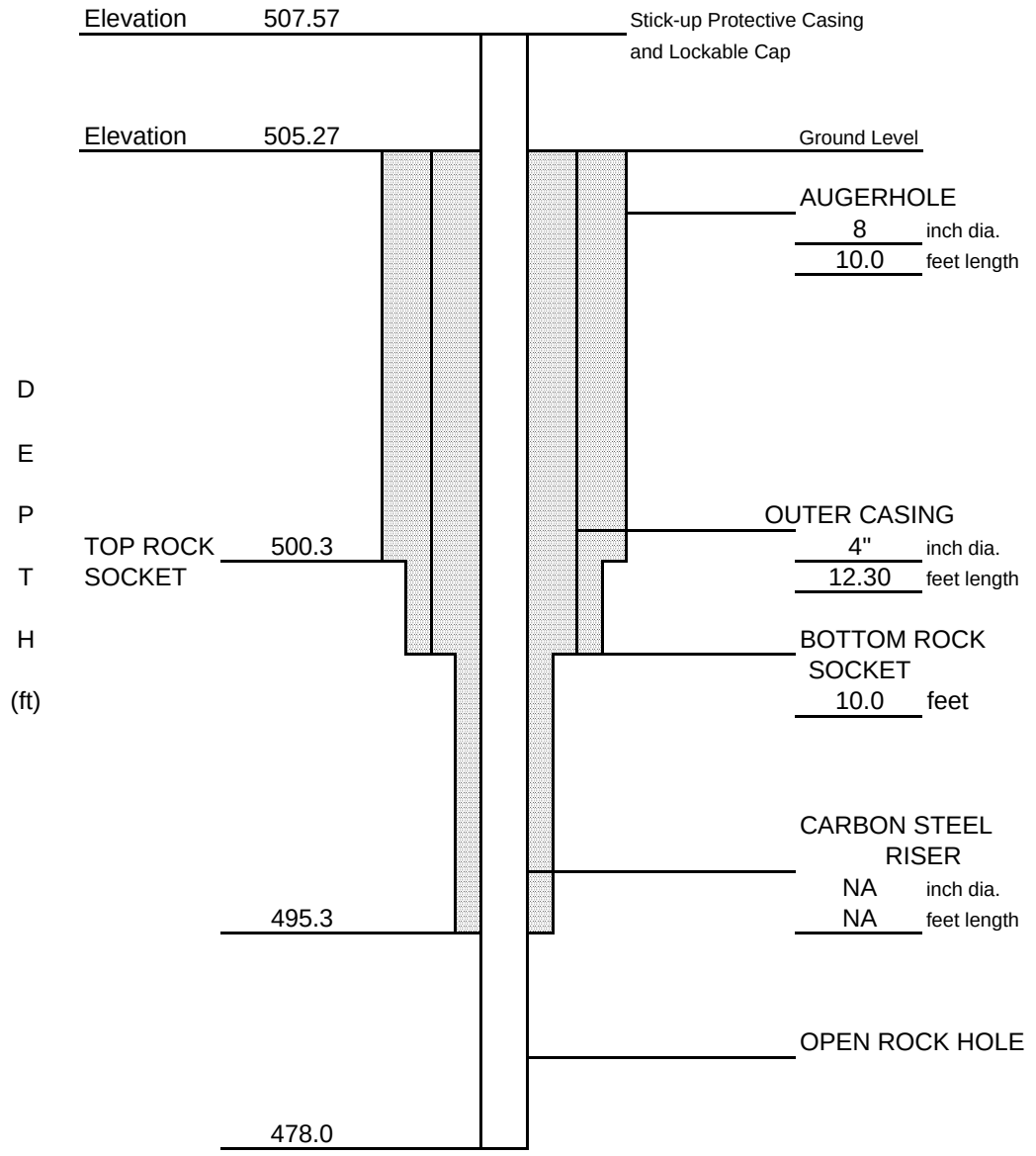
Rig Make/Model:
CME 85 - Truck Mounted

Date:
8/14/2008-8/18/2008

GEOLOGIC LOG

Depth(ft.)	Description
	See boring log.

WELL DESIGN



CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: 4-inch steel stick-up	Type: Open Rock Hole	Type: None Setting:
Well: 4-inch ID carbon steel		*SEAL MATERIAL* Type: None Setting:
Monitor: open rock hole		

COMMENTS:

ROCK CORING

Cored Interval: 114.0-124.0'

Core Diameter: 1 7/8"

Reamed Diameter: 3 7/8"

LEGEND

Cement/Bentonite Grout

Client: DuPont CRG	**Location:** Rochester Driving Park	**Project No.:** 445424
Revised 3/10/10 PARSONS	**BEDROCK MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-7

DRILLING SUMMARY

Geologist: Dan Sheldon

Drilling Company:
Nothnagle Drilling

Driller:
Steve Lorente

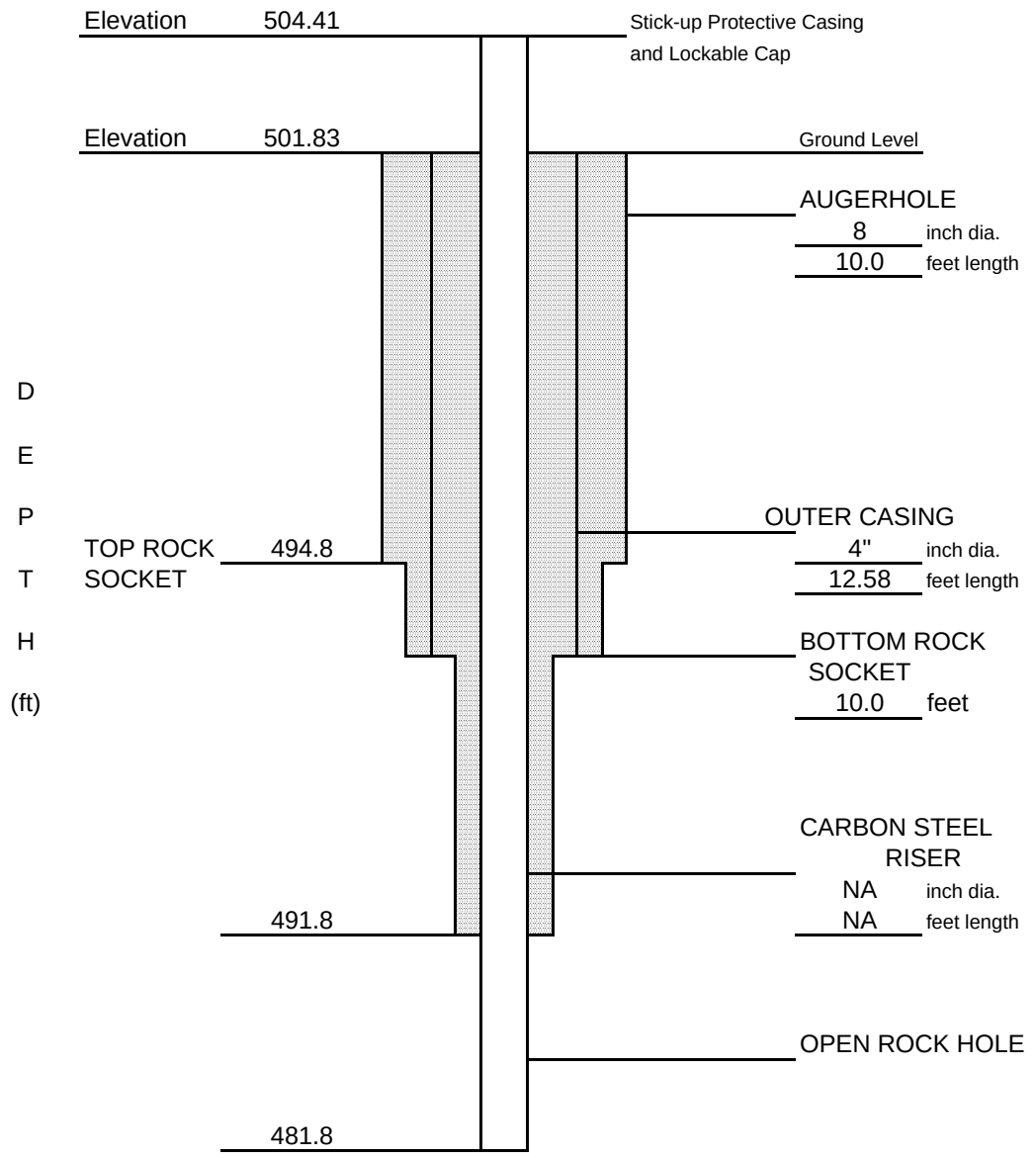
Rig Make/Model:
CME 85 - Truck Mounted

Date:
8/14/2008-8/18/2008

GEOLOGIC LOG

Depth(ft.)	Description
	See boring log.

WELL DESIGN



Not to Scale

CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: 4-inch steel stick-up	Type: Open Rock Hole	Type: None Setting:
Well: 4-inch ID carbon steel		*SEAL MATERIAL* Type: None Setting:
Monitor: open rock hole		

COMMENTS:

ROCK CORING

Cored Interval: 10.0-20.0'

Core Diameter: 1 7/8"

Reamed Diameter: 3 7/8"

LEGEND

Cement/Bentonite Grout

Client: DuPont CRG | **Location: Rochester Driving Park** | **Project No.:** 445424

Revised 3/10/10

PARSONS

BEDROCK MONITORING WELL CONSTRUCTION DETAILS

Well Number: MW-9

Data Usability Reports