

BRINKERHOFF



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 COPY

May 24, 2011

Mr. Gary Greulich
New Jersey Department of Environmental Protection
Bureau of Northern Field Operations
7 Ridgedale Avenue
Cedar Knolls, New Jersey 07927-1112

Re: Notice of Deficiency (NOD) – Remedial Action Progress Report (RAPR)
Former Whitlock Cordage Facility
160 Lafayette Street, Jersey City, Hudson County, New Jersey
Site Remediation Program (SRP) Program Interest No. G000043329
Activity: BFO000002; Bureau of Field Operations (BFO) File No. 09-06-493
Brinkerhoff Project No. 03MD035

Dear Mr. Greulich:

On behalf of Whitlock Mills, LP, Brinkerhoff Environmental Services, Inc. (Brinkerhoff) is responding to the Notice of Deficiency dated January 25, 2011 for the above-referenced property identified as the Former Whitlock Cordage Facility located at 160 Lafayette Avenue in Jersey City, Hudson County, New Jersey (hereinafter referred to as the site). The site consists of the approximately six (6)-acre parcel referenced as Block 2057, Lot 28, in the Jersey City tax records (refer to Figure 1). The site was formerly operated as a rope manufacturer.

Major renovations of existing buildings and construction of new buildings had been ongoing at the site from approximately 2004 through 2009 and as a result affected the progress of remedial activities. The site is currently in the final phase of construction for residential housing use; however, due to an adjustment in property management, the remedial activities have been delayed (refer to Figure 2). This RAPR identifies the activities performed at the site as per the approved Remedial Investigation Workplan dated March 24, 2008. Specifically, the activities performed at the site include groundwater and vapor intrusion (VI) studies.

1.0 GROUNDWATER ACTIVITIES

1.1 Monitoring Well Installation/Replacement

Several wells (MW-4, MW-5, MW-6 and MW-7) were damaged beyond repair and required replacement due to cracked polyvinyl chloride (PVC) casings and backfilling of the areas during on-site construction/grading activities. The replacement monitoring wells ("R") were installed proximal to the wells being replaced in areas that were deemed safe from construction activities

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and accessible for future monitoring activities. The four (4)-inch PVC monitoring wells were installed by a New Jersey-licensed Well Driller using hollow stem auger drilling techniques. Refer to Appendix I for copies of Well Logs, Monitoring Well Records, Monitoring Well Permit, and Certification Form B's.

1.2 Monitoring Well Abandonment

Subsequent to the installation of replacement wells, in 2008 Monitoring Wells MW-4, MW-5, MW-6 and MW-7 were properly abandoned by a New Jersey-licensed Well Driller in accordance with technical regulations. In addition, sitewide utilities required correction and, as a result, Monitoring Wells MW-4R and MW-8D were abandoned on March 24, 2011 by a New Jersey-licensed Well Driller. Refer to Appendix II for the available Well Decommissioning Reports.

1.3 Vertical Delineation Monitoring Well – On Site

Based upon the presence of chlorinated volatile organic compounds (CVOCs) in on-site monitoring wells, Brinkerhoff oversaw the installation of one (1) vertical delineation monitoring well (MW-8D) in the eastern portion of the site. The "deep" monitoring well was installed by a New Jersey-licensed Well Driller to an estimated depth of 40 feet below grade with 10 feet of well screen. Refer to Appendix III for the Well Log and Monitoring Well Record.

1.4 Monitoring Well – Off Site

Based upon the results of historic groundwater gauging and sampling, projected groundwater flow direction using the shallow monitoring wells is generally toward the south by southeast. Brinkerhoff secured off-site access from Jersey City and installed one (1) shallow off-site monitoring well (MW-9) in Reverend Ercel Webb Park to confirm horizontal delineation. Monitoring well MW-9 was installed on September 22, 2009 by a New Jersey-licensed Well Driller to an estimated depth of 17 feet below grade with 10 feet of well screen. Refer to Appendix IV for copies of the well logs, monitoring well records, monitoring well permit, and Certification Form B.

1.5 Groundwater Gauging/Sampling

Subsequent to the installation of the replacement monitoring wells, Brinkerhoff performed gauging and sampling events in April, May, June/July, October, and November of 2008, October of 2009, and June 2010 to aid in the establishment of on-site groundwater flow direction. Depth to groundwater for each monitoring well and the calculated groundwater elevation are provided

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in Table 1. Using the elevation data, a groundwater contour map was prepared for each gauging and sampling event presented as Figures 3 through 9. In general, groundwater flow direction for each event was calculated as south-southeast.

Monitoring wells were sampled in accordance with the New Jersey Department of Environmental Protection's (NJDEP's) August 2005 *Field Sampling Procedures Manual* and were analyzed for Target Compound List (TCL) volatile organic compounds, with a 10-peak library search (VO+10) via United States Environmental Protection Agency (USEPA) Method 624. Prior to sampling, all monitoring wells were gauged. Approximately three (3) to five (5) well volumes of water were purged from each well prior to sampling using a submersible pump with dedicated polytubing. Field measurements, including depth to groundwater, dissolved oxygen, specific conductivity, temperature, and potential of hydrogen (pH), were collected prior to and after purging and prior to sampling. Field data for all sampling events are presented on Monitoring Well Sampling Data Forms provided in Appendix V.

Samples were collected with disposable bailers and transferred to laboratory-supplied glassware. The sample bottles were placed in a cooler on ice, transported to Brinkerhoff's office, and placed in a designated refrigerator until picked up by Aqua Pro-Tech Laboratories (APL), an NJDEP-certified laboratory, Certification No. 07010, and analyzed for VO+10. The samples were transported and analyzed within required holding times. Groundwater sampling results were compared to NJDEP Class II-A Groundwater Quality Standards (GWQS).

April 2008

In review of the laboratory analytical results from the April 2008 sampling event, the following exceedances of NJDEP Class II-A GWQS were identified:

- cis-1,2-dichloroethene in MW-5R and MW-7R;
- 1,1-dichloroethene in MW-7R;
- 1,2-dichloropropane in MW-7R;
- 1,2,4-trichlorobenzene in MW-7R;
- 1,1,1-trichloroethane in MW-7R;
- Trichloroethene (TCE) in MW-4R, MW-5R and MW-7R;
- Tetrachloroethene (PCE) in MW-3, MW-4R, MW-5R, and MW-7R; and
- Vinyl chloride (VC) in MW-5R and MW-7R

A summary of the laboratory analytical data is presented in Table 2, noting detections above the laboratory method detection limit (MDL). Complete laboratory analytical data are provided in Appendix VI.

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May 2008

In review of the analytical results from the May 2008 sampling event, the following exceedances of NJDEP Class II-A GWQS were identified:

- cis-1,2-dichloroethene in MW-5R and MW-7R;
- 1,1-dichloroethene in MW-7R;
- 1,2-dichloropropane in MW-7R;
- TCE in MW-3, MW-4R, and MW-7R;
- PCE in MW-3, MW-4R, MW-5R, and MW-7R; and
- VC in MW-5R and MW-7R.

A summary of the laboratory analytical data is presented in Table 3, noting detections above the laboratory MDL. Complete laboratory analytical data are provided in Appendix VII.

June 2008 and July 2008 (MW-8D only)

In review of the laboratory analytical results from the June 2008 sampling event, the following exceedances of NJDEP Class II-A GWQS were identified:

- cis-1,2-dichloroethene in MW-7R;
- 1,1-dichloroethene in MW-7R;
- 1,2-dichloropropane in MW-7R;
- TCE in MW-3, MW-4R, and MW-7R;
- PCE in MW-3, MW-4R, MW-5R, and MW-7R; and
- VC in MW-3, MW-5R and MW-7R.

A summary of the laboratory analytical data is presented in Table 4, noting detections above the laboratory MDL. Complete laboratory analytical data are provided in Appendix VIII.

October 2008

In review of the laboratory analytical results from the October 2008 sampling event, the following exceedances of NJDEP Class II-A GWQS were identified:

- cis-1,2-dichloroethene in MW-7R;
- TCE in MW-4R, MW-5R, and MW-7R; and
- PCE in MW-4R, MW-5R, and MW-7R

A summary of the laboratory analytical data is presented in Table 5, noting detections above the laboratory MDL. Complete laboratory analytical data are provided in Appendix IX.

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November 2008

In review of the laboratory analytical results from the November 2008 sampling event, the following exceedances of NJDEP Class II-A GWQS were identified:

- cis-1,2-dichloroethene in MW-7R;
- TCE in MW-7R
- PCE in MW-4R and MW-7R

A summary of the laboratory analytical data is presented in Table 6, noting detections above the laboratory MDL. Complete laboratory analytical data are provided in Appendix X.

October 2009

In review of the laboratory analytical results from the October 2009 sampling event, the following exceedances of NJDEP Class II-A GWQS were identified:

- cis-1,2-dichloroethene in MW-7R;
- 1,2-dichloropropane in MW-7R;
- TCE in MW-5R, MW-7R and MW-8D;
- PCE in MW-5R, MW-7R, MW-8D and MW-9;
- VC in MW-7R.

A summary of the laboratory analytical data is presented in Table 7, noting detections above the laboratory MDL. Complete laboratory analytical data are provided in Appendix XI.

June 2010

In review of the laboratory analytical results from the June 2010 sampling event, the following exceedances of NJDEP Class II-A GWQS were identified:

- cis-1,2-dichloroethene in MW-7R;
- 1,1-dichloroethene in MW-7R;
- 1,2-dichloropropane in MW-7R;
- TCE in MW-4R, MW-5R, and 7R;
- Vinyl chloride in MW-3R and MW-7R
- PCE in MW-4R, MW-5R, MW-7R, MW-8D and MW-9

A summary of the laboratory analytical data is presented in Table 8, noting detections above the laboratory MDL. Complete laboratory analytical data are provided in Appendix XII.

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1.6 Aquifer Testing

Brinkerhoff did not perform the proposed slug testing at the site since groundwater delineation is not complete. This activity will be performed following subsequent monitoring well installation, gauging and sampling events. The groundwater plume appears to be concentrated in the vicinity of MW-4R located near the outparcel at the site. Based upon this observation, investigation for a potential off-site source is proposed and will be accomplished through a document review and additional off-site monitoring wells.

2.0 VAPOR INTRUSION (VI) STUDY

As part of the NJDEP-approved RIW, Brinkerhoff performed the indoor, sub slab and soil vapor sampling to evaluate the potential impact of CVOCs to onsite existing (Buildings A, F, G and H) and new (I Buildings) construction buildings. The sample locations were based on accessibility and were representative of the entire site. Vapor intrusion activities were performed in 2007 and 2008. At the time of said field activities, the laboratory analytical data provided in Appendices XIII through XV were valid and met current standards. Please note that the format of the laboratory analytical data does not meet current requirements. Laboratory analytical data provided in the following subsections were utilized in the design of a vapor system per building associated with the subject property. Sample locations discussed below are presented on Figure 10.

2.1 Indoor Air Quality (IAQ) Sampling

On December 19, 2007 and March 14, 2008, Brinkerhoff performed IAQ testing in Building F, the largest existing building on site. A total of four (4) samples were collected including samples from the first and fifth floors and one (1) exterior or background sample. A second round of sampling was performed on March 14, 2008 to confirm the initial results of December 19, 2007.

Indoor air samples were collected on the first floor (Unit 108 and Unit 109) and fifth floor (Unit 512); an exterior/ambient air sample was collected outside of Unit 306 on the fire escape. Brinkerhoff placed the six (6)-liter Summa® canisters on site in closed/secured units to collect vapors over a 24-hour period. Samples were denoted IAQ-1-Unit108, IAQ-2-Unit512, IAQ-2-Unit109, and AA-1-Background.

The samples were submitted to Chemtech, an NJDEP-certified laboratory, Certification No. 20012, for laboratory analyses via modified USEPA Method TO-15, using the GC/MS (gas chromatography/mass spectroscopy) full scan. A summary of the laboratory analytical results is presented in Table 9; laboratory analytical data are provided in Appendix XIII.

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2.1.1 Indoor Air Sampling Results – December 2007

Laboratory results identified benzene, chloroform, methylene chloride, and PCE, exceeding the NJDEP Residential Indoor Air Screening Level (IASL). Benzene was detected in IAQ-2-512 at a concentration of 0.6 parts per billion per volume (ppbv), exceeding the applicable NJDEP Residential IASL of 0.5 ppbv. Chloroform was detected in IAQ-1-Unit108, IAQ-2-512 and IAQ-2-Unit109 at concentrations of 2.4 ppbv, 4.3 ppbv and 1.1 ppbv, respectively, exceeding the applicable NJDEP Residential IASL of 0.5 ppbv.

Methylene chloride was detected in AA-1-Background, IAQ-1-Unit108 and IAQ-2-512 at concentrations of 1.6 ppbv, 1.4 ppbv, and 1.6 ppbv, respectively, exceeding the applicable NJDEP Residential IASL of one (1) ppbv. Tetrachloroethene was detected in IAQ-1-Unit108 and IAQ-2-Unit512 at concentrations of 160 ppbv and 1.2 ppbv, respectively, exceeding the applicable NJDEP Residential IASL of one (1) ppbv. The presence of methylene chloride in both interior and ambient air samples may be attributed to a laboratory contaminant.

2.1.2 Indoor Air Sampling Results – March 14, 2008

Based upon initial results from the December 2007 sampling, Brinkerhoff performed a second round of sampling on the first floor of Building F (Unit 109) to confirm the elevated PCE concentration. The March 14, 2008 sampling result identified elevated chloroform at 1.1 ppbv and PCE at 61 ppbv, respectively, exceeding the NJDEP Residential IASL of 0.5 and one (1) ppbv and the Health Department Notification Level for tetrachloroethene of 50 ppbv. Remaining targeted compounds were either nondetectable (ND) or below applicable screening levels.

2.2 Subslab Sampling

On March 13 and 14, 2008, Brinkerhoff performed subslab vapor sampling in buildings that were accessible as construction activities were ongoing. Brinkerhoff collected 10 subslab vapor samples in the basements or first floors of accessible units throughout the subject property. Subslab vapor points were installed in Buildings I-2, I-4, I-6, I-10, I-14, I-20, I-26, A, F, and H. Subslab vapor samples representing each building were denoted accordingly as follows: I2-SSV, I4-SSV, I6-SSV, I10-SSV, I14-SSV, I20-SSV, I26-SSV, A-SSV, F-SSV, and H-SSV. Samples were collected in accordance with the NJDEP's *Vapor Intrusion Guidance* (VIG). A one-half (0.5)-inch hole was drilled via a handheld electric hammer drill with a concrete bit at each subslab sample location. The hole was drilled through a five (5)-inch concrete slab to approximately four (4) inches below the bottom of the concrete slab. A vapor implant attached to Teflon® tubing was inserted into the base of the boring via a hollow stainless steel soil gas probe. The probe was removed, leaving the vapor implant and tubing in the boring at a depth of

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three (3) inches below the slab. The hole was sealed with non-VOC-emitting modeling clay at the surface to prevent leakage.

Each sample point was purged of three (3) to five (5) volumes using a Thermo Environmental Instruments Organic Vapor Meter (OVM). Brinkerhoff then attached a six (6)-liter Summa® canister with regulator directly to the Teflon® tubing. The regulator was laboratory-set to collect a sample over a one (1)-hour period. A tracer gas, isopropynol, was applied as per NJDEP regulations. Once sample collection was complete, each canister was closed and the regulator was removed. The samples were submitted to an NJDEP-certified laboratory for analyses via modified USEPA Method TO-15, using the GC/MS full scan and methane. Laboratory analytical results are summarized in Table 10. Complete laboratory analytical data are provided in Appendix XIV.

2.2.1 Subslab Vapor Sampling Results

Laboratory results identified PCE exceeding the NJDEP Residential Soil Gas Screening Level (SGSL) of five (5) ppbv in Samples I4-SSC, I4-SSV, and F-SSV at concentrations of 8.4 ppbv, 24 ppbv, and 2,100 ppb, respectively. TCE was also reported in excess of the NDJEP SGSL of five (5) ppbv in Sample F-SSV at a concentration of 12 ppbv. Remaining targeted compounds were either ND or below applicable screening levels. Elevated concentrations were identified in the central to western portion of the site, consistent with the documented groundwater plume.

2.3 Soil Vapor Sampling

On April 24, 2008, Brinkerhoff performed soil vapor sampling to evaluate the presence of CVOCs on the exterior portions of on-site buildings. This sampling was performed on the central to western portions of the site. A total of four (4) soil gas samples were collected which were designated SV- 1 through SV-4.

Based upon the groundwater depth of monitoring wells ranging from five (5) to eight (8) feet in depth, soil vapor samples were collected at a depth of approximately three (3) feet in accordance with the NJDEP's VIG. Brinkerhoff utilized a hand drill to install the soil vapor implant. The soil vapor implant consisted of an implant screen with barbed tubing connection and one-quarter (0.25)-inch by three-eighths (0.375)-inch tubing. The implant was connected to a piece of three-eighths (0.375)-inch polytubing and then placed down the steel rods.

The rods were retracted which opened the implant screen and exposed subsurface soil. Clean sand was poured down the annular space to an approximate depth of six (6) inches. The remaining portion of the borehole was capped with bentonite slurry. The samples were

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submitted to Chemtech for analyses via modified USEPA Method TO-15, using the GC/MS full scan and methane. Laboratory analytical results are summarized in Table 11. Complete laboratory analytical data are provided in Appendix XV.

2.3.1 Soil Vapor Sample Results

Laboratory analytical results identified PCE exceeding the NJDEP Residential SGSL of five (5) ppbv in Sample SV-2 at a concentration of 6.5 ppbv. Remaining targeted compounds were either ND or below applicable cleanup standards. The elevated concentration was identified in the central portion of the site; however above the NJDEP standard.

3.0 SUMMARY

Groundwater

Based upon historic sampling results, there appears to be a fluctuating, but overall decreasing, trend of PCE and TCE constituents and an increasing trend in the presence of daughter compounds (cis-dichlorethene and vinyl chloride formed through biodegradation). In review of the historical groundwater data, a contaminant plume appears to be centered in the southeastern portion of the property near MW-4R and MW-7R.

Vapor Intrusion

Based on the results of the vapor intrusion sampling, presence of elevated CVOCs in groundwater and the lack of vapor inhibiting materials installed during construction (gas impermeable liner or PVC laterals), Brinkerhoff proposes sub slab vapor ventilation systems for onsite structures. The installation of sub slab vapor ventilation systems will provide a measure of safety to address potential vapor intrusion of CVOCs.

4.0 PROPOSED ACTIVITIES

1. Monitoring Wells MW-4R and MW-8D will be reinstalled following completion of the utility installation and asphalt surface. The monitoring wells will be reinstalled approximately three (3) weeks following resurfacing activities.
2. Brinkerhoff will inspect the composition and depth of the capping material at the site.
3. Upon completion of construction activities, Brinkerhoff will submit a Deed Notice with supporting documentation (certified clean fill receipts). Historic investigations conducted on site have documented the presence of historic fill. According to the NJDEP capping approval, exposed or landscaped areas will require one (1) foot of clean fill as an engineering control/cap. A Deed Notice will be prepared to manage the contaminants that will be left in place. Brinkerhoff will evaluate the site to ensure that the field

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conditions are consistent with the Capping Plan approved by the NJDEP on June 4, 2008.

4. CVOCs detected at the site will be further evaluated through investigation of potential off-site sources, as documented in the database search conducted by Brinkerhoff during implementation of the Preliminary Assessment. Brinkerhoff will perform a file review of these potential off-site sources and evaluate the data for the installation of additional off-site monitoring wells to complete groundwater delineation. If applicable, access to existing monitoring wells will be sought for sampling.
5. As a result of the laboratory analytical data, a facility-wide subslab ventilation system will be installed in every structure on site.

Should you have questions and/or comments or require additional information, please do not hesitate to contact the undersigned at 732-223-2225.

Respectfully submitted,

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.



LAURA A. BRINKERHOFF
Principal

Table 1 - Groundwater Gauging Activities

Former Whitlock Cordage Facility
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MW	Casing Elevation	April-08		May-08		June-08		October-08		November-08		October-09		June-10	
		DTW	Groundwater Elevation	DTW	Groundwater Elevation	DTW	Groundwater Elevation	DTW	Groundwater Elevation	DTW	Groundwater Elevation	DTW	Groundwater Elevation	DTW	Groundwater Elevation
MW-2R	97.89	10.59	87.3	10.52	87.37	10.34	87.55	10.47	87.42	10.59	87.3	10.84	87.05	9.81	88.08
MW-3R	96.45	8.88	87.57	8.84	87.61	8.68	87.77	--	--	9.75	86.7	10	86.45	9.98	86.47
MW-4R	94.53	7.94	86.59	7.82	86.71	7.63	86.9	7.64	86.89	8.75	85.78	--	--	8.11	86.42
MW-5R	98.15	12.1	86.05	11.58	86.57	10.89	87.26	10.99	87.16	11.11	87.04	11.33	86.82	11.35	86.8
MW-6R	95.11	6.87	88.24	6.76	88.35	6.49	88.62	6.68	88.43	6.78	88.33	7.4	87.71	7.04	88.07
MW-7R	95.78	9.49	86.29	9.51	86.27	9.31	86.47	9.32	86.46	9.4	86.38	9.59	86.19	9.6	86.18
MW-8D	91.78	NI	NI	NI	NI	NI	NI	7.71	84.07	7.8	83.98	8.06	83.72	8	83.78
MW-9	91.78	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	5.53	86.25	5.57	86.21

NI - Monitoring well not installed

-- Not gauged

Table 2 - April 2008 Groundwater Analytical Results

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Sample ID:	MW-2R	MW-4R	MW-5R	MW-6R	MW-7R	NJDEP Class IIA GW/QS
	4-29-08	4-29-08	4-29-08	4-29-08	4-29-08	
Date Sampled:	4-29-08	4-29-08	4-29-08	4-29-08	4-29-08	
Matrix:	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
Units:	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L
Volatile Organic Compounds (YO+10)						
cis 1,2-Dichloroethene	ND (0.31)	2.97 (0.31)	5.47 (0.31)	ND (0.31)	2,690.0 D (31.0)	70
1,2-Dichlorobenzene	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	3.25 (0.12)	600
1,1-Dichloroethene	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	8.56 (0.32)	1
1,1-Dichloroethane	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	2.2 (0.16)	50
1,2-Dichloropropane	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	132.0 (0.59)	1
Methyl tert-Butyl Ether (MTBE)	ND (0.88)	1.62 (0.88)	ND (0.88)	0.547 J (0.88)	0.697 J (0.88)	70
trans 1,2-Dichloroethene	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	9.37 (0.26)	NEC
1,2,4-Trichlorobenzene	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	11.8 (0.57)	9
1,1,1-Trichloroethane (TCA)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	46.2 (0.26)	30
Trichloroethene (TCE)	ND (0.24)	2.01 (0.24)	1.08 (0.24)	ND (0.24)	1,110.0 D (24.0)	1
Tetrachloroethene (PCE)	ND (0.21)	323.0 D (2.1)	4.23 (0.21)	ND (0.21)	16,300.0 D (21.0)	1
Vinyl Chloride	ND (0.87)	ND (0.87)	4.9 (0.87)	ND (0.87)	74.4 (0.87)	1

NOTES:

Sample results are shown only for those compounds detected.

NEC - No Established Criteria

D - Indicates a dilution

ND - not detected

ug/L - micrograms per liter

J - Indicates estimation

NJDEP - New Jersey Department of Environmental Protection

GWQS - Class IIA Groundwater Quality Standards

Results in bold indicate exceedance of NJDEP Standards

Table 3 - May 2008 Groundwater Analytical Results

Former Whitlock Cordage Facility
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Sample ID:	MW-3	MW-4R	MW-5R	MW-6R	MW-7R	NJDEP Class IIA GWQS
Date Sampled:	5-28-08	5-28-08	5-28-08	5-28-08	5-28-08	
Matrix:	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
Units:	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L
Volatile Organic Compounds (VO+10)						
cis 1,2-Dichloroethene	2.19 (0.31)	4.85 (0.31)	5.86 (0.31)	0.625 (0.31)	1,150.0 D (31.0)	70
1,2-Dichlorobenzene	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	1.13 (0.12)	600
1,1-Dichloroethene	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	3.89 (0.32)	1
1,1-Dichloroethane	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	0.773 (0.16)	50
1,2-Dichloropropane	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	38.9 (0.59)	1
Methyl tert-Butyl Ether (MTBE)	ND (0.88)	1.31 (0.88)	ND (0.88)	ND (0.88)	0.555 J (0.88)	70
trans 1,2-Dichloroethene	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	3.58 (0.26)	NEC
1,2,4-Trichlorobenzene	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	4.24 (0.57)	9
1,1,1-Trichloroethane (TCA)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	11.8 (0.26)	30
Trichloroethene (TCE)	1.53 (0.24)	2.36 (0.24)	0.707 (0.24)	ND (0.24)	495.0 D (24.0)	1
Tetrachloroethene (PCE)	5.38 (0.21)	494.0 D (10.5)	4.41 (0.21)	ND (0.21)	8,810.0 D (21.0)	1
Vinyl Chloride	0.589 J (0.87)	ND (0.87)	6.7 (0.87)	0.567 J (0.87)	12.7 (0.87)	1

NOTES:

Sample results are shown only for those compounds detected.

NEC - No Established Criteria

D - Indicates a dilution

ND - not detected

ug/L - micrograms per liter

J - Indicates estimation

NJDEP - New Jersey Department of Environmental Protection

GWQS - Class IIA Groundwater Quality Standards

Results in **bold** indicate exceedance of NJDEP Standards

Table 4 - June and July 2008 Groundwater Analytical Results

Former Whitlock Cordage Facility
 Jersey City, Hudson County, New Jersey

Sample ID:	MW-3	MW-4R	MW-5R	MW-6R	MW-7R	MW-8D	NJDEP Class IIA GWQS
Date Sampled:	6-30-08	6-30-08	6-30-08	6-30-08	6-30-08	7-15-08	
Matrix:	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
Units:	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L
Volatile Organic Compounds (VOC+10)							
cis 1,2-Dichloroethene	6.16 (0.31)	17.6 (0.31)	5.27 (0.31)	ND (0.31)	1,480.0 D (15.5)	ND (0.31)	70
1,1-Dichloroethene	ND (0.32)	ND (0.32)	ND (0.32)	ND (0.32)	7.36 (0.32)	ND (0.32)	1
1,2-Dichloropropane	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	40.5 (0.59)	ND (0.59)	1
trans 1,2-Dichloroethene	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	4.62 (0.26)	ND (0.26)	NEC
1,1,1-Trichloroethane (TCA)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	13.0 (0.26)	ND (0.26)	30
Trichloroethene (TCE)	3.1 (0.24)	4.75 (0.24)	ND (0.24)	ND (0.24)	775.0 D (12.0)	ND (0.24)	1
Tetrachloroethene (PCE)	2.85 (0.21)	358.0 D (2.1)	2.54 (0.21)	ND (0.21)	12,400.0 D (105.0)	ND (0.21)	1
Vinyl Chloride	4.97 (0.87)	ND (0.87)	7.79 (0.87)	ND (0.87)	22.7 (0.87)	ND (0.87)	1

NOTES:

Sample results are shown only for those compounds detected.

NEC - No Established Criteria

D - Indicates a dilution

ND - not detected

ug/L - micrograms per liter

J - Indicates estimation

NJDEP - New Jersey Department of Environmental Protection

GWQS - Class IIA Groundwater Quality Standards

Results in **bold** indicate exceedance of NJDEP Standards

Table 5- October 2008 Groundwater Analytical Results

Former Whitlock Cordage Facility
 Jersey City, Hudson County, New Jersey

Sample ID:	MW-2R	MW-4R	MW-5R	MW-6R	MW-7R	MW-8D	NJDEP Class IIA GWQS
Date Sampled:	10/9/08	10/9/08	10/9/08	10/9/08	10/9/08	10/9/08	
Matrix:	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
Units:	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L
Volatile Organic Compounds (VO+10)							
cis 1,2-Dichloroethene	ND (0.31)	30.4 D (1.55)	6.1 (0.310)	ND (0.31)	556 D (31)	ND (0.31)	70
Trichloroethene (TCE)	ND (0.24)	7.75 D (1.2)	1.06 (0.24)	ND (0.24)	397 D (24)	ND (0.24)	1
Tetrachloroethene (PCE)	ND (0.21)	214 D (1.05)	2.85 (0.21)	ND (0.21)	5100 D (21)	ND (0.21)	1

NOTES:

Sample results are shown only for those compounds detected.

NEC - No Established Criteria

D - Indicates a dilution

ND - not detected

ug/L - micrograms per liter

J - Indicates estimation

NJDEP - New Jersey Department of Environmental Protection

GWQS - Class IIA Groundwater Quality Standards

Results in **bold** indicate exceedance of NJDEP Standards

Table 6- November 2008 Groundwater Analytical Results

Former Whitlock Cordage Facility
 Jersey City, Hudson County, New Jersey

Sample ID:	MW-3R	MW-4R	MW-7R	NJDEP Class IIA GWQS
Date Sampled:	11/14/08	11/14/08	11/14/08	
Matrix:	Groundwater	Groundwater	Groundwater	
Units:	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L
Volatile Organic Compounds (VO+10)				
cis 1,2-Dichloroethene	0.598 (0.31)	16 D (1.55)	149 D (3.1)	70
Trichloroethene (TCE)	ND (0.24)	ND (1.2)	41.5 D (2.4)	1
Tetrachloroethene (PCE)	ND (0.21)	386 D (1.05)	2,260 E (2.1)	1
Vinyl chloride	0.495 J (0.87)	ND (4.35)	ND (8.7)	1
Methyl tert-Butyl Ether (MTBE)	5.01 (0.88)	ND (4.4)	ND (8.8)	70

NOTES:

Sample results are shown only for those compounds detected.

NEC - No Established Criteria

D - Indicates a dilution

ND - not detected

ug/L - micrograms per liter

J - Indicates estimation

NJDEP - New Jersey Department of Environmental Protection

GWQS - Class IIA Groundwater Quality Standards

Results in **bold** indicate exceedance of NJDEP Standards

Table 7 - October 2009 Groundwater Analytical Results

Former Whitlock Cordage Facility
 Jersey City, Hudson County, New Jersey

Sample ID:	MW-2R	MW-3R	MW-5R	MW-7R	MW-8D	MW-9	NJDEP Class IIA GWQS
Date Sampled:	10-22-09	10-22-09	10-22-09	10-22-09	10-22-09	10-22-09	
Matrix:	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
Units:	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L
Volatile Organic Compounds (VO+10)							
cis 1,2-Dichloroethene	ND (0.27)	ND (0.27)	5.09 (0.27)	419 D(5.40)	ND (0.27)	ND (0.27)	70
1,2-Dichloropropane	ND (0.28)	ND (0.28)	ND (0.28)	4.79 (0.28)	ND (0.28)	ND (0.28)	1
trans 1,2-Dichloroethene	ND (0.33)	ND (0.33)	ND (0.33)	4.86 (0.33)	ND (0.33)	ND (0.33)	NEC
Methyl tert-Buyl Ether	ND (0.26)	3.32 (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	70
Trichloroethene (TCE)	ND (0.39)	ND (0.39)	2.6 (0.39)	102 (0.39)	1.21 (0.39)	ND (0.39)	1
Tetrachloroethene (PCE)	ND (0.60)	ND (0.60)	12.5 (0.60)	988 D(12.00)	1.16 (0.60)	1.25 (0.60)	1
Vinyl Chloride	ND (0.51)	ND (0.51)	ND (0.51)	1.97 (0.51)	ND (0.51)	ND (0.51)	1
TICs	0.00	0.00	0.00	0.00	0.00	0.00	500

NOTES:

Sample results are shown only for those compounds detected.

NEC - No Established Criteria

D - Indicates a dilution

ND - not detected

ug/L - micrograms per liter

J - Indicates estimation

NJDEP - New Jersey Department of Environmental Protection

GWQS - Class IIA Groundwater Quality Standards

Results in bold indicate exceedance of NJDEP Standards

Table 8 - June 2010 Groundwater Analytical Results

Former Whitlock Cordage Facility
 Jersey City, Hudson County, New Jersey

Sample ID:	MW-2R	MW-3R	MW-4R	MW-5R	MW-6R	MW-7R	MW-8D	MW-9	NJDEP
Date Sampled:	6/29/2010	6/29/2010	6/29/2010	6/29/2010	6/29/2010	6/29/2010	6/29/2010	6/29/2010	Class IIA GWQS
Matrix:	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	ug/L
Units:	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L (MDL)	ug/L
Volatile Organic Compounds (VO+10)									
cis-1,2-Dichloroethene	ND	2.9 (0.270)	27.7 (0.270)	3.23 (0.270)	ND	616 (13.5)	0.899 (0.270)	ND	70
1,1-Dichloroethene	ND	ND	ND	ND	ND	2.99 (0.200)	ND	ND	1
1,2-Dichloropropane	ND	ND	ND	ND	ND	23 (0.280)	ND	ND	1
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	0.728 (0.200)	ND	ND	600
Methyl tert-Butyl Ether (MTBE)	ND	3.08 (0.260)	ND	ND	.523 (.260)	ND	ND	ND	70
trans-1,2-Dichloroethene	ND	ND	0.731 (0.330)	ND	ND	3.08 (0.330)	ND	ND	NEC
Trichloroethene	ND	0.614 (0.390)	9.95 (.390)	1.9 (.390)	ND	187 (0.390)	0.581 (0.390)	ND	1
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	5.4 (0.140)	ND	ND	30
Vinyl Chloride	ND	5.92 (.510)	0.799 (0.510)	0.827 (0.510)	ND	11.6 (0.51)	ND	ND	1
Tetrachloroethene	ND	ND	148 (6.0)	13.1 (0.600)	ND	5,240 D (30.0)	8.68 (0.600)	1.7 (0.600)	1
Total TICs	ND	ND	ND	ND	ND	ND	ND	ND	500

NOTES:

Sample results are shown only for those compounds detected.

NEC - No Established Criteria

D - Indicates a dilution

ND - not detected

ug/L - micrograms per liter

J - Indicates estimation

NJDEP - New Jersey Department of Environmental Protection

GWQS - Class IIA Groundwater Quality Standards

Results in **bold** indicate exceedance of NJDEP Standards

Table 9 - Summary of Indoor Air Quality Sampling Results

Former Whitlock Cordage Facility
 Jersey City, Hudson County, New Jersey

Sample ID	AA-1-Background Bldg F - Outside 12/19/2007	IAQ-1-UNIT108 Bldg F - 1st Floor 12/19/2007	IAQ-2-UNITS12 Bldg F - 5th Floor 12/19/2007	IAQ-2-UNIT109 Bldg F - 1st Floor 3/14/2008	Indoor Air Screening Residential Levels
Date Sampled	12/19/2007	12/19/2007	12/19/2007	3/14/2008	
Matrix	Air	Air	Air	Air	Residential Values
Units (Method Detection Limit)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv
Volatile Organic Compounds via Method TO-15					
Acetone (2-propanone)	6.0 (0.081)	32.0 D (3.2)	760.0 D (3.2)	8.8 (0.81)	1,400
Benzene	0.4 J (0.044)	0.4 J (0.044)	0.6 (0.5)	0.3 (0.4)	0.5
2-Butanone (Methyl ethyl ketone)	0.8 (0.1)	1.7 (0.1)	3.3 (0.1)	93 (0.1)	1,700
Chloroform	ND (0.031)	2.4 (0.031)	4.3 (0.031)	1.1 (0.031)	0.5
Chloromethane (Methyl Chloride)	0.6 (0.025)	0.6 (0.025)	0.9 (0.025)	1.0 (0.025)	46
1,4-Dichlorobenzene	ND (0.025)	ND (0.025)	0.1 J (0.025)	ND (0.025)	0.5
Dichlorodifluoromethane (Freon 12)	0.5 J (0.017)	0.5 J (0.017)	0.5 (0.017)	0.5 J (0.017)	37
Ethylbenzene	0.1 J (0.018)	0.2 (0.018)	0.3 J (0.018)	0.3 J (0.018)	240
4-Ethyltoluene	ND (0.015)	ND (0.015)	0.2 J (0.015)	0.2 J (0.015)	NSE
Heptane	0.1 J (0.024)	0.9 (0.024)	0.3 J (0.024)	0.8 (0.024)	NSE
Hexane (n-Hexane)	0.7 (0.026)	1.6 (0.026)	2.2 (0.026)	1.0 (0.026)	210
Methylene chloride (dichloromethane)	1.6 (0.015)	1.4 (0.015)	1.6 (0.015)	0.3 J (0.015)	1
4-Methyl-2-Pentatone (MIBK)	ND (0.05)	ND (0.05)	0.2 J (0.05)	ND (0.05)	770
Tetrachloroethene (PCE)	ND (0.048)	160.0 D (1.9)	1.2 (0.048)	61.0 D (0.048)	1
Tetrahydrofuran	0.4 J (0.084)	0.6 (0.084)	1.3 (0.084)	240 (0.084)	NSE
Toluene	0.8 (0.048)	1.9 (0.048)	3.4 (0.048)	6.7 (0.048)	1,400
1,2,4-Trichlorobenzene	0.3 J (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	5
1,1,1-Trichloroethane	ND (0.022)	0.3 J (0.022)	ND (0.022)	0.1 J (0.022)	190
Trichloroethene (TCE)	ND (0.041)	0.25 (0.041)	ND (0.041)	0.18 (0.041)	0.5
Trichlorofluoromethane (Freon 11)	0.3 J (0.028)	0.3 J (0.028)	0.3 J (0.028)	0.3 J (0.028)	130
1,1,2-Trichlorotrifluoroethane	ND (0.026)	0.1 J (0.026)	0.1 J (0.026)	0.1 J (0.026)	NSE
1,2,4-Trimethylbenzene	ND (0.024)	0.2 J (0.024)	0.3 J (0.024)	0.3 J (0.024)	NSE
1,3,5-Trimehtylbenzene	ND (0.035)	ND (0.035)	0.1 J (0.035)	ND (0.035)	NSE
2,2,4-Trimethylpentane	ND (0.025)	0.1 J (0.025)	0.1 J (0.025)	0.1 J (0.025)	NSE
Xylenes (TOTAL)	0.4 J (0.067)	0.8 J (0.067)	0.11 J (0.067)	1.0 J (0.067)	25

Notes:

Sample results are shown only for those compounds detected.

ND - Analyte Not Detected .

D - Indicates a dilution

ppbv - parts per billion by volume

NSE - No Standard Established

J - Indicates an estimation

Bold - Result exceeds Residential Values.

Table 10 - Summary of Sub Slab Vapor Sampling Results

Former Whitlock Cordage Facility
Jersey City, Hudson County, New Jersey

Sample ID Location Date Sampled Matrix	I10-SSV		I4-SSV		I6-SSV		I14-SSV		I26-SSV		I2-SSV		I20-SSV		H-SSV		F-SSV		A-SSV		Soil Gas Screening Levels Residential Values ppbv
	Bldg L-10	Air	Bldg L-4	Air	Bldg L-6	Air	Bldg L-14	Air	Bldg L-26	Air	Bldg L-2	Air	Bldg L-20	Air	Bldg H	Air	Bldg F	Air	Bldg A	Air	
Units (Method Detection Limit)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv (MDL)	ppbv								
Volatile Organic Compounds via Method TO-15																					
Acetone (2-propanone)	120 B (0.810)	140 B (0.810)	110 B (0.810)	58 B (0.810)	87 B (0.810)	38 B (0.810)	130 B (0.810)	64 B (0.810)	93 B (0.810)	100 B (0.810)	69,000										
Carbon Disulfide	1.9 J (0.150)	ND (0.150)	1.4 J (0.150)	2.2 J (0.150)	ND (0.150)	ND (0.150)	2.4 J (0.150)	1.2 J (0.150)	1.1 J (0.150)	ND (0.150)	12,000										
tert-Butyl alcohol	ND (0.790)	1.2 J (0.790)	ND (0.790)	ND (0.790)	ND (0.790)	ND (0.790)	1,100														
Methyl tert-Butyl Ether (MTBE)	1.3 J (0.170)	ND (0.170)	ND (0.170)	ND (0.170)	ND (0.170)	ND (0.170)	ND (0.170)	ND (0.170)	ND (0.170)	ND (0.170)	22										
Benzene	2.7 J (0.440)	ND (0.440)	ND (0.440)	ND (0.440)	ND (0.440)	ND (0.440)	ND (0.440)	ND (0.440)	ND (0.440)	ND (0.440)	5										
2-Butanone (Methyl ethyl ketone)	9.0 B (1.0)	4.1 J B (1.0)	8.1 B (1.0)	4.1 J (1.0)	20 B (1.0)	38 (1.0)	38 (1.0)	28 (1.0)	35 (1.0)	24 (1.0)	87,000										
2,2,4-Trimethylpentane	ND (0.250)	13 (0.250)	ND (0.250)	ND (0.250)	NSE																
Chloroform	ND (0.310)	1.2 J (0.310)	ND (0.310)	ND (0.310)	4.2 J (0.310)	ND (0.310)	5														
Chloromethane (Methyl Chloride)	ND (0.250)	1.6 J (0.250)	2,300																		
Dichlorodifluoromethane (Freon 12)	ND (0.170)	1.6 J (0.170)	1.1 J (0.170)	5.1 (0.170)	1.3 J (0.170)	2.6 J (0.170)	1.6 J (0.170)	8.0 (0.170)	1.0 J (0.170)	1.0 J (0.170)	1,800										
Heptane	ND (0.240)	3.5 J (0.240)	1.0 J (0.240)	NSE																	
Cyclohexane	ND (0.120)	1.0 J (0.120)	90,000																		
Vinyl Chloride	ND (0.240)	1.1 J (0.240)	ND (0.240)	ND (0.240)	ND (0.240)	ND (0.240)	5														
Methylene chloride (dichloromethane)	4.6 J (0.150)	2.7 J (0.150)	ND (0.150)	1.9 J (0.150)	4.1 J (0.150)	2.4 J (0.150)	1.7 J (0.150)	2.2 J (0.150)	2.5 J (0.150)	3.1 J (0.150)	55										
cis-1,2-Dichloroethene	5.3 (0.350)	ND (0.350)	ND (0.350)	1.1 J (0.350)	1.9 J (0.350)	25 (0.350)	ND (0.350)	ND (0.350)	1.3 J (0.350)	1.4 J (0.350)	920										
Tetrachloroethene (PCE)	ND (0.480)	8.4 (0.480)	1.4 J (0.480)	1.4 J (0.480)	2.3 J (0.480)	24 (0.480)	ND (0.480)	1.0 J (0.480)	2100 E (0.480)	3.0 J (0.480)	5										
Tetrahydrofuran	ND (0.840)	ND (0.840)	ND (0.840)	ND (0.840)	11 (0.840)	ND (0.840)	28 (0.840)	24 (0.840)	50 (0.840)	28 (0.840)	NSE										
trans-1,2-Dichloroethene	ND (0.310)	2.4 J (0.310)	ND (0.310)	920																	
Toluene	3.3 J	3.3 J (480)	2.9 J (480)	2.0 J (480)	2.5 J (480)	1.1 J (480)	12 (480)	3.2 J (480)	5.9 (480)	4.3 J (480)	68,000										
1,1,1-Trichloroethane	ND (0.220)	2.4 J (0.220)	ND (0.220)	9,400																	
Trichloroethene (TCE)	1.6 (0.410)	ND (0.410)	1.7 (0.410)	ND (0.410)	1.5 (0.410)	4.8 (0.410)	ND (0.410)	2.7 (0.410)	12 (0.410)	ND (0.410)	5										
Trichlorofluoromethane (Freon 11)	ND (0.280)	1.1 J (0.280)	2.0 J (0.280)	13 (0.280)	5.2 (0.280)	2.7 J (0.280)	ND (0.280)	ND (0.280)	ND (0.280)	ND (0.280)	6,500										
Xylenes (TOTAL)	1.1 J (0.430)	ND (0.430)	1.6 J (0.430)	1.8 J (0.430)	2.6 J (0.430)	ND (0.430)	ND (0.430)	ND (0.430)	2.3 J (0.430)	1.6 J (0.430)	1,300										

Notes:

Sample results are shown only for those compounds detected.

ND - Analyte Not Detected.

D - Indicates a dilution

ppbv - parts per billion by volume

B-Compound Detected in Lab Blank

Reference: Table 1, NJDEP Master Table Generic Vapor Intrusion Screening Levels, May 2006

NSE - No Standard Established

J - Indicates an estimation

Bold - Result exceeds Residential Values.

Table 11 - Summary of Soil Gas Sampling Results

Former Whitlock Cordage Facility
Jersey City, Hudson County, New Jersey

Sample ID Date Sampled Matrix	SV-1 4/24/2008 Air		SV-2 4/24/2008 Air		SV-3 4/24/2008 Air		SV-4 4/24/2008 Air		Soil Gas Screening Levels Residential Values ppbv	
	ppbv (MDL)		ppbv (MDL)		ppbv (MDL)		ppbv (MDL)			
Volatiles Organic Compounds via Method TO-15										
Acetone (2-propanone)	74 B (0.810)	1600 EB (0.810)	340 EB (0.810)	70 EB (0.320)					69,000	
Carbon Disulfide	ND	5.9 (0.150)	2.8 J (0.150)	0.72 J (0.061)					12,000	
tert-Butyl alcohol	2.4 J (0.790)	44 (0.790)	11 (0.790)	1.2 J (0.320)					1,100	
Benzene	ND	6.5 (0.440)	2.6 (0.440)	1.2 J (0.180)					5	
2-Butanone (Methyl ethyl ketone)	62 B (1.0)	140 B (1.0)	110 B (1.0)	60 EB (0.400)					87,000	
2,2,4-Trimethylpentane	ND	0.40 J (0.250)	ND	ND					NSE	
1,3,5-Trimethylbenzene	1.3 J (0.350)	ND	ND	1.0 J (0.140)					NSE	
1,2,4-Trimethylbenzene	2.7 J (0.240)	3.8 J (0.240)	ND	2.0 J (0.095)					NSE	
Hexane	5.2 (0.260)	3.9 J (0.260)	30 (0.260)	1.6 J (0.100)					NSE	
Chloroform	ND	ND	ND	1.0 J (0.120)					5	
Chloromethane (Methyl Chloride)	2.0 J (0.250)	15 (0.250)	3.0 J (0.250)	ND					2,300	
1,3-Dichlorobenzene	ND	2.1 J (0.170)	ND	0.56 J (0.067)					550	
Carbon Tetrachloride	ND	ND	ND	0.24 (0.067)					5	
Dichlorodifluoromethane (Freon 12)	0.70 J (0.170)	1.5 J (0.170)	ND	1.5 J (0.067)					1,800	
Heptane	ND	2.3 J (0.240)	1.7 J (0.240)	0.76 J (0.095)					NSE	
4-Methyl-2-Pentanone	ND	1.4 J (0.500)	ND	0.64 J (0.200)					38,000	
Ethyl benzene	ND	2.2 J (0.180)	ND	ND					12,000	
Cyclohexane	ND	ND	4.5 J (0.120)	0.60 J (0.048)					90,000	
Vinyl Chloride	ND	1.5 (0.240)	ND	ND					5	
Methylene chloride (dichloromethane)	4.1 J (0.150)	4.0 J (0.120)	1.5 J (0.150)	35 (0.061)					55	
cis-1,2-Dichloroethene	ND	18 (0.350)	1.4 J (0.350)	ND					920	
Tetrachloroethene (PCE)	ND	4.1 (0.480)	1.0 (0.480)	3.5 (0.190)					5	
Tetrahydrofuran	13 (0.840)	22 (0.840)	27 (0.840)	16 (0.340)					NSE	
Toluene	5.7 (0.480)	130 (0.480)	12 (0.480)	3.3 (0.190)					68,000	
1,1,1-Trichloroethane	ND	ND	ND	0.40 J (0.087)					9,400	
Trichloroethene (TCE)	ND	3.2 (0.410)	ND	0.520 (0.160)					5	
Trichlorofluoromethane (Freon 11)	ND	3.6 J (0.280)	ND	2.7 (0.110)					6,500	
Xylenes (TOTAL)	1.2 J (0.430)	5.8 J (0.430)	1.8 J (0.430)	1.36 (0.170)					1,300	

Notes:

Sample results are shown only for those compounds detected.

ND - Analyte Not Detected .

D - Indicates a dilution

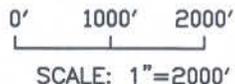
NSE - No Standard Established

J - Indicates an estimation

Bold - Result exceeds Residential Values.



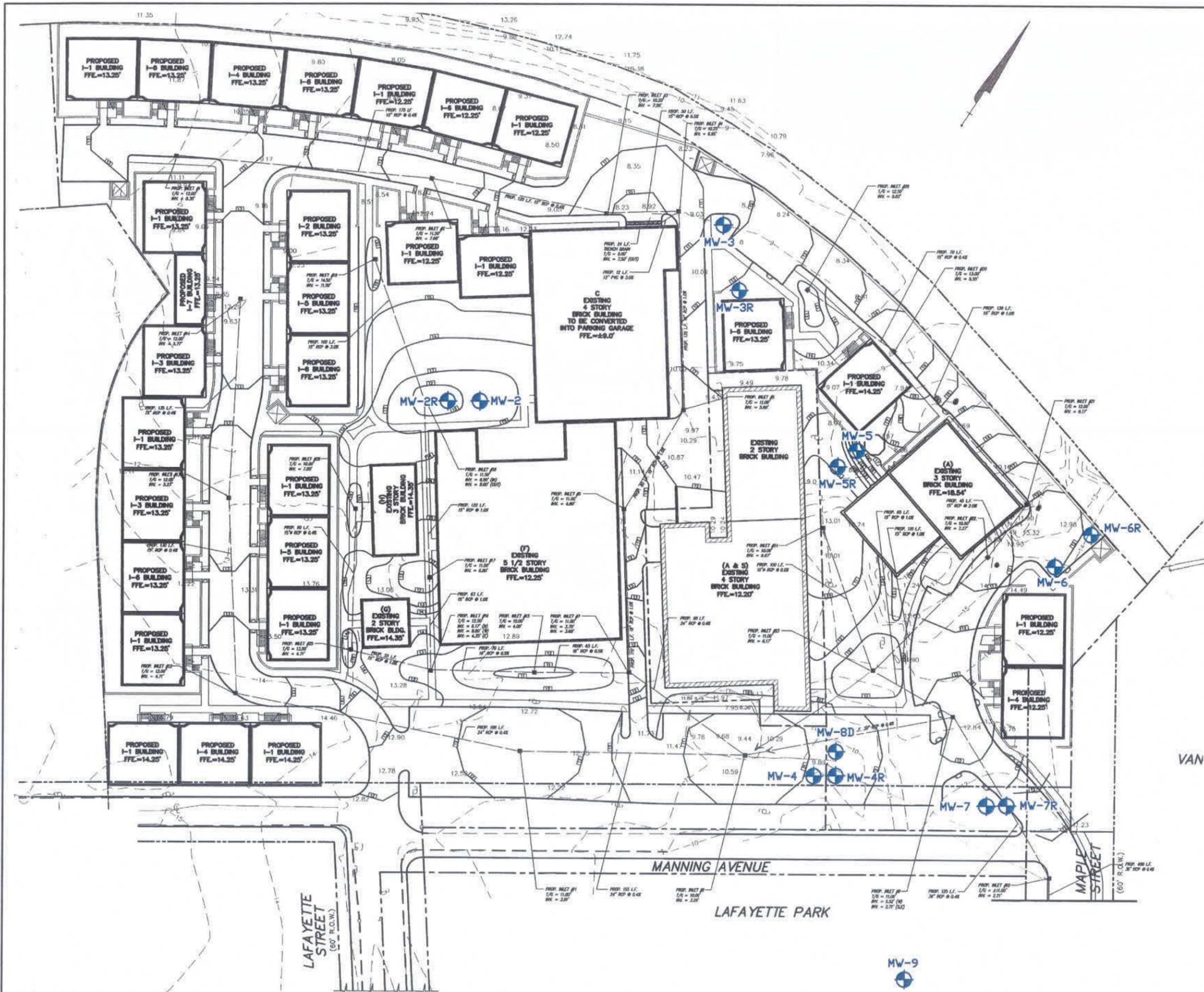
LATITUDE: 40 DEGREES 42 MINUTES 53.92 SECONDS
 LONGITUDE: 74 DEGREES 03 MINUTES 51.48 SECONDS
 SCALE: 1" = 24,000
 PHOTO REVISED: 1981



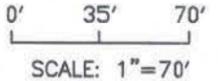
BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 1 - SITE LOCATION MAP
 U.S.G.S. TOPOGRAPHIC JERSEY CITY, NJ QUAD
 FORMER WHITLOCK CORDAGE FACILITY
 160 LAFAYETTE STREET
 JERSEY CITY, HUDSON COUNTY, NEW JERSEY

DATE: 5/13/11	JOB NO.: 03MD035	SCALE: 1" = 2000'
---------------	------------------	-------------------



NOTE:
 REFERENCE DRAWING BY:
 MEH CONSULTING ENGINEERING, INC.
 WORK ORDER 03-023, SHEET Y-4
 DATED: 6/2/2003



LEGEND
 - MONITORING WELL LOCATION
 MW-1

BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

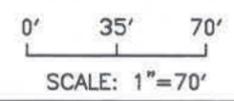
FIGURE 2
 SITE FEATURES MAP
 FORMER WHITLOCK CORDAGE FACILITY
 BLOCK 2057, LOT 28
 JERSEY CITY, HUDSON COUNTY, NEW JERSEY

DATE: 5/13/11 JOB NO.: 03MD035 SCALE: 1" = 70'



LEGEND

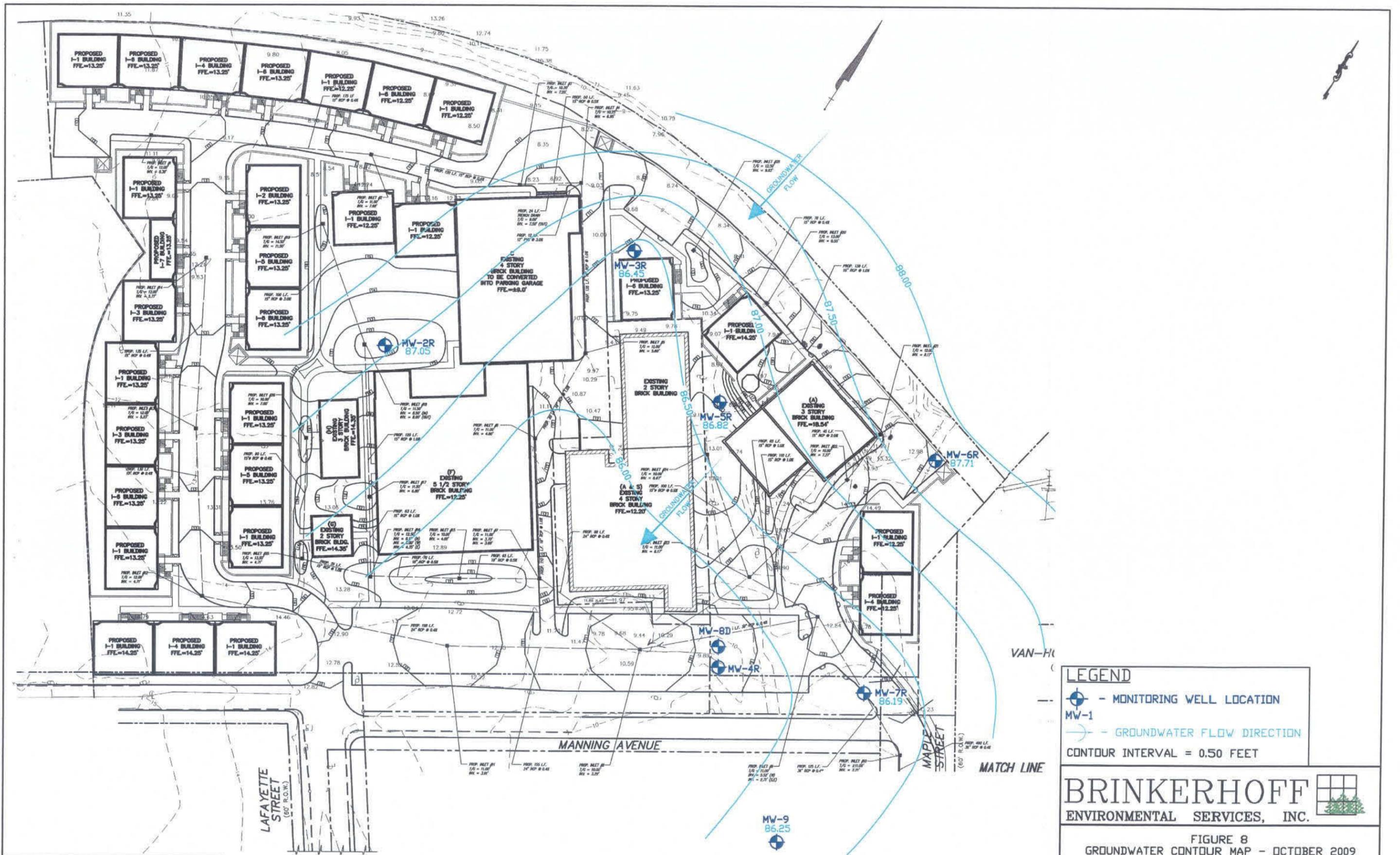
-  - MONITORING WELL LOCATION
- MW-1
-  - SOIL VAPOR SAMPLE LOCATION
- SV-1
-  - SUB-SLAB VAPOR SAMPLE LOCATION
- A-SSV
-  - INDOOR AIR QUALITY SAMPLE LOCATION
- IAQ-1 BACKGROUND



BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

FIGURE 10
 VAPOR INTRUSION SAMPLE LOCATION MAP
 FORMER WHITLOCK CORDAGE FACILITY
 BLOCK 2057, LOT 28
 JERSEY CITY, HUDSON COUNTY, NEW JERSEY

DATE: 5/13/11	JOB NO.: 03MD035	SCALE: 1" = 70'
---------------	------------------	-----------------



NOTE:
 REFERENCE DRAWING BY:
 MEH CONSULTING ENGINEERING, INC.
 WORK ORDER 03-023, SHEET Y-4
 DATED: 6/2/2003

NOTE:
 MW-8D NOT USED IN THIS CONTOUR MAP

LEGEND

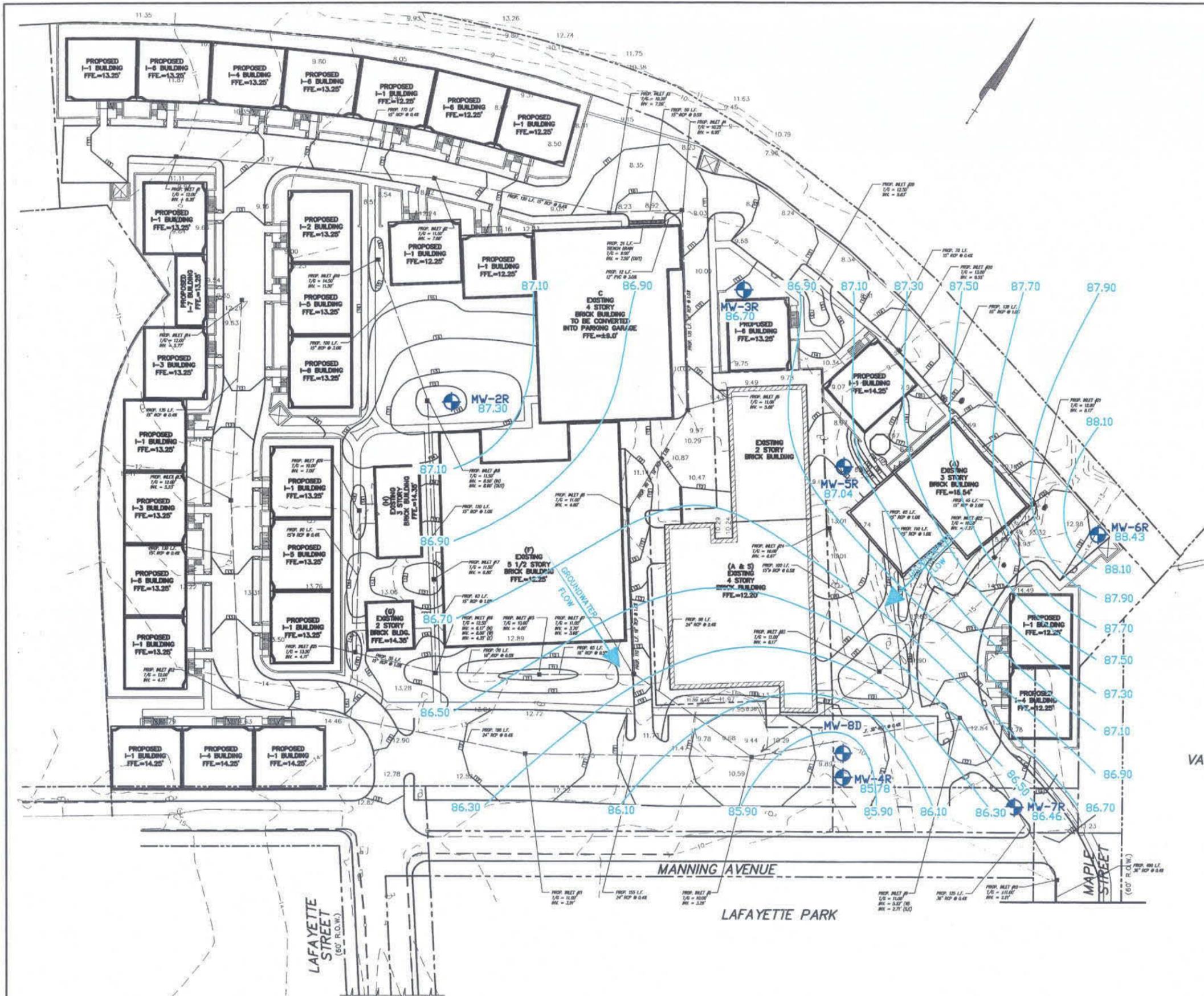
- MONITORING WELL LOCATION
- MW-1
- GROUNDWATER FLOW DIRECTION
- CONTOUR INTERVAL = 0.50 FEET

BRINKERHOFF
 ENVIRONMENTAL SERVICES, INC.

FIGURE 8
 GROUNDWATER CONTOUR MAP - OCTOBER 2009
 FORMER WHITLOCK CORDAGE FACILITY
 BLOCK 2057, LOT 28
 JERSEY CITY, HUDSON COUNTY, NEW JERSEY

0' 35' 70'
 SCALE: 1"=70'

DATE: 5/13/11 JOB NO.: 03MD035 SCALE: 1" = 70'



LEGEND

- MONITORING WELL LOCATION
- MW-1
- GROUNDWATER FLOW DIRECTION
- CONTOUR INTERVAL = 0.20 FEET

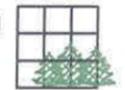
BRINKERHOFF 
 ENVIRONMENTAL SERVICES, INC.

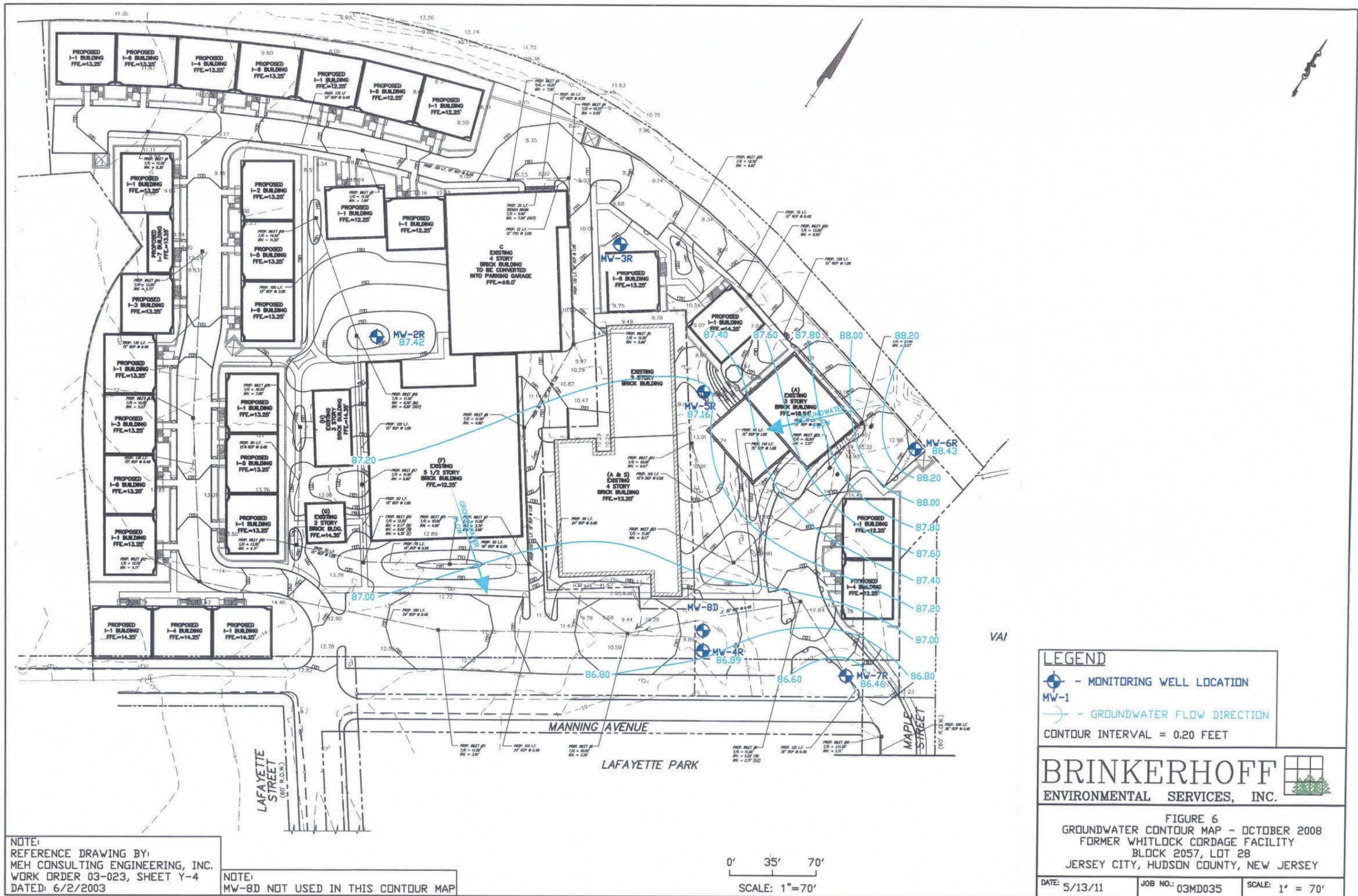
FIGURE 7
 GROUNDWATER CONTOUR MAP - NOVEMBER 2008
 FORMER WHITLOCK CORDAGE FACILITY
 BLOCK 2057, LOT 28
 JERSEY CITY, HUDSON COUNTY, NEW JERSEY

NOTE:
 REFERENCE DRAWING BY:
 MEH CONSULTING ENGINEERING, INC.
 WORK ORDER 03-023, SHEET Y-4
 DATED: 6/2/2003

NOTE:
 MW-8D NOT USED IN THIS CONTOUR MAP

0' 35' 70'
 SCALE: 1"=70'

DATE: 5/13/11 JOB NO.: 03MD035 SCALE: 1" = 70'



NOTE:
 REFERENCE DRAWING BY:
 MEH CONSULTING ENGINEERING, INC.
 WORK ORDER 03-023, SHEET Y-4
 DATED: 6/2/2003

NOTE:
 MW-8D NOT USED IN THIS CONTOUR MAP

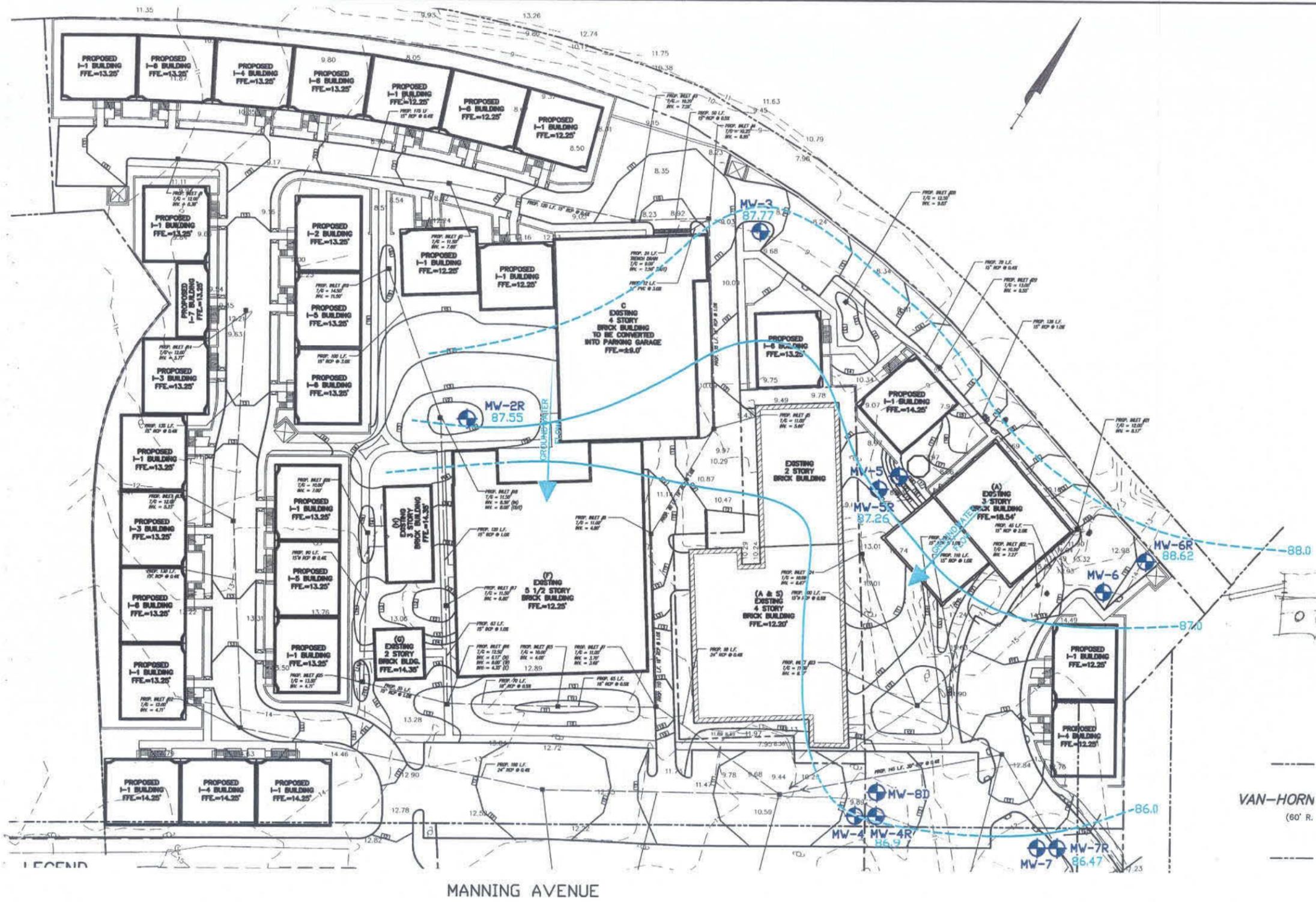
LEGEND
 - MONITORING WELL LOCATION
 MW-1
 - GROUNDWATER FLOW DIRECTION
 CONTOUR INTERVAL = 0.20 FEET

BRINKERHOFF
 ENVIRONMENTAL SERVICES, INC.

FIGURE 6
 GROUNDWATER CONTOUR MAP - OCTOBER 2008
 FORMER WHITLOCK CORDAGE FACILITY
 BLOCK 2057, LOT 28
 JERSEY CITY, HUDSON COUNTY, NEW JERSEY

DATE: 5/13/11 JOB NO.: 03MD035 SCALE: 1" = 70'

0' 35' 70'
 SCALE: 1" = 70'



LEGEND

- MONITORING WELL LOCATION
 MW-1
 - GROUNDWATER FLOW DIRECTION
 CONTOUR INTERVAL = 1.0 FEET

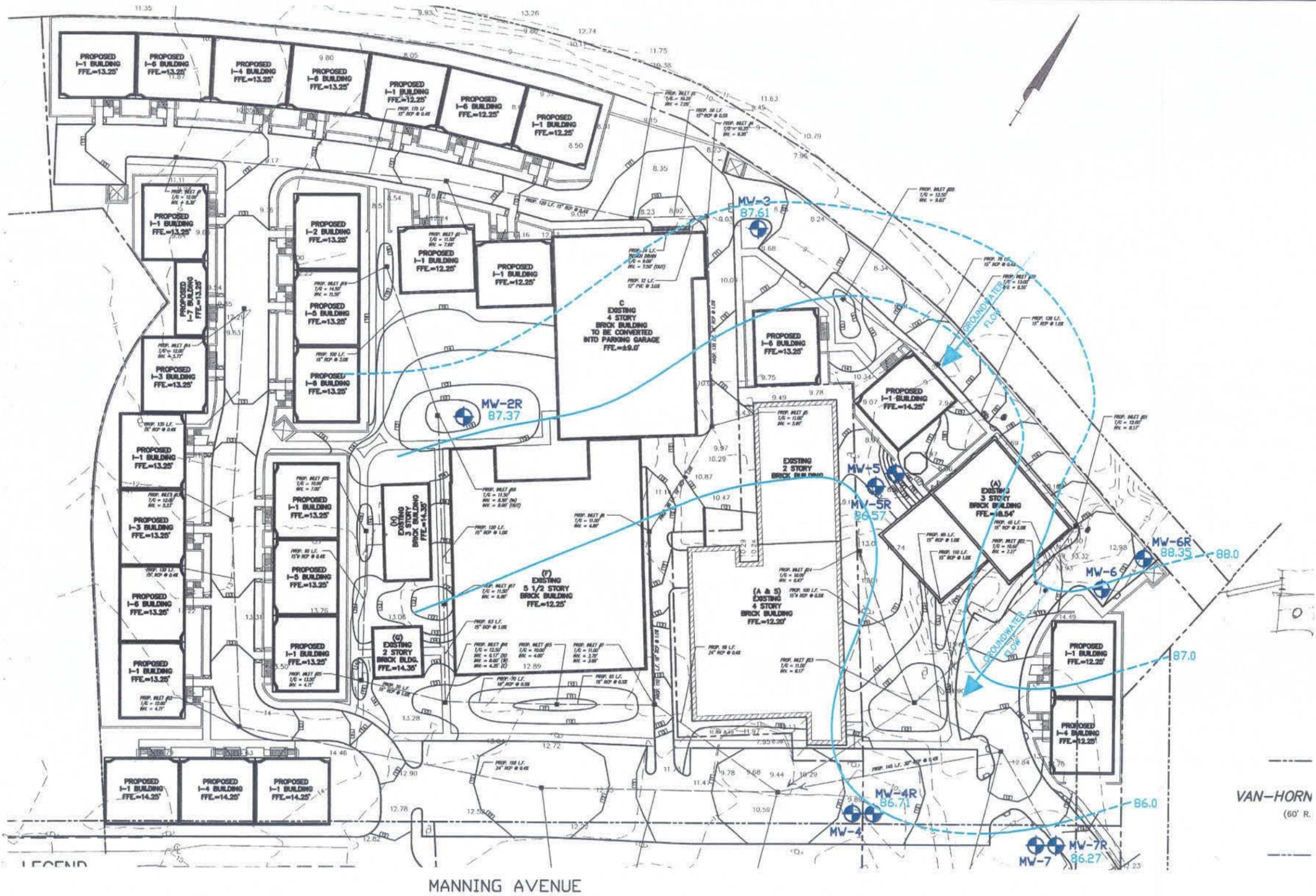
NOTE:
 REFERENCE DRAWING BY:
 MEH CONSULTING ENGINEERING, INC.
 WORK ORDER 03-023, SHEET Y-4
 DATED: 6/2/2003

0' 35' 70'
 SCALE: 1" = 70'

BRINKERHOFF
 ENVIRONMENTAL SERVICES, INC.

FIGURE 5
 GROUNDWATER CONTOUR MAP - JUNE 2008
 FORMER WHITLOCK CORDAGE FACILITY
 BLOCK 2057, LOT 28
 JERSEY CITY, HUDSON COUNTY, NEW JERSEY

DATE: 5/13/11 JOB NO.: 03MD035 SCALE: 1" = 70'



LEGEND

- MONITORING WELL LOCATION
 MW-1
 - GROUNDWATER FLOW DIRECTION
 CONTOUR INTERVAL = 1.0 FEET

NOTE:
 REFERENCE DRAWING BY:
 MEH CONSULTING ENGINEERING, INC.
 WORK ORDER 03-023, SHEET Y-4
 DATED: 6/2/2003

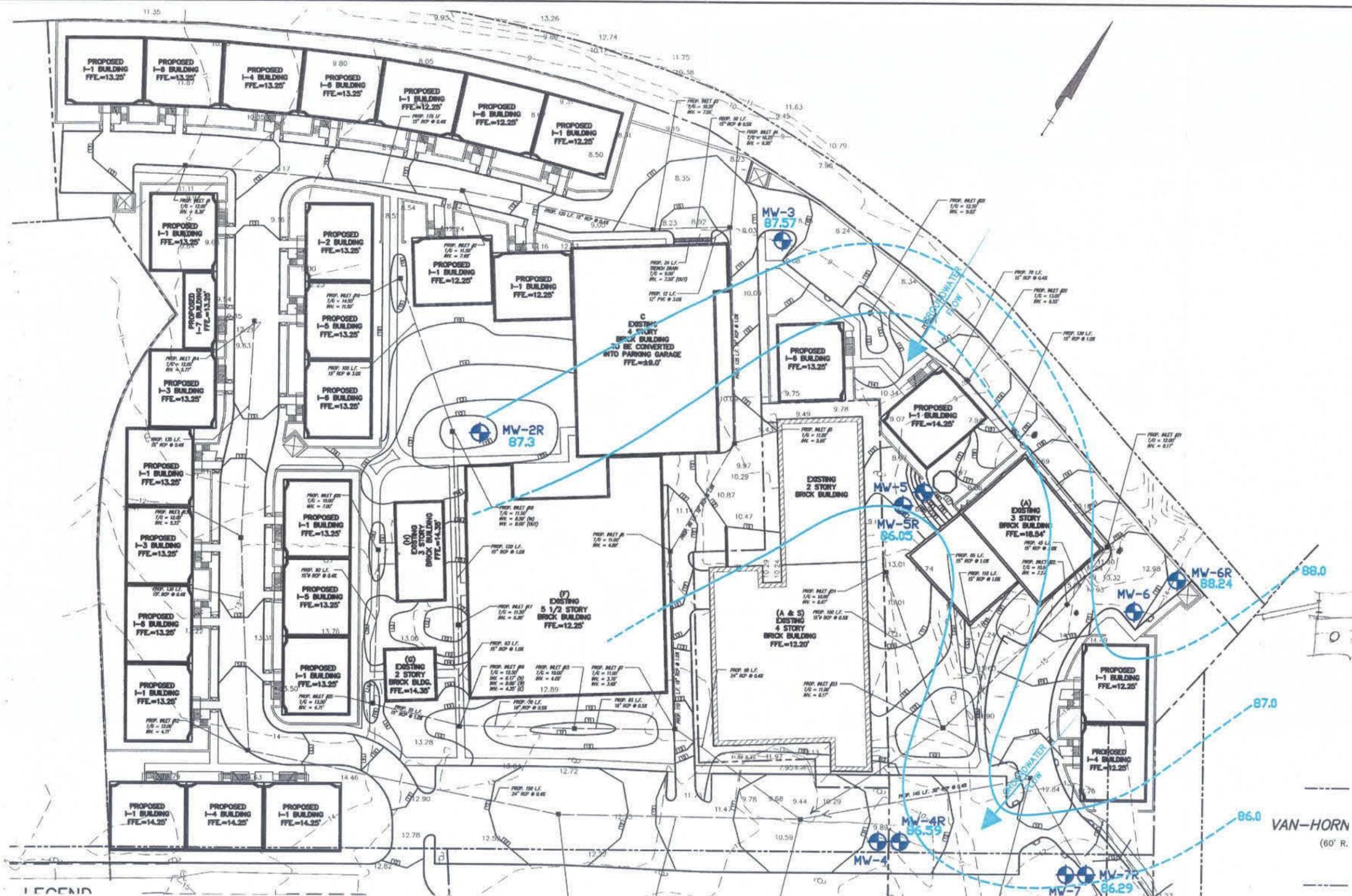
0' 35' 70'
 SCALE: 1"=70'

BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.

FIGURE 4
 GROUNDWATER CONTOUR MAP - MAY 2008
 FORMER WHITLOCK CORDAGE FACILITY
 BLOCK 2057, LOT 28
 JERSEY CITY, HUDSON COUNTY, NEW JERSEY

DATE: 5/11/11 JOB NO.: 03MD035 SCALE: 1" = 70'



LEGEND

- MONITORING WELL LOCATION
 MW-1
 - GROUNDWATER FLOW DIRECTION
 CONTOUR INTERVAL = 1.0 FEET

NOTE:
 REFERENCE DRAWING BY:
 MEH CONSULTING ENGINEERING, INC.
 WORK ORDER 03-023, SHEET Y-4
 DATED: 6/2/2003

0' 35' 70'
 SCALE: 1"=70'

BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.

FIGURE 3
 GROUNDWATER CONTOUR MAP - APRIL 2008
 FORMER WHITLOCK CORDAGE FACILITY
 BLOCK 2057, LOT 28
 JERSEY CITY, HUDSON COUNTY, NEW JERSEY

DATE: 5/11/11 JOB NO.: 03MD035 SCALE: 1" = 70'

MONITORING WELL RECORD

OWNER IDENTIFICATION WHITLOCK MILLS, LP

Address 6851 OAK HALL LANE

City Columbia State Maryland Zip Code 21044

WELL LOCATION - If not the same as owner please give address

Owner's Well No. MW-4R

County Hudson Municipality Jersey City Lot No. 1 Block No. 2057

Address 160 LAFAYETTE STREET

WELL USE Monitoring

DATE WELL STARTED 4/4/08

DATE WELL COMPLETED 4/4/08

WELL CONSTRUCTION

Total Depth Drilled 18 ft.

Finished Well Depth 18 ft.

Borehole Diameter:

Top 10 in.

Bottom 10 in.

Well was finished: above grade
 flush mounted

If finished above grade, casing height (stick up) above land surface 2.5 ft.

Steel protective casing installed?

Yes No

Static Water Level after drilling 10 ft.

Water Level was Measured Using tape

Well was developed for 1 hours

at _____ gpm

Method of development pump

Pump Capacity _____ gpm

Pump Type N/A

Drilling Fluid _____ Type of Rig DT bdr

Health and Safety Plan Submitted? Yes No

Level of Protection used on site (circle one) None (D) C B A

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>2</u>	<u>3</u>	<u>4</u>	<u>PVC</u>	<u>sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>0/0</u>)	<u>3</u>	<u>18</u>	<u>4</u>	<u>PVC</u>	<u>sch 40</u>
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	<u>1</u>	<u>18</u>		<u>Sand</u>	<u>100 lbs</u>
Grout	<u>0</u>	<u>1</u>		<u>Neat Cement Bentonite</u>	<u>100 lbs</u> <u>10 lbs</u>

Grouting Method tremie

Drilling Method hollow stem auger

GEOLOGIC LOG

Note each depth where water was encountered in consolidated formations

0-8 - Fill
8'-18 brown sand

**AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)**

NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____

OR

LATITUDE: _____ ° _____ " LONGITUDE: _____ ° _____ "

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company SUMMIT DRILLING CO INC

Well Driller (Print) Robert Kimley

Driller's Signature Robert Kimley

Registration No. JD 1506 Date 4/2/08

MONITORING WELL RECORD

OWNER IDENTIFICATION WHITLOCK MILLS, LP

Address 6851 OAK HALL LANE

City Columbia State Maryland Zip Code 21044

WELL LOCATION - If not the same as owner please give address

Owner's Well No. 100-7R

County Hudson Municipality Jersey City Lot No. 1 Block No. 2057

Address 160 LAFAYETTE STREET

WELL USE Monitoring

DATE WELL STARTED 3/13/08

DATE WELL COMPLETED 3/15/08

WELL CONSTRUCTION

Total Depth Drilled 18 ft.

Finished Well Depth 18 ft.

Borehole Diameter:

Top 10 in.

Bottom 10 in.

Well was finished: Above grade
 flush mounted

If finished above grade, casing height (stick up) above land surface 2 ft.

Steel protective casing installed?

Yes No

Static Water Level after drilling 6 ft.

Water Level was Measured Using tape

Well was developed for 1 hours

at 1 gpm

Method of development pump

Pump Capacity gpm

Pump Type N/A

Drilling Fluid Type of Rig B/O

Health and Safety Plan Submitted? Yes No

Level of Protection used on site (circle one) None D C B A

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company SUMMIT DRILLING CO INC

Well Driller (Print) Robert Kunkel

Driller's Signature Robert Kunkel

Registration No. 101506 Date 4/12/08

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	7.1	3	4	PVC	Sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used <u>.010</u>)	3	18	4	PVC	Sch 40
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack	1	18		Sand	1000 lbs
Grout	0	1		Neat Cement Bentonite	158 lbs 10 lbs

Grouting Method Lemie

Drilling Method hollow stem auger

GEOLOGIC LOG	
Note each depth where water was encountered in consolidated formations	
0-18	FM sand
	some silt
	TR gravel

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)	
NJ STATE PLANE COORDINATE IN US SURVEY FEET	
NORTHING: _____	EASTING: _____
OR	
LATITUDE: _____ ° _____ ' _____ "	LONGITUDE: _____ ° _____ ' _____ "

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NJ

2/20/08
11/20/08
9/10

Mail To:

MONITORING WELL PERMIT

Permit No. _____

NJDEP
BUREAU OF WATER SYSTEMS
AND WELL PERMITTING
PO BOX 426
TRENTON, NJ 08625-0426

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #: 26.23.347

Owner White Health Mills LP
Address 6851 Old Mill Rd
Columbia NJ 21044

Driller Summit Drilling Co., Inc.
Address Chimney Rock Road, Building 9W
Bound Brook, NJ 08805

Name of Facility White Health Mills LP
Address 160 Lafayette Street
Trenton NJ 07097

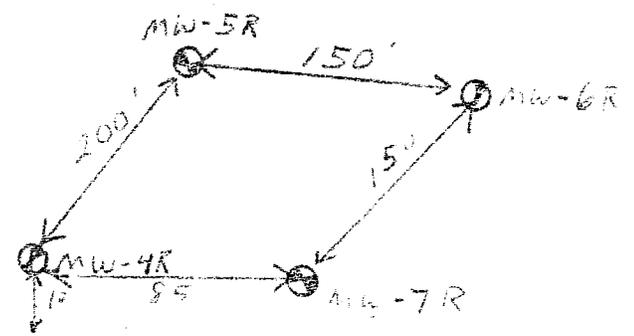
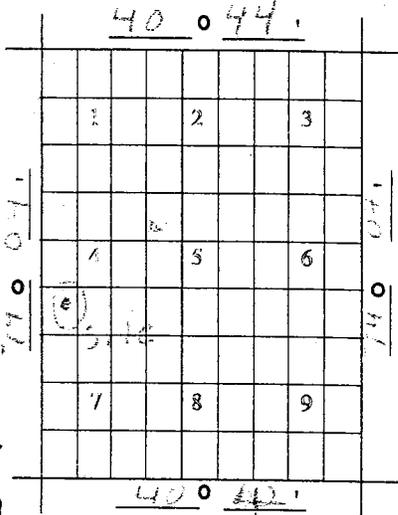
Diameter of Well(s)	4	Inches	Proposed Depth of Well(s)	25	Feet
# of Wells Applied for (max. 10)	4		Will pumping equipment be utilized?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Type of Well (see reverse)	Monitoring		If Yes, give pump capacity		cumulative GPM

LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
1	2057	Trenton	Medley

State Atlas Map No. 26

Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



Lafayette Ave
PROPOSED WELL LOCATION - (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____
OR
LATITUDE: _____ LONGITUDE: _____

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- RCRA Site
- Spill Site
- Underground Storage Tank Site
- ISRA Site
- Operational Ground Water Permit Site
- CERCLA (Superfund) Site
- Pretreatment and Residuals Site
- Water and Hazardous Waste Enforcement Case
- Water Supply Aquifer Test Observation Well
- Other (explain) _____

CASE I.D. Number _____

This Space for Approval Stamp

WELL PERMIT APPROVED
N.J. D.E.P.

MAR 13 2008

BUREAU OF WATER SYSTEMS
& WELL PERMITTING

FOR D.E.P. USE Issuance of this permit is subject to the conditions attached. (see next page) For monitoring purposes only

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS PERTAINING TO THIS PERMIT.
In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 03/10/08 Signature of Driller Mitchell... Registration No. 31517
Signature of Property Owner Tom...

K F 2 T

Professional Land Surveyors

104 Newbury Road
Howell, New Jersey 07731
(Tel./Fax) 732- 901- 1149
(Cell) 908-692-7853

Ref. No.- (03MD035WHITLOCK)

GROUND WATER MONITORING WELL CERTIFICATION

FORM B - LOCATION CERTIFICATION

NAME OF PERMIT-TEE: WHITLOCK MILLS, LP

NAME OF FACILITY: WHITLOCK MILLS, LP

LOCATION: 160 LAFAYETTE STREET, LOT 18 BLOCK 2057, HUDSON
COUNTY, JERSEY CITY, NEW JERSEY,

LAND SURVEYORS CERTIFICATION:

NJDEP CASE NUMBER: 00-04-07-0055-38 ID # 2600086897

LATITUDE: North 40° 42' 54.07"

LONGITUDE: West 074° 03' 47.84"

N.J.S.P.C.S. (NAD '83) U.S. SURVEY FEET N 685678, E 613170

ELEVATION TOP OF CASING: 94.53' (SITE BENCH MARK ELEVATION ASSUMED 100.00 ON
HYDRANT TOP NUT AT ENTRANCE TO SITE FROM LAFAYETTE STREET.)

GROUND ELEVATION: 94.89' NOTE: MW IS A FLUSH MOUNT UP TYPE.

WELL NUMBER: MW # 4R

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Kenneth P. Frank

Professional Land Surveyors Name (please print / type)

NJPLS # 36727

Professional Land Surveyors License #

Kenneth P. Frank

Professional Land Surveyors Signature

Seal Date 4-24-08

K F 2 T

Professional Land Surveyors

104 Newbury Road

Howell, New Jersey 07731

(Tel./Fax) 732-901-1149

(Cell) 908-692-7853

Ref. No.- (03MD035WHITLOCK)

GROUND WATER MONITORING WELL CERTIFICATION

FORM B - LOCATION CERTIFICATION

NAME OF PERMIT-TEE: WHITLOCK MILLS, LP

NAME OF FACILITY: WHITLOCK MILLS, LP

LOCATION: 160 LAFAYETTE STREET, LOT 18 BLOCK 2057, HUDSON
COUNTY, JERSEY CITY, NEW JERSEY,

LAND SURVEYORS CERTIFICATION:

NJDEP CASE NUMBER: 00-04-07-0055-38 ID # 2600086898

LATITUDE: North 40° 42' 55.76"

LONGITUDE: West 074° 03' 49.74"

N.J.S.P.C.S. (NAD '83) U.S. SURVEY FEET N 685838, E 613022

ELEVATION TOP OF CASING: 98.15' (SITE BENCH MARK ELEVATION ASSUMED 100.00 ON
HYDRANT TOP NUT AT ENTRANCE TO SITE FROM LAFAYETTE STREET.)

GROUND ELEVATION: 97.0' NOTE: MW IS A STICK UP TYPE WELL.

WELL NUMBER: MW # 5R

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Kenneth P. Frank

Professional Land Surveyors Name (please print / type)

NJPLS # 36727

Professional Land Surveyors License #

Kenneth P. Frank

Professional Land Surveyors Signature

Seal Date 4-24-08

K F 2 T

Professional Land Surveyors

104 Newbury Road

Howell, New Jersey 07731

(Tel./Fax) 732- 901- 1149

(Cell) 908-692-7853

Ref. No.- (03MD035WHITLOCK)

GROUND WATER MONITORING WELL CERTIFICATION

FORM B - LOCATION CERTIFICATION

NAME OF PERMIT-TEE: WHITLOCK MILLS, LP

NAME OF FACILITY: WHITLOCK MILLS, LP

LOCATION: 160 LAFAYETTE STREET, LOT 18 BLOCK 2057, HUDSON
COUNTY, JERSEY CITY, NEW JERSEY,

LAND SURVEYORS CERTIFICATION:

NJDEP CASE NUMBER: 00-04-07-0055-38 ID # 2600086899

LATITUDE: North 40° 42' 56.54"

LONGITUDE: West 074° 03' 47.66"

N.J.S.P.C.S. (NAD '83) U.S. SURVEY FEET N 685928, E 613190

ELEVATION TOP OF CASING: 95.11' (SITE BENCH MARK ELEVATION ASSUMED 100.00 ON
HYDRANT TOP NUT AT ENTRANCE TO SITE FROM LAFAYETTE STREET.)

GROUND ELEVATION: 93.1' NOTE: MW IS A STICK UP TYPE WELL.

WELL NUMBER: MW # 6R

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Kenneth P. Frank

Professional Land Surveyors Name (please print / type)

NJPLS # 36727

Professional Land Surveyors License #

Kenneth P. Frank
Professional Land Surveyors Signature

Seal Date 4-24-08

K F 2 T

Professional Land Surveyors

104 Newbury Road
Howell, New Jersey 07731
(Tel./Fax) 732- 901- 1149
(Cell) 908-692-7853

Ref. No.- (03MD035WHITLOCK)

GROUND WATER MONITORING WELL CERTIFICATION

FORM B - LOCATION CERTIFICATION

NAME OF PERMIT-TEE: WHITLOCK MILLS, LP

NAME OF FACILITY: WHITLOCK MILLS, LP

LOCATION: 160 LAFAYETTE STREET, LOT 18 BLOCK 2057, HUDSON
COUNTY, JERSEY CITY, NEW JERSEY,

LAND SURVEYORS CERTIFICATION:

NJDEP CASE NUMBER: 00-04-07-0055-38 ID # 2600086900

LATITUDE: North 40° 42' 54.51"

LONGITUDE: West 074° 03' 46.73"

N.J.S.P.C.S. (NAD '83) U.S. SURVEY FEET N 685743, E 613259

ELEVATION TOP OF CASING: **95.78'** (SITE BENCH MARK ELEVATION ASSUMED 100.00 ON
HYDRANT TOP NUT AT ENTRANCE TO SITE FROM LAFAYETTE STREET.)

GROUND ELEVATION: 95.5' NOTE: MW IS A STICK UP TYPE WELL.

WELL NUMBER: **MW # 7R**

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Kenneth P. Frank

Professional Land Surveyors Name (please print / type)

NJPLS # 36727

Professional Land Surveyors License #

Kenneth P. Frank

Professional Land Surveyors Signature

Seal Date 4-24-08

WELL ABANDONMENT REPORT

MAIL TO: Bureau of Water Systems & Well Permitting
PO Box 426
Trenton, NJ 08625-0426

WELL PERMIT # 56-30817
of well sealed

DATE WELL SEALED 4/11/08

PROPERTY OWNER WINDFALL PARTNERSHIP

ADDRESS 10111 WINDFALL DRIVE, BOUND BROOK, NJ 08805

WELL LOCATION 10111 WINDFALL DRIVE, BOUND BROOK, NJ 08805
Street & No., Township, County

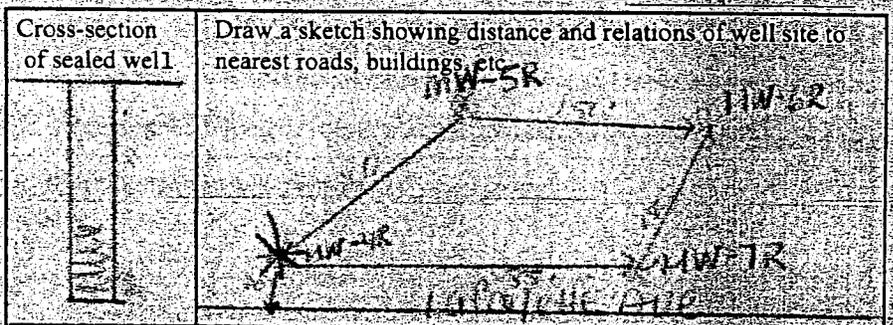
1011-4R Well No. 1 Lot No. 26554 Block No.

USE OF WELL PRIOR TO ABANDONMENT: INDUSTRIAL

REASON FOR ABANDONMENT: INDUSTRIAL USE

WAS A NEW WELL DRILLED? YES NO PERMIT # OF NEW WELL

TOTAL DEPTH OF WELL _____
DIAMETER _____
CASING LENGTH _____
SCREEN LENGTH _____
NUMBER OF CASINGS _____



MATERIAL USED TO DECOMMISSION WELL:
28 Gallons of Water
12 Lbs. of Cement
7 Lbs. of Bentonite
Lbs. of Sand/Gravel
(none if well is contaminated)

AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)
NJ STATE PLACE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: _____ LONGITUDE: _____

FORMATION: Consolidated
 Unconsolidated

To permit adequate grouting, the casing should remain in place, but ungrouted liner pipes or any other obstructions must be removed. Pressure grouting is the only accepted method.

WAS CASING LEFT IN PLACE? YES NO CASING MATERIAL _____

WERE OTHER OBSTRUCTIONS LEFT IN WELL? YES NO WHAT WERE THE OBSTRUCTIONS: _____

IF "YES", AUTHORIZATION GRANTED BY _____ ON _____
(NJDEP Official) (Date)

Was an alternative decommissioning method used and/or approval to decommission granted by a DEP official? YES NO

IF "YES", authorization granted by _____ ON _____
(NJDEP Official) (Date)

I certify that this well was sealed in accordance with N.J.A.C. 7:9D-3.5 **SUMMIT DRILLING CO., INC.** (Date) 4/29/08
99 Chimney Rock Road
Bound Brook, NJ 08805 Address Mailing Date

Performing Work (Print or Type) _____
Name of NJ Licensed Well Driller Robert J. ... Signature of NJ Licensed Well Driller Performing Work Registration # _____

DWR-020
9/05

New Jersey Department of Environmental Protection
Division of Water Supply - Bureau of Water Systems & Well Permitting

WELL ABANDONMENT REPORT

MAIL TO: Bureau of Water Systems & Well Permitting
PO Box 426
Trenton, NJ 08625-0426

WELL PERMIT # 20-5030
of well sealed

DATE WELL SEALED 7/25/08

PROPERTY OWNER WILLIAM J. ...

ADDRESS 100 ...

WELL LOCATION 100 ...

Street & No., Township, County

Well No. 100-512

Lot No. 1

Block No. 2054

USE OF WELL PRIOR TO ABANDONMENT ...

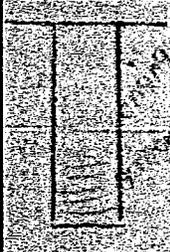
REASON FOR ABANDONMENT ...

WAS A NEW WELL DRILLED? YES NO

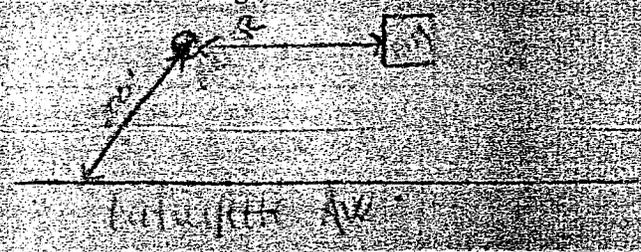
PERMIT # OF NEW WELL

TOTAL DEPTH OF WELL 13
DIAMETER 4
CASING LENGTH 13
SCREEN LENGTH 3
NUMBER OF CASINGS 1

Cross-section of sealed well



Draw a sketch showing distance and relations of well site to nearest roads, buildings, etc.



MATERIAL USED TO DECOMMISSION WELL

Gallons of Water
Lbs. of Cement
Lbs. of Bentonite
Lbs. of Sand/Gravel
(none if well is contaminated)

AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)
NJ STATE PLACE COORDINATE IN US SURVEY FEET

NORTHING: 1 EASTING: 1

LATITUDE: 1 OR LONGITUDE: 1

To permit adequate grouting, the casing should remain in place, but ungrouted liner pipes or any other obstructions must be removed. Pressure grouting is the only accepted method.

WAS CASING LEFT IN PLACE? YES NO

CASING MATERIAL PC

WERE OTHER OBSTRUCTIONS LEFT IN WELL? YES NO WHAT WERE THE OBSTRUCTIONS

IF "YES" AUTHORIZATION GRANTED BY _____ ON _____ (NJDEP Official) _____ (Date)

Was an alternative decommissioning method used and/or approval to decommission granted by a DEP official? YES NO

IF "YES" authorization granted by SUMMIT DRILLING CO., INC. (NJDEP Official) 100 Chimney Rock Road (Date) 10/25/08

I certify that this well was sealed in accordance with N.J.A.C. 7:9D-3 Brook, NJ 08805

Performing Work (Print or Type) _____ Address _____ Mailing Date _____

Name of NJ Licensed Well Driller _____ Registration # _____

Signature of NJ Licensed Well Driller Performing Work

COPIES: White - Water Allocation Yellow - Owner Pink - Health Dept. Goldenrod - Driller

WELL ABANDONMENT REPORT

MAIL TO: Bureau of Water Systems & Well Permitting
PO Box 426
Trenton, NJ 08625-0426

WELL PERMIT # 210-36841
of well sealed

DATE WELL SEALED 3/25/08

PROPERTY OWNER WINDY HILL COUNTRY CLUB

ADDRESS 151 WINDY HILL DRIVE, WINDY HILL, NJ 07093

WELL LOCATION 151 WINDY HILL DRIVE, WINDY HILL, NJ

Street & No., Township, County

Well No. 11111

Lot No. 1

Block No. 2109

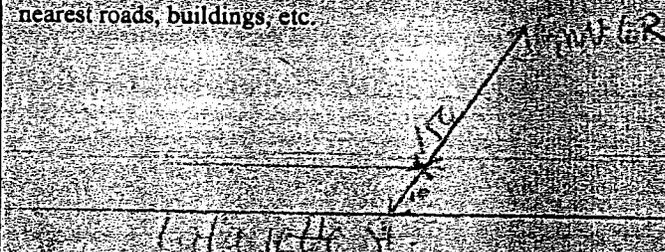
USE OF WELL PRIOR TO ABANDONMENT: IRRIGATION

REASON FOR ABANDONMENT: NO LONGER USED

WAS A NEW WELL DRILLED? YES NO

PERMIT # OF NEW WELL

TOTAL DEPTH OF WELL 13
DIAMETER 4
CASING LENGTH 8
SCREEN LENGTH 5
NUMBER OF CASINGS 1

<p>Cross-section of sealed well</p> 	<p>Draw a sketch showing distance and relations of well site to nearest roads, buildings, etc.</p> 
--	--

MATERIAL USED TO DECOMMISSION WELL

<u>1130</u>	Gallons of Water
<u>130</u>	Lbs. of Cement
<u>7</u>	Lbs. of Bentonite
<u>1</u>	Lbs. of Sand/Gravel (none if well is contaminated)

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLACE COORDINATE IN US SURVEY FEET

NORTHING _____ EASTING _____
OR
LATITUDE _____ LONGITUDE _____

FORMATION Consolidated Unconsolidated

To permit adequate grouting, the casing should remain in place, but ungrouted liner pipes or any other obstructions must be removed. Pressure grouting is the only accepted method.

WAS CASING LEFT IN PLACE? YES NO CASING MATERIAL PVC

WERE OTHER OBSTRUCTIONS LEFT IN WELL? YES NO WHAT WERE THE OBSTRUCTIONS: _____

IF "YES" AUTHORIZATION GRANTED BY _____ ON _____ (NJDEP Official) _____ (Date)

Was an alternative decommissioning method used and/or approval to decommission granted by a DEP official? YES NO

IF "YES", authorization granted by _____ ON _____ (NJDEP Official) _____ (Date)

I certify that this well was sealed in accordance with N.J.A.C. 7-9D-9.1 et seq.

Performing Work (Print or Type) Robert Powell Address Summit Drilling Co., Inc. 9W Chimney Rock Road Bound Brook, NJ 08805

Name of NJ Licensed Well Driller _____ Mailing Date _____
Signature of NJ Licensed Well Driller Performing Work _____ Registration # _____

WELL ABANDONMENT REPORT

MAIL TO: Bureau of Water Systems & Well Permitting
PO Box 426
Trenton, NJ 08625-0426

WELL PERMIT # 287-30160
of well sealed

DATE WELL SEALED 2/27/05

PROPERTY OWNER WINDY HILLS, LP

ADDRESS 1057 WINDY HILLS LANE, BORDENTOWN, NJ 08801

WELL LOCATION 1057 WINDY HILLS LANE, BORDENTOWN, NJ

Street & No., Township, County

Well No. 1057

Lot No. 1

Block No. 2007

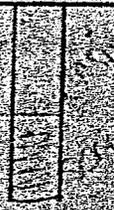
USE OF WELL PRIOR TO ABANDONMENT: Domestic

REASON FOR ABANDONMENT: Installation of new well

WAS A NEW WELL DRILLED? YES NO

PERMIT # OF NEW WELL

TOTAL DEPTH OF WELL 18
DIAMETER 4
CASING LENGTH 15
SCREEN LENGTH 3
NUMBER OF CASINGS 1

Cross-section of sealed well 	Draw a sketch showing distance and relations of well site to nearest roads, buildings, etc. 
	MATERIAL USED TO DECOMMISSION WELL: Gallons of Water <u>132</u> Lbs. of Cement <u>1</u> Lbs. of Bentonite <u>1</u> Lbs. of Sand/Gravel <u>1</u> (none if well is contaminated)

AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)
NJ STATE PLACE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____
OR
LATITUDE: _____ LONGITUDE: _____

To permit adequate grouting, the casing should remain in place, but ungrouted liner pipes or any other obstructions must be removed. Pressure grouting is the only accepted method.

WAS CASING LEFT IN PLACE? YES NO CASING MATERIAL PVC

WERE OTHER OBSTRUCTIONS LEFT IN WELL? YES NO WHAT WERE THE OBSTRUCTIONS

IF "YES" AUTHORIZATION GRANTED BY _____ ON _____ (NJDEP Official) (Date)

Was an alternative decommissioning method used and/or approval to decommission granted by a DEP official? YES NO

IF "YES" authorization granted by _____ ON _____ (NJDEP Official) (Date)

I certify that this well was sealed in accordance with N.J.A.C. 7:9D-3.4 by Summit Drilling Co., Inc. (Date) 2/27/05

Performing Work (Print or Type) Robert J. K... Chimney Rock Road Bound Brook, NJ 08805 Address 1057 Windy Hills Lane Mailing Date 2/27/05
Name of NJ Licensed Well Driller _____ Signature of NJ Licensed Well Driller Performing Work _____ Registration # _____

DWR-020
2/08

New Jersey Department of Environmental Protection
Division of Water Supply - Bureau of Water Systems & Well Permitting

WELL DECOMMISSIONING REPORT

MAIL TO: Bureau of Water Systems & Well Permitting
PO Box 426
Trenton, NJ 08625-0426

WELL PERMIT # 2600086897
of well sealed

DATE WELL DECOMMISSIONED 3/24/11

PROPERTY OWNER Whitlock Mills, LP

ADDRESS 6851 Oak Hall Lane Columbia Maryland 21044

WELL LOCATION 160 Lafayette Street Jersey City, Hudson
Street & No., Township, County

MW 4R 1 2057
Well No. Lot No. Block No.

USE OF WELL PRIOR TO DECOMMISSIONING: Monitoring

REASON FOR DECOMMISSIONING: Not In use

WAS A NEW WELL DRILLED? YES NO

PERMIT # OF NEW WELL _____

TOTAL DEPTH OF WELL 18'
DIAMETER 4"
CASING LENGTH 3'
SCREEN LENGTH 15'
NUMBER OF CASINGS 1

<p>Cross-section of sealed well</p>	<p>Draw a sketch showing distance and relations of well site to nearest roads, buildings, etc.</p>
AS-BUILT WELL LOCATION	
<p>(NAD 83 HORIZONTAL DATUM) NJ STATE PLACE COORDINATE IN US SURVEY FEET</p> <p>NORTHING: _____ EASTING: _____</p>	
<p>METHOD</p> <input type="checkbox"/> SURVEY <input type="checkbox"/> DIGITAL IMAGE <input checked="" type="checkbox"/> GPS	

MATERIAL USED TO DECOMMISSION WELL:

50 Gallons of Water
300 Lbs. of Cement
5 Lbs. of Bentonite
Lbs. of Sand/Gravel
(none if well is contaminated)

FORMATION: Consolidated
 Unconsolidated

To permit adequate grouting, the casing should remain in place, but ungrouted liner pipes or any other obstructions must be removed. Pressure grouting is the only accepted method.

WAS CASING LEFT IN PLACE? YES NO CASING MATERIAL: PVC

WERE OTHER OBSTRUCTIONS LEFT IN WELL? YES NO WHAT WERE THE OBSTRUCTIONS: NA

IF "YES", AUTHORIZATION GRANTED BY NA ON NA
(NJDEP Official) (Date)

Was an alternative decommissioning method used and/or approval to decommission granted by a DEP official? YES NO

IF "YES", authorization granted by NA ON NA
(NJDEP Official) (Date)

I certify that this well was sealed in accordance with N.J.A.C. 7:9D-3 et seq.

Garrett Heimbold 904 National Ave. Easton NJ 08731 3/28/11
Performing Work (Print or Type) Address Mailing Date
Name of NJ Licensed Well Driller Signature of NJ Licensed Well Driller Performing Work Registration #
Garrett Heimbold MW 213970

COPIES: White - Water Allocation Yellow - Owner Pink - Health Dept. Goldenrod - Driller

DWR-020
2/08

New Jersey Department of Environmental Protection
Division of Water Supply - Bureau of Water Systems & Well Permitting

WELL DECOMMISSIONING REPORT

MAIL TO: Bureau of Water Systems & Well Permitting
PO Box 426
Trenton, NJ 08625-0426

WELL PERMIT # 2600087396
of well sealed

DATE WELL DECOMMISSIONED MW 8D

PROPERTY OWNER WHITLOCK Mills LP

ADDRESS 6851 OAK Hall Lane Columbia Maryland 21044

WELL LOCATION 160 Lafayette St Jersey City Hudson
Street & No., Township, County

MW 8D
Well No.

1
Lot No.

2057
Block No.

USE OF WELL PRIOR TO DECOMMISSIONING: Monitoring

REASON FOR DECOMMISSIONING: not in use

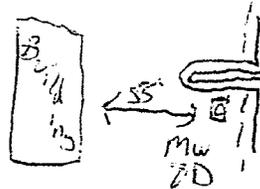
WAS A NEW WELL DRILLED? YES NO

PERMIT # OF NEW WELL _____

TOTAL DEPTH OF WELL 39'
DIAMETER 4"
CASING LENGTH 29'
SCREEN LENGTH 10'
NUMBER OF CASINGS 1

Cross-section of sealed well

Draw a sketch showing distance and relations of well site to nearest roads, buildings, etc.



MATERIAL USED TO DECOMMISSION WELL:

50 Gallons of Water
80 Lbs. of Cement
0 Lbs. of Bentonite
0 Lbs. of Sand/Gravel
(none if well is contaminated)

AS-BUILT WELL LOCATION

FORMATION: Consolidated
 Unconsolidated

(NAD 83 HORIZONTAL DATUM)
NJ STATE PLACE COORDINATE IN US SURVEY FEET

NORTHING: _____ EASTING: _____

METHOD
 SURVEY
 DIGITAL IMAGE
 GPS

To permit adequate grouting, the casing should remain in place, but ungrouted liner pipes or any other obstructions must be removed. Pressure grouting is the only accepted method.

WAS CASING LEFT IN PLACE? YES NO CASING MATERIAL: PVC

WERE OTHER OBSTRUCTIONS LEFT IN WELL? YES NO WHAT WERE THE OBSTRUCTIONS: NA

IF "YES", AUTHORIZATION GRANTED BY NA ON NA
(NJDEP Official) (Date)

Was an alternative-decommissioning method used and/or approval to decommission granted by a DEP official? YES NO

IF "YES", authorization granted by NA ON NA
(NJDEP Official) (Date)

I certify that this well was sealed in accordance with N.J.A.C. 7:9D-3 et seq.

Garrett Heimbald
Performing Work (Print or Type)
Name of NJ Licensed Well Driller

404 Holland Ave Forked River NJ 08751
Address
Garrett Heimbald
Signature of NJ Licensed Well Driller Performing Work

3/28/11
Mailing Date
MW 213970
Registration #

COPIES: White - Water Allocation Yellow - Owner Pink - Health Dept. Goldenrod - Driller

MONITORING WELL RECORD

OWNER IDENTIFICATION WHITLOCK MILLS LP

Address 6851 OAK HALL LANE

City Columbia State Maryland

Zip Code 21044

WELL LOCATION - If not the same as owner please give address

Owner's Well No. MW 8D

County Hudson Municipality Jersey City

Lot No. 1 Block No. 2057

Address 160 LAFAYETTE ST.

WELL USE Monitoring

DATE WELL STARTED 5/22/08

DATE WELL COMPLETED 5/22/08

WELL CONSTRUCTION

Total Depth Drilled 39 ft.

Finished Well Depth 39 ft.

Borehole Diameter:

Top 10 in.

Bottom 10 in.

Well was finished: above grade

flush mounted

Well finished above grade, casing height (tick up) above land surface _____ ft.

Steel protective casing installed?

Yes No

Static Water Level after drilling 10 ft.

Water Level was Measured Using WLI

Well was developed for 1/2 hours

at 2 gpm

Method of development PUMP

Pump Capacity _____ gpm

Pump Type NA

Drilling Fluid _____ Type of Rig Blot

Health and Safety Plan Submitted? Yes No

Level of Protection used on site (circle one) None (D) C B A

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company SUMMIT DRILLING CO INC

Well Driller (Print) Jeff Segreaves

Driller's Signature Jeff Segreaves

Registration No. 510991 Date 6/5/08

Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0	29	4	PVC	sch 40
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole of Screen (No. Used <u>.010</u>)	29	39	4	PVC	sch 40
Blank Casings (No. Used _____)					
Tail Piece					
Gravel Pack	27	39		#1 sand	
Grout	0	27		Neat Cement Bentonite	37 lbs 20 lbs

Grouting Method tremie

Drilling Method HOLLOW STEM AUGER

GEOLOGIC LOG
Note each depth where water was encountered in consolidated formations
<u>0-15' Fill cobbles gravel</u>
<u>Red CNT sands</u>
<u>15'-30' LIME Red sands</u>
<u>gravel, cobbles</u>
<u>30-39' same</u>

AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM)
NJ STATE PLANE COORDINATE IN US SURVEY FEET
NORTHING: _____ EASTING: _____
OR
LATITUDE: _____ LONGITUDE: _____

K F 2 T

Professional Land Surveyors

P.O. BOX 521

COLTS NECK, NJ, 07722

(Cell) 908-692-7853

Ref. No.- (03MD035WHITLOCK)/(08037KF2T)

GROUND WATER MONITORING WELL CERTIFICATION

FORM B - LOCATION CERTIFICATION

NAME OF PERMIT-TEE: WHITLOCK MILLS, LP

NAME OF FACILITY: WHITLOCK MILLS, LP

LOCATION: 160 LAFAYETTE STREET, LOT 18 BLOCK 2057, HUDSON CO
UNTY, JERSEY CITY, NEW JERSEY,

LAND SURVEYORS CERTIFICATION:

NJDEP CASE NUMBER: 00-04-07-0055-38 ID # N/A

LATITUDE: North 40° 42' 53.74"

LONGITUDE: West 074° 03' 46.06"

N.J.S.P.C.S. (NAD '83) U.S. SURVEY FEET N 685645, E 613315

ELEVATION TOP OF CASING: **91.78'** (SITE BENCH MARK ELEVATION ASSUMED 100.00 ON HYD
RANT TOP NUT AT ENTRANCE TO SITE FROM LAFAYETTE STREET.)

GROUND ELEVATION: 92.0' NOTE: MW IS A FLUSH MOUNT UP TYPE.

WELL NUMBER: **MW # 9**

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Kenneth P. Frank

Professional Land Surveyors Name (please print / type)

NJPLS # 36727

Professional Land Surveyors License #

Professional Land Surveyors Signature

Seal

Date 10-22-09

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	4-24-08	BES Job #	03MD035
Sample ID#:	MW-2R	Sampled By:	Josh Kuhlwein
Monitoring Well Number:	MW-2R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 60° F	Monitoring Well Permit #:	2600079569
PID Readings (ppm):	1.7		

Readings Prior to Well Purging

Time:	12:17 PM	Product Thickness (ft.):	0.0
pH:	8.77	Depth, top of Inner Casing to Water (ft.):	10.59
Dissolved Oxygen (mg/l):	0.25	Total Depth, top of Inner Casing (ft.):	16.79
Temp. (°C):	14.0	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.02	Volume of Water in Well (gal.):	4.03

Readings Subsequent to Purging

pH:	8.02	Pump Start Time:	12:15 PM
Dissolved Oxygen (mg/l):	0.27	Pump End Time:	1:10 PM
Temp. (°C):	13.8	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.07	Volume Purged (gal.):	~12.09
Depth, top of Inner Casing to Water (ft.):	12.7	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 10.62

Reading Subsequent to Sampling

pH:	7.95	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.25	Sample Start Time:	1:38 PM
Temp. (°C):	13.3	Sample End Time:	1:40 PM
Conductivity (µS/cm):	1.07		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	4-24-08	BES Job #	03MD035
Sample ID#:	MW-3	Sampled By:	Josh Kuhlwein
Monitoring Well Number:	MW-3	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 60° F	Monitoring Well Permit #:	2600070193
PID Readings (ppm):	6.2		

Readings Prior to Well Purging

Time:	11:58 AM	Product Thickness (ft.):	0.0
pH:	8.58	Depth, top of Inner Casing to Water (ft.):	8.88
Dissolved Oxygen (mg/l):	0.38	Total Depth, top of Inner Casing (ft.):	9.3
Temp. (°C):	13.8	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.07	Volume of Water in Well (gal.):	0.273

Readings Subsequent to Purging

pH:	8.53	Pump Start Time:	11:57 AM
Dissolved Oxygen (mg/l):	0.31	Pump End Time:	12:03 PM
Temp. (°C):	13.7	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.06	Volume Purged (gal.):	~0.819
Depth, top of Inner Casing to Water (ft.):	Dry	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 8.89

Reading Subsequent to Sampling

pH:	8.76	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.21	Sample Start Time:	12:23 PM
Temp. (°C):	13.2	Sample End Time:	12:25 PM
Conductivity (µS/cm):	1.01		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	4-24-08	BES Job #	03MD035
Sample ID#:	MW-4R	Sampled By:	Josh Kuhlwein
Monitoring Well Number:	MW-4R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 60° F	Monitoring Well Permit #:	2600086897
PID Readings (ppm):	2.0		

Readings Prior to Well Purging

Time:	10:09 AM	Product Thickness (ft.):	0.0
pH:	8.22	Depth, top of Inner Casing to Water (ft.):	7.94
Dissolved Oxygen (mg/l):	1.4	Total Depth, top of Inner Casing (ft.):	18.25
Temp. (°C):	14.0	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.08	Volume of Water in Well (gal.):	6.7

Readings Subsequent to Purging

pH:	8.64	Pump Start Time:	10:07 AM
Dissolved Oxygen (mg/l):	0.45	Pump End Time:	11:28 AM
Temp. (°C):	13.7	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.1	Volume Purged (gal.):	~20.10
Depth, top of Inner Casing to Water (ft.):	10.01	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 8.02

Reading Subsequent to Sampling

pH:	8.19	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.39	Sample Start Time:	12:08 PM
Temp. (°C):	13.4	Sample End Time:	12:10 PM
Conductivity (µS/cm):	1.06		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	4-24-08	BES Job #	03MD035
Sample ID#:	MW-5R	Sampled By:	Josh Kuhlwein
Monitoring Well Number:	MW-5R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 60° F	Monitoring Well Permit #:	2600086898
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	10:03 AM	Product Thickness (ft.):	0.0
pH:	8.13	Depth, top of Inner Casing to Water (ft.):	12.1
Dissolved Oxygen (mg/l):	0.22	Total Depth, top of Inner Casing (ft.):	20.1
Temp. (°C):	13.2	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.08	Volume of Water in Well (gal.):	5.2

Readings Subsequent to Purging

pH:	8.61	Pump Start Time:	10:01 AM
Dissolved Oxygen (mg/l):	0.42	Pump End Time:	11:12 AM
Temp. (°C):	13.6	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.03	Volume Purged (gal.):	~15.6
Depth, top of Inner Casing to Water (ft.):	14.5	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 12.3

Reading Subsequent to Sampling

pH:	8.44	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.32	Sample Start Time:	11:42 AM
Temp. (°C):	13.2	Sample End Time:	11:44 AM
Conductivity (µS/cm):	1.02		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	4-24-08	BES Job #	03MD035
Sample ID#:	MW-6R	Sampled By:	Josh Kuhlwein
Monitoring Well Number:	MW-6R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 60° F	Monitoring Well Permit #:	2600086899
PID Readings (ppm):	22.8		

Readings Prior to Well Purging

Time:	10:00 AM	Product Thickness (ft.):	0.0
pH:	8.67	Depth, top of Inner Casing to Water (ft.):	6.87
Dissolved Oxygen (mg/l):	0.38	Total Depth, top of Inner Casing (ft.):	20.29
Temp. (°C):	13.6	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.04	Volume of Water in Well (gal.):	8.72

Readings Subsequent to Purging

pH:	8.56	Pump Start Time:	9:58 AM
Dissolved Oxygen (mg/l):	0.32	Pump End Time:	11:52 AM
Temp. (°C):	13.7	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.05	Volume Purged (gal.):	~26.16
Depth, top of Inner Casing to Water (ft.):	8.9	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 6.95

Reading Subsequent to Sampling

pH:	8.58	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.33	Sample Start Time:	12:15 PM
Temp. (°C):	13.8	Sample End Time:	12:17 PM
Conductivity (µS/cm):	1.05		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	4-24-08	BES Job #	03MD035
Sample ID#:	MW-7R	Sampled By:	Josh Kuhlwein
Monitoring Well Number:	MW-7R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 60° F	Monitoring Well Permit #:	2600086900
PID Readings (ppm):	29.7		

Readings Prior to Well Purging

Time:	11:40 AM	Product Thickness (ft.):	0.0
pH:	8.18	Depth, top of Inner Casing to Water (ft.):	9.49
Dissolved Oxygen (mg/l):	0.25	Total Depth, top of Inner Casing (ft.):	20.22
Temp. (°C):	13.5	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.02	Volume of Water in Well (gal.):	6.97

Readings Subsequent to Purging

pH:	8.75	Pump Start Time:	11:38 AM
Dissolved Oxygen (mg/l):	0.38	Pump End Time:	1:00 PM
Temp. (°C):	13.7	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.07	Volume Purged (gal.):	~20.92
Depth, top of Inner Casing to Water (ft.):	11.4	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 9.61

Reading Subsequent to Sampling

pH:	8.68	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.26	Sample Start Time:	1:22 PM
Temp. (°C):	13.3	Sample End Time:	1:24 PM
Conductivity (µS/cm):	1.03		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	5-28-08	BES Job #	03MD035
Sample ID#:	MW-3	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-3	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 65° F	Monitoring Well Permit #:	2600070193
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	11:37 AM	Product Thickness (ft.):	0.0
pH:	6.55	Depth, top of Inner Casing to Water (ft.):	8.84
Dissolved Oxygen (mg/l):	0.51	Total Depth, top of Inner Casing (ft.):	9.3
Temp. (°C):	13.5	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.01	Volume of Water in Well (gal.):	0.299

Readings Subsequent to Purging

pH:	6.76	Pump Start Time:	11:35 AM
Dissolved Oxygen (mg/l):	0.63	Pump End Time:	11:40 AM
Temp. (°C):	13.8	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.05	Volume Purged (gal.):	~0.897
Depth, top of Inner Casing to Water (ft.):	Dry	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 8.87

Reading Subsequent to Sampling

pH:	6.32	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.42	Sample Start Time:	1:40 PM
Temp. (°C):	13.1	Sample End Time:	1:42 PM
Conductivity (µS/cm):	1.03		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	5-28-08	BES Job #	03MD035
Sample ID#:	MW-4R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-4R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 65° F	Monitoring Well Permit #:	2600086897
PID Readings (ppm):	1.1		

Readings Prior to Well Purging

Time:	10:02 AM	Product Thickness (ft.):	0.0
pH:	6.01	Depth, top of Inner Casing to Water (ft.):	7.82
Dissolved Oxygen (mg/l):	0.18	Total Depth, top of Inner Casing (ft.):	18.25
Temp. (°C):	13.2	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.21	Volume of Water in Well (gal.):	6.78

Readings Subsequent to Purging

pH:	6.33	Pump Start Time:	10:00 AM
Dissolved Oxygen (mg/l):	0.12	Pump End Time:	10:40 AM
Temp. (°C):	13.9	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.19	Volume Purged (gal.):	~20.30
Depth, top of Inner Casing to Water (ft.):	9.82	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 7.91

Reading Subsequent to Sampling

pH:	6.12	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.11	Sample Start Time:	12:02 PM
Temp. (°C):	13.2	Sample End Time:	12:05 PM
Conductivity (µS/cm):	1.17		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	5-28-08	BES Job #	03MD035
Sample ID#:	MW-5R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-5R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 65° F	Monitoring Well Permit #:	2600086898
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	11:31 AM	Product Thickness (ft.):	0.0
pH:	6.88	Depth, top of Inner Casing to Water (ft.):	11.58
Dissolved Oxygen (mg/l):	0.52	Total Depth, top of Inner Casing (ft.):	20.1
Temp. (°C):	11.5	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.27	Volume of Water in Well (gal.):	5.54

Readings Subsequent to Purging

pH:	6.91	Pump Start Time:	11:30 AM
Dissolved Oxygen (mg/l):	0.89	Pump End Time:	12:10 PM
Temp. (°C):	11.8	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.17	Volume Purged (gal.):	~16.6
Depth, top of Inner Casing to Water (ft.):	13.45	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 12.3

Reading Subsequent to Sampling

pH:	6.75	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.61	Sample Start Time:	1:30 PM
Temp. (°C):	11.4	Sample End Time:	1:32 PM
Conductivity (µS/cm):	1.03		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	5-28-08	BES Job #	03MD035
Sample ID#:	MW-6R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-6R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 65° F	Monitoring Well Permit #:	2600086899
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	12:32 PM	Product Thickness (ft.):	0.0
pH:	6.58	Depth, top of Inner Casing to Water (ft.):	6.76
Dissolved Oxygen (mg/l):	0.5	Total Depth, top of Inner Casing (ft.):	20.29
Temp. (°C):	13.5	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	0.523	Volume of Water in Well (gal.):	8.79

Readings Subsequent to Purging

pH:	6.67	Pump Start Time:	12:30 PM
Dissolved Oxygen (mg/l):	0.07	Pump End Time:	1:20 PM
Temp. (°C):	13.5	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	0.57	Volume Purged (gal.):	~26.38
Depth, top of Inner Casing to Water (ft.):	8.8	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 6.9

Reading Subsequent to Sampling

pH:	6.41	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.55	Sample Start Time:	2:30 PM
Temp. (°C):	13.6	Sample End Time:	2:32 PM
Conductivity (µS/cm):	0.491		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	5-28-08	BES Job #	03MD035
Sample ID#:	MW-7R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-7R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 65° F	Monitoring Well Permit #:	2600086900
PID Readings (ppm):	33.8		

Readings Prior to Well Purging

Time:	11:40 AM	Product Thickness (ft.):	0.0
pH:	6.18	Depth, top of Inner Casing to Water (ft.):	9.51
Dissolved Oxygen (mg/l):	0.12	Total Depth, top of Inner Casing (ft.):	20.22
Temp. (°C):	13.1	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.02	Volume of Water in Well (gal.):	6.96

Readings Subsequent to Purging

pH:	6.75	Pump Start Time:	12:40 PM
Dissolved Oxygen (mg/l):	0.17	Pump End Time:	1:30 PM
Temp. (°C):	13.3	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.07	Volume Purged (gal.):	~20.88
Depth, top of Inner Casing to Water (ft.):	11.47	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 9.6

Reading Subsequent to Sampling

pH:	6.68	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.13	Sample Start Time:	2:45 PM
Temp. (°C):	13.0	Sample End Time:	2:47 PM
Conductivity (µS/cm):	1.05		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	5-28-08	BES Job #	03MD035
Sample ID#:	MW-8D	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-8D	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 65° F	Monitoring Well Permit #:	2600086900
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	10:05 AM	Product Thickness (ft.):	0.0
pH:	6.05	Depth, top of Inner Casing to Water (ft.):	7.82
Dissolved Oxygen (mg/l):	0.04	Total Depth, top of Inner Casing (ft.):	38.00
Temp. (°C):	13.5	Length of Screen (ft.):	10.00
Conductivity (µS/cm):	0.791	Volume of Water in Well (gal.):	19.61

Readings Subsequent to Purging

pH:	6.18	Pump Start Time:	10:02 AM
Dissolved Oxygen (mg/l):	0.06	Pump End Time:	11:15 AM
Temp. (°C):	14.0	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	0.857	Volume Purged (gal.):	~58.85
Depth, top of Inner Casing to Water (ft.):	9.8	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 7.88

Reading Subsequent to Sampling

pH:	6.31	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.08	Sample Start Time:	12:05 PM
Temp. (°C):	13.6	Sample End Time:	12:07 PM
Conductivity (µS/cm):	0.76		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6-30-08	BES Job #	03MD035
Sample ID#:	MW-3	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-3	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Cloudy 80° F	Monitoring Well Permit #:	2600070193
PID Readings (ppm):	3.5		

Readings Prior to Well Purging

Time:	12:28 PM	Product Thickness (ft.):	0.0
pH:	8.12	Depth, top of Inner Casing to Water (ft.):	8.68
Dissolved Oxygen (mg/l):	2.15	Total Depth, top of Inner Casing (ft.):	13.31
Temp. (°C):	10.8	Length of Screen (ft.):	10.00
Conductivity (µS/cm):	0.418	Volume of Water in Well (gal.):	3.0

Readings Subsequent to Purging

pH:	7.64	Pump Start Time:	12:28 PM
Dissolved Oxygen (mg/l):	1.87	Pump End Time:	12:47 PM
Temp. (°C):	15.8	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.03	Volume Purged (gal.):	~9.02
Depth, top of Inner Casing to Water (ft.):	10.5	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 8.76

Reading Subsequent to Sampling

pH:	7.61	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	3.21	Sample Start Time:	3:00 PM
Temp. (°C):	15.9	Sample End Time:	3:02 PM
Conductivity (µS/cm):	0.97		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6-30-08	BES Job #	03MD035
Sample ID#:	MW-4R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-4R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Cloudy 80° F	Monitoring Well Permit #:	2600086897
PID Readings (ppm):	7.6		

Readings Prior to Well Purging

Time:	2:30 PM	Product Thickness (ft.):	0.0
pH:	7.04	Depth, top of Inner Casing to Water (ft.):	7.63
Dissolved Oxygen (mg/l):	1.34	Total Depth, top of Inner Casing (ft.):	18.25
Temp. (°C):	18.7	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.08	Volume of Water in Well (gal.):	6.9

Readings Subsequent to Purging

pH:	7.18	Pump Start Time:	2:30 PM
Dissolved Oxygen (mg/l):	2.18	Pump End Time:	3:20 PM
Temp. (°C):	16.9	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.63	Volume Purged (gal.):	~20.7
Depth, top of Inner Casing to Water (ft.):	9.78	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 7.33

Reading Subsequent to Sampling

pH:	7.34	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.37	Sample Start Time:	3:50 PM
Temp. (°C):	16.4	Sample End Time:	3:52 PM
Conductivity (µS/cm):	1.42		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6-30-08	BES Job #	03MD035
Sample ID#:	MW-5R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-5R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Cloudy 80° F	Monitoring Well Permit #:	2600086898
PID Readings (ppm):	4.5		

Readings Prior to Well Purging

Time:	11:30 AM	Product Thickness (ft.):	0.0
pH:	7.71	Depth, top of Inner Casing to Water (ft.):	10.89
Dissolved Oxygen (mg/l):	3.62	Total Depth, top of Inner Casing (ft.):	20.1
Temp. (°C):	14.4	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.64	Volume of Water in Well (gal.):	5.99

Readings Subsequent to Purging

pH:	7.59	Pump Start Time:	11:30 AM
Dissolved Oxygen (mg/l):	2.98	Pump End Time:	12:10 PM
Temp. (°C):	15.3	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.78	Volume Purged (gal.):	~17.96
Depth, top of Inner Casing to Water (ft.):	13.02	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 11.3

Reading Subsequent to Sampling

pH:	7.61	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.61	Sample Start Time:	2:30 PM
Temp. (°C):	16.1	Sample End Time:	2:32 PM
Conductivity (µS/cm):	1.68		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6-30-08	BES Job #	03MD035
Sample ID#:	MW-6R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-6R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Cloudy 80° F	Monitoring Well Permit #:	2600086899
PID Readings (ppm):	1.3		

Readings Prior to Well Purging

Time:	11:35 AM	Product Thickness (ft.):	0.0
pH:	7.4	Depth, top of Inner Casing to Water (ft.):	6.49
Dissolved Oxygen (mg/l):	0.8	Total Depth, top of Inner Casing (ft.):	20.29
Temp. (°C):	15.0	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	0.508	Volume of Water in Well (gal.):	8.97

Readings Subsequent to Purging

pH:	7.38	Pump Start Time:	11:35 AM
Dissolved Oxygen (mg/l):	1.67	Pump End Time:	12:32 PM
Temp. (°C):	16.3	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.12	Volume Purged (gal.):	~26.91
Depth, top of Inner Casing to Water (ft.):	8.6	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 6.53

Reading Subsequent to Sampling

pH:	7.17	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.1	Sample Start Time:	2:45PM
Temp. (°C):	16.2	Sample End Time:	2:47 PM
Conductivity (µS/cm):	1.18		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6-30-08	BES Job #	03MD035
Sample ID#:	MW-7R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-7R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Cloudy 80° F	Monitoring Well Permit #:	2600086900
PID Readings (ppm):	22.7		

Readings Prior to Well Purging

Time:	2:35 PM	Product Thickness (ft.):	0.0
pH:	7.14	Depth, top of Inner Casing to Water (ft.):	9.31
Dissolved Oxygen (mg/l):	2.83	Total Depth, top of Inner Casing (ft.):	20.22
Temp. (°C):	15.3	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.14	Volume of Water in Well (gal.):	7.09

Readings Subsequent to Purging

pH:	7.32	Pump Start Time:	2:35 PM
Dissolved Oxygen (mg/l):	1.78	Pump End Time:	3:28 PM
Temp. (°C):	16.5	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.21	Volume Purged (gal.):	~21.27
Depth, top of Inner Casing to Water (ft.):	11.45	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 9.62

Reading Subsequent to Sampling

pH:	7.37	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	1.64	Sample Start Time:	4:00 PM
Temp. (°C):	16.5	Sample End Time:	4:02 PM
Conductivity (µS/cm):	1.21		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-9-08	BES Job #	03MD035
Sample ID#:	MW-2R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-2R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 70° F	Monitoring Well Permit #:	2600079569
PID Readings (ppm):	0.1		

Readings Prior to Well Purging

Time:	9:47 PM	Product Thickness (ft.):	0.0
pH:	7.61	Depth, top of Inner Casing to Water (ft.):	10.47
Dissolved Oxygen (mg/l):	3.02	Total Depth, top of Inner Casing (ft.):	16.79
Temp. (°C):	15.9	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	0.67	Volume of Water in Well (gal.):	4.11

Readings Subsequent to Purging

pH:	7.41	Pump Start Time:	9:45 AM
Dissolved Oxygen (mg/l):	2.78	Pump End Time:	10:45 AM
Temp. (°C):	13.8	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	0.51	Volume Purged (gal.):	~12.32
Depth, top of Inner Casing to Water (ft.):	12.56	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 10.78

Reading Subsequent to Sampling

pH:	7.56	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.93	Sample Start Time:	11:50 AM
Temp. (°C):	15.8	Sample End Time:	11:55 AM
Conductivity (µS/cm):	0.62		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-7-08	BES Job #	03MD035
Sample ID#:	MW-4R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-4R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 65° F	Monitoring Well Permit #:	2600086897
PID Readings (ppm):	3.6		

Readings Prior to Well Purging

Time:	1:07 PM	Product Thickness (ft.):	0.0
pH:	7.07	Depth, top of Inner Casing to Water (ft.):	7.64
Dissolved Oxygen (mg/l):	2.42	Total Depth, top of Inner Casing (ft.):	18.25
Temp. (°C):	16.2	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.15	Volume of Water in Well (gal.):	6.89

Readings Subsequent to Purging

pH:	6.71	Pump Start Time:	1:05 PM
Dissolved Oxygen (mg/l):	1.55	Pump End Time:	1:40 PM
Temp. (°C):	15.8	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	0.761	Volume Purged (gal.):	~20.69
Depth, top of Inner Casing to Water (ft.):	9.77	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 7.81

Reading Subsequent to Sampling

pH:	7.01	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	1.86	Sample Start Time:	2:30 PM
Temp. (°C):	16.1	Sample End Time:	2:32 PM
Conductivity (µS/cm):	0.99		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-7-08	BES Job #	03MD035
Sample ID#:	MW-5R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-5R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 65° F	Monitoring Well Permit #:	2600086898
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	10:52 AM	Product Thickness (ft.):	0.0
pH:	7.58	Depth, top of Inner Casing to Water (ft.):	10.99
Dissolved Oxygen (mg/l):	4.08	Total Depth, top of Inner Casing (ft.):	20.1
Temp. (°C):	14.3	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.68	Volume of Water in Well (gal.):	5.92

Readings Subsequent to Purging

pH:	6.77	Pump Start Time:	10:50 AM
Dissolved Oxygen (mg/l):	2.91	Pump End Time:	11:50 PM
Temp. (°C):	13.9	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.33	Volume Purged (gal.):	~17.76
Depth, top of Inner Casing to Water (ft.):	12.98	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 11.2

Reading Subsequent to Sampling

pH:	7.32	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	3.7	Sample Start Time:	12:30 PM
Temp. (°C):	14.5	Sample End Time:	12:32 PM
Conductivity (µS/cm):	1.51		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-7-08	BES Job #	03MD035
Sample ID#:	MW-6R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-6R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 65° F	Monitoring Well Permit #:	2600086899
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	12:02 PM	Product Thickness (ft.):	0.0
pH:	7.63	Depth, top of Inner Casing to Water (ft.):	6.68
Dissolved Oxygen (mg/l):	2.91	Total Depth, top of Inner Casing (ft.):	20.29
Temp. (°C):	14.3	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	0.514	Volume of Water in Well (gal.):	8.85

Readings Subsequent to Purging

pH:	7.11	Pump Start Time:	12:00 PM
Dissolved Oxygen (mg/l):	1.08	Pump End Time:	12:50 PM
Temp. (°C):	14.1	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	0.44	Volume Purged (gal.):	~26.53
Depth, top of Inner Casing to Water (ft.):	8.89	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 6.74

Reading Subsequent to Sampling

pH:	7.24	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.12	Sample Start Time:	1:30PM
Temp. (°C):	14.3	Sample End Time:	1:32 PM
Conductivity (µS/cm):	0.49		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-9-08	BES Job #	03MD035
Sample ID#:	MW-7R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-7R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 70° F	Monitoring Well Permit #:	2600086900
PID Readings (ppm):	24.1		

Readings Prior to Well Purging

Time:	12:02 PM	Product Thickness (ft.):	0.0
pH:	7.82	Depth, top of Inner Casing to Water (ft.):	9.32
Dissolved Oxygen (mg/l):	4.12	Total Depth, top of Inner Casing (ft.):	20.22
Temp. (°C):	16.2	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.2	Volume of Water in Well (gal.):	7.08

Readings Subsequent to Purging

pH:	7.01	Pump Start Time:	12:00 PM
Dissolved Oxygen (mg/l):	3.76	Pump End Time:	12:45 PM
Temp. (°C):	15.7	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.09	Volume Purged (gal.):	~21.26
Depth, top of Inner Casing to Water (ft.):	11.4	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 9.6

Reading Subsequent to Sampling

pH:	7.51	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	4.03	Sample Start Time:	2:00 PM
Temp. (°C):	16.1	Sample End Time:	2:02 PM
Conductivity (µS/cm):	1.11		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-7-08	BES Job #	03MD035
Sample ID#:	MW-8D	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-8D	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Sunny 65° F	Monitoring Well Permit #:	2600086900
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	1:52 PM	Product Thickness (ft.):	0.0
pH:	7.31	Depth, top of Inner Casing to Water (ft.):	7.71
Dissolved Oxygen (mg/l):	2.75	Total Depth, top of Inner Casing (ft.):	38.00
Temp. (°C):	14.2	Length of Screen (ft.):	10.00
Conductivity (µS/cm):	0.918	Volume of Water in Well (gal.):	19.68

Readings Subsequent to Purging

pH:	6.57	Pump Start Time:	1:50 PM
Dissolved Oxygen (mg/l):	1.45	Pump End Time:	2:40 PM
Temp. (°C):	14.0	Purge Rate:	1.5 Gal/min
Conductivity (µS/cm):	0.517	Volume Purged (gal.):	~59.06
Depth, top of Inner Casing to Water (ft.):	9.88	Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 7.83

Reading Subsequent to Sampling

pH:	7.22	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	1.78	Sample Start Time:	3:00 PM
Temp. (°C):	14.2	Sample End Time:	3:02 PM
Conductivity (µS/cm):	0.77		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-22-09	BES Job #	03MD035
Sample ID#:	MW-2R	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-2R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 60° F	Monitoring Well Permit #:	2600079569
PID Readings (ppm):	5.1		

Readings Prior to Well Purging

Time:	10:17 AM	Product Thickness (ft.):	0.0
pH:	8.34	Depth, top of Inner Casing to Water (ft.):	10.84
Dissolved Oxygen (mg/l):	5.14	Total Depth, top of Inner Casing (ft.):	16.79
Temp. (°C):	16.7	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	.900	Volume of Water in Well (gal.):	3.63

Readings Subsequent to Purging

pH:	8.28	Pump Start Time:	10:16 AM
Dissolved Oxygen (mg/l):	3.81	Pump End Time:	10:40 AM
Temp. (°C):	16.7	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.03	Volume Purged (gal.):	12.0
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	8.23	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	3.87	Sample Start Time:	11:15 AM
Temp. (°C):	16.7	Sample End Time:	11:16 AM
Conductivity (µS/cm):	1.01		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-22-09	BES Job #	03MD035
Sample ID#:	MW-3R	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-3R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 60° F	Monitoring Well Permit #:	2600086897
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	10:26 AM	Product Thickness (ft.):	0.0
pH:	8.09	Depth, top of Inner Casing to Water (ft.):	10.00
Dissolved Oxygen (mg/l):	3.01	Total Depth, top of Inner Casing (ft.):	20.00
Temp. (°C):	15.4	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	.695	Volume of Water in Well (gal.):	9.15

Readings Subsequent to Purging

pH:	7.99	Pump Start Time:	10:25 AM
Dissolved Oxygen (mg/l):	3.23	Pump End Time:	11:07 AM
Temp. (°C):	15.5	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	.604	Volume Purged (gal.):	21.0
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	8.10	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	3.31	Sample Start Time:	11:30 AM
Temp. (°C):	15.5	Sample End Time:	11:31 AM
Conductivity (µS/cm):	.635		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-22-09	BES Job #	03MD035
Sample ID#:	MW-5R	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-5R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 60° F	Monitoring Well Permit #:	2600086898
PID Readings (ppm):	3.5		

Readings Prior to Well Purging

Time:	10:41 AM	Product Thickness (ft.):	0.0
pH:	8.19	Depth, top of Inner Casing to Water (ft.):	11.33
Dissolved Oxygen (mg/l):	10.63	Total Depth, top of Inner Casing (ft.):	20.1
Temp. (°C):	15.0	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	.874	Volume of Water in Well (gal.):	5.29

Readings Subsequent to Purging

pH:	8.28	Pump Start Time:	10:40 AM
Dissolved Oxygen (mg/l):	2.76	Pump End Time:	11:05 AM
Temp. (°C):	15.0	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	.860	Volume Purged (gal.):	12.50
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	8.17	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.96	Sample Start Time:	12:00 PM
Temp. (°C):	15.0	Sample End Time:	12:01 PM
Conductivity (µS/cm):	.863		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-22-09	BES Job #	03MD035
Sample ID#:	MW-6R	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-6R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 60° F	Monitoring Well Permit #:	2600086899
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	11:01 AM	Product Thickness (ft.):	0.0
pH:	8.23	Depth, top of Inner Casing to Water (ft.):	7.40
Dissolved Oxygen (mg/l):	5.54	Total Depth, top of Inner Casing (ft.):	20.29
Temp. (°C):	15.7	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	.633	Volume of Water in Well (gal.):	7.86

Readings Subsequent to Purging

pH:	8.23	Pump Start Time:	11:00 AM
Dissolved Oxygen (mg/l):	5.31	Pump End Time:	11:47 AM
Temp. (°C):	15.8	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	.620	Volume Purged (gal.):	23.50
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	8.29	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	5.27	Sample Start Time:	12:15 PM
Temp. (°C):	15.8	Sample End Time:	12:16 PM
Conductivity (µS/cm):	.617		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-22-09	BES Job #	03MD035
Sample ID#:	MW-7R	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-7R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 60° F	Monitoring Well Permit #:	2600086900
PID Readings (ppm):	14.2		

Readings Prior to Well Purging

Time:	11:56 AM	Product Thickness (ft.):	0.0
pH:	7.71	Depth, top of Inner Casing to Water (ft.):	9.59
Dissolved Oxygen (mg/l):	5.38	Total Depth, top of Inner Casing (ft.):	20.22
Temp. (°C):	16.2	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.21	Volume of Water in Well (gal.):	6.48

Readings Subsequent to Purging

pH:	7.97	Pump Start Time:	11:55 AM
Dissolved Oxygen (mg/l):	4.97	Pump End Time:	12:35 PM
Temp. (°C):	16.2	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.18	Volume Purged (gal.):	20.0
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	8.06	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	5.11	Sample Start Time:	1:20 PM
Temp. (°C):	16.2	Sample End Time:	1:21 PM
Conductivity (µS/cm):	1.07		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-22-09	BES Job #	03MD035
Sample ID#:	MW-8D	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-8D	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 60° F	Monitoring Well Permit #:	2600086900
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	12:16 PM	Product Thickness (ft.):	0.0
pH:	7.78	Depth, top of Inner Casing to Water (ft.):	8.06
Dissolved Oxygen (mg/l):	3.73	Total Depth, top of Inner Casing (ft.):	38.00
Temp. (°C):	14.5	Length of Screen (ft.):	10.00
Conductivity (µS/cm):	.858	Volume of Water in Well (gal.):	18.26

Readings Subsequent to Purging

pH:	7.90	Pump Start Time:	12:15 PM
Dissolved Oxygen (mg/l):	2.18	Pump End Time:	2:00 PM
Temp. (°C):	14.7	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	.844	Volume Purged (gal.):	52.50
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.93	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.10	Sample Start Time:	2:35 PM
Temp. (°C):	14.8	Sample End Time:	2:36 PM
Conductivity (µS/cm):	.831		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	10-22-09	BES Job #	03MD035
Sample ID#:	MW-9	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-9	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 60° F	Monitoring Well Permit #:	2600086900
PID Readings (ppm):	0.0		

Readings Prior to Well Purging

Time:	12:06 PM	Product Thickness (ft.):	0.0
pH:	7.72	Depth, top of Inner Casing to Water (ft.):	5.53
Dissolved Oxygen (mg/l):	3.85	Total Depth, top of Inner Casing (ft.):	16.90
Temp. (°C):	17.0	Length of Screen (ft.):	10.00
Conductivity (µS/cm):	.940	Volume of Water in Well (gal.):	6.94

Readings Subsequent to Purging

pH:	7.68	Pump Start Time:	12:05 PM
Dissolved Oxygen (mg/l):	3.85	Pump End Time:	12:50 PM
Temp. (°C):	17.0	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	.818	Volume Purged (gal.):	22.50
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.81	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	3.96	Sample Start Time:	1:35 PM
Temp. (°C):	16.9	Sample End Time:	1:36 PM
Conductivity (µS/cm):	.871		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6/29/10	BES Job #	03MD035
Sample ID#:	MW-2R	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-2R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 76° F	Monitoring Well Permit #:	2600079568

Readings Prior to Well Purging

Time:	1122	Product Thickness (ft.):	0.0
pH:	7.71	Depth, top of Inner Casing to Water (ft.):	9.81
Dissolved Oxygen (mg/l):	19.99	Total Depth, top of Inner Casing (ft.):	16.79
Temp. (°C):	15.0	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	.781	Volume of Water in Well (gal.):	4.54

Readings Subsequent to Purging

pH:	7.81	Pump Start Time:	1121
Dissolved Oxygen (mg/l):	19.99	Pump End Time:	1153
Temp. (°C):	14.9	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	.618	Volume Purged (gal.):	16.00
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.90	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	7.08	Sample Start Time:	1151
Temp. (°C):	14.7	Sample End Time:	1152
Conductivity (µS/cm):	.607		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6/29/10	BES Job #	03MD035
Sample ID#:	MW-3R	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-3R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 76° F	Monitoring Well Permit #:	P200800041

Readings Prior to Well Purging

Time:	1129	Product Thickness (ft.):	0.0
pH:	7.51	Depth, top of Inner Casing to Water (ft.):	9.98
Dissolved Oxygen (mg/l):	2.36	Total Depth, top of Inner Casing (ft.):	20.00
Temp. (°C):	14.3	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.33	Volume of Water in Well (gal.):	6.51

Readings Subsequent to Purging

pH:	7.48	Pump Start Time:	1038
Dissolved Oxygen (mg/l):	2.18	Pump End Time:	1128
Temp. (°C):	14.1	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.49	Volume Purged (gal.):	25.00
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.61	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.81	Sample Start Time:	1207
Temp. (°C):	14.7	Sample End Time:	1208
Conductivity (µS/cm):	1.54		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6/29/10	BES Job #	03MD035
Sample ID#:	MW-4R	Sampled By:	Melissa Kloc
Monitoring Well Number:	MW-4R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 76° F	Monitoring Well Permit #:	2600086897

Readings Prior to Well Purging

Time:	1327	Product Thickness (ft.):	0.0
pH:	7.81	Depth, top of Inner Casing to Water (ft.):	8.11
Dissolved Oxygen (mg/l):	1.79	Total Depth, top of Inner Casing (ft.):	18.25
Temp. (°C):	15.0	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	.827	Volume of Water in Well (gal.):	6.59

Readings Subsequent to Purging

pH:	7.07	Pump Start Time:	1326
Dissolved Oxygen (mg/l):	1.98	Pump End Time:	1314
Temp. (°C):	14.8	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	.711	Volume Purged (gal.):	29.00
		Purge Method:	submersible pump w/ dedicated poly tubing

Depth, top of Inner Casing to Water (ft.) prior to sampling: 7.81

Reading Subsequent to Sampling

pH:	7.23	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.07	Sample Start Time:	1343
Temp. (°C):	14.8	Sample End Time:	1344
Conductivity (µS/cm):	.723		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6/29/10	BES Job #	03MD035
Sample ID#:	MW-5R	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-5R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 76° F	Monitoring Well Permit #:	2600086898

Readings Prior to Well Purging

Time:	1113	Product Thickness (ft.):	0.0
pH:	8.17	Depth, top of Inner Casing to Water (ft.):	11.35
Dissolved Oxygen (mg/l):	1.91	Total Depth, top of Inner Casing (ft.):	20.1
Temp. (°C):	14.7	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	1.01	Volume of Water in Well (gal.):	5.69

Readings Subsequent to Purging

pH:	7.97	Pump Start Time:	1112
Dissolved Oxygen (mg/l):	2.67	Pump End Time:	1154
Temp. (°C):	14.9	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	.819	Volume Purged (gal.):	21.00
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.80	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.09	Sample Start Time:	1233
Temp. (°C):	15.1	Sample End Time:	1234
Conductivity (µS/cm):	.822		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6/29/10	BES Job #	03MD035
Sample ID#:	MW-6R	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-6R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 76° F	Monitoring Well Permit #:	2600086899

Readings Prior to Well Purging

Time:	1055	Product Thickness (ft.):	0.0
pH:	8.16	Depth, top of Inner Casing to Water (ft.):	7.04
Dissolved Oxygen (mg/l):	0.66	Total Depth, top of Inner Casing (ft.):	20.29
Temp. (°C):	15.0	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	.065	Volume of Water in Well (gal.):	8.61

Readings Subsequent to Purging

pH:	8.32	Pump Start Time:	1054
Dissolved Oxygen (mg/l):	0.78	Pump End Time:	1208
Temp. (°C):	14.8	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	.127	Volume Purged (gal.):	37.00
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	8.27	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	1.03	Sample Start Time:	1251
Temp. (°C):	15.3	Sample End Time:	1252
Conductivity (µS/cm):	.181		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6/29/10	BES Job #	03MD035
Sample ID#:	MW-7R	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-7R	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 76° F	Monitoring Well Permit #:	2600086900

Readings Prior to Well Purging

Time:	1225	Product Thickness (ft.):	0.0
pH:	8.59	Depth, top of Inner Casing to Water (ft.):	9.6
Dissolved Oxygen (mg/l):	0.83	Total Depth, top of Inner Casing (ft.):	20.22
Temp. (°C):	15.1	Length of Screen (ft.):	15.00
Conductivity (µS/cm):	.903	Volume of Water in Well (gal.):	6.90

Readings Subsequent to Purging

pH:	8.19	Pump Start Time:	1224
Dissolved Oxygen (mg/l):	0.91	Pump End Time:	1322
Temp. (°C):	15.1	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.79	Volume Purged (gal.):	29.00
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	8.29	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	0.77	Sample Start Time:	1407
Temp. (°C):	15.1	Sample End Time:	1408
Conductivity (µS/cm):	2.32		

Brinkerhoff Environmental Services, Inc.
Monitoring Well Sampling Data Form

Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6/29/10	BES Job #	03MD035
Sample ID#:	MW-8D	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-8D	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 76° F	Monitoring Well Permit #:	2600087396

Readings Prior to Well Purging

Time:	1116	Product Thickness (ft.):	0.0
pH:	7.87	Depth, top of Inner Casing to Water (ft.):	8.00
Dissolved Oxygen (mg/l):	1.99	Total Depth, top of Inner Casing (ft.):	38.00
Temp. (°C):	16.1	Length of Screen (ft.):	10.00
Conductivity (µS/cm):	.790	Volume of Water in Well (gal.):	19.50

Readings Subsequent to Purging

pH:	7.61	Pump Start Time:	1115
Dissolved Oxygen (mg/l):	2.03	Pump End Time:	1420
Temp. (°C):	15.1	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	.811	Volume Purged (gal.):	92.50
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.16	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.51	Sample Start Time:	1452
Temp. (°C):	15.1	Sample End Time:	1453
Conductivity (µS/cm):	.881		

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Location: Whitlock Mills, 160 Lafayette Street, Jersey City, New Jersey

Sample Date:	6/29/10	BES Job #	03MD035
Sample ID#:	MW-9	Sampled By:	C. Bianchini
Monitoring Well Number:	MW-9	Casing Type & Diameter:	Schedule 40 PVC 4"
Weather Conditions:	Clear 76° F	Monitoring Well Permit #:	2600086900

Readings Prior to Well Purging

Time:	1411	Product Thickness (ft.):	0.0
pH:	8.97	Depth, top of Inner Casing to Water (ft.):	5.57
Dissolved Oxygen (mg/l):	1.80	Total Depth, top of Inner Casing (ft.):	16.90
Temp. (°C):	17.4	Length of Screen (ft.):	10.00
Conductivity (µS/cm):	1.11	Volume of Water in Well (gal.):	7.36

Readings Subsequent to Purging

pH:	8.07	Pump Start Time:	1410
Dissolved Oxygen (mg/l):	2.09	Pump End Time:	1456
Temp. (°C):	16.8	Purge Rate:	0.5 Gal/min
Conductivity (µS/cm):	1.31	Volume Purged (gal.):	23.00
		Purge Method:	submersible pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	8.19	Sampling Method:	Dedicated teflon bailer
Dissolved Oxygen (mg/l):	2.18	Sample Start Time:	1533
Temp. (°C):	16.3	Sample End Time:	1534
Conductivity (µS/cm):	1.45		