BEDFORD VILLAGE WELLS

HUNTING RIDGE MALL

WESTCHESTER, NEW YORK

Final Engineering Report

Final

NYSDEC Site Number: 360009

Prepared for:

SUPERFUND STANDBY PROGRAM

New York State Department of Environmental Conservation

625 Broadway

Albany, New York 12233

Prepared by:

AECOM USA, Inc.

40 British American Boulevard

Latham, New York 12110

MAY 2026

CERTIFICATIONS

I, Michael L. Spera, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities for work completed by AECOM USA, Inc. (AECOM) for New York State Department of Environmental Conservation (NYSDEC), and I certify that the Remedial Design for contaminated groundwater was implemented and that all activities were completed in substantial conformance with the Department-approved Remedial Design.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Design for contaminated groundwater and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site will be contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement will be recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by Department.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Michael L. Spera, of AECOM USA, Inc. 40 British American Blvd, Latham, NY, am certifying for AECOM's work for NYSDEC.

As requested by the NYSDEC, Malcolm Pirnie, Inc.'s Final Remedial Report for the Bedford Village Water District Improvement Project (Malcolm Pirnie, Inc., 1999), previously certified by the submitting consultant, is included in Appendix D of this Final Engineering Report. This AECOM certification does not cover this Malcolm Pirnie, Inc. report.



073731 5/27/26

NYS Professional Engineer # Date

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LIST OF ACRONYMS

AWQS	Ambient Water Quality Standards
AS/SVE	Air Sparging / Soil Vapor Extraction
COC	Chemical of Concern
CVOC	Chlorinated Volatile Organic Compound
DCE	Cis-1,2-Dichloroethene
EC	Engineering Controls
EP&S	Environmental Products and Services
EPA	Environmental Protection Agency
FS	Feasibility Study
GeoLogic	GeoLogic NY, Inc.
HAL	Health Advisory Limit
HASP	Health & Safety Plan
IC	Institutional Controls
ISCO	In-Situ Chemical Oxidation
MW	Monitoring Well
ng/L	nanogram per Liter
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
OSHA	Occupational Safety and Health Administration
OU	Operable Unit
P&T	Pump and Treat
PCE	Tetrachloroethene
PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonic Acid
RAO	Remedial Action Objective
RD	Remedial Design
RI	Remedial Investigation
ROD	Record of Decision
SMP	Site Management Plan
SOW	Scope of Work
SSDS	Sub-Slab Depressurization System
SSI	Supplemental Site Investigation
SVI	Soil Vapor Intrusion
TCE	Trichloroethene
µg/L	micrograms per liter
VOC	Volatile Organic Compounds
WCDOH	Westchester County Department of Health
YEC	YEC Environmental

FINAL ENGINEERING REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

1.1 INTRODUCTION

The Hunting Ridge Mall, in the village of Bedford (hereinafter referred to as the "Site") is located in the County of Westchester, New York (see Figure 1) and is identified as Section 84 Block 14 and Lot 1-1 on the Westchester County Tax Map. The Site is situated on an approximately 4-acre area bounded by Old Post Road to the southeast and a steep retaining wall to the northwest (see Figure 2). The boundaries of the Site are more fully described in Appendix A –Environmental Easement. The owner of the Site parcel at the time of issuance of this Final Engineering Report is B&B Auto Parts, Inc.

1.2 SITE DESCRIPTION AND HISTORY

In 1978, the Westchester County Department of Health (WCDOH) initiated a county-wide investigation of potable water supplies. As part of this program, samples were collected from private potable water supply wells in the vicinity of former dry cleaning establishments. Preliminary results indicated that private wells in the vicinity of the Site were impacted with chlorinated volatile organic compounds (CVOCs), primarily tetrachloroethene (PCE). Subsequent sampling efforts identified CVOCs including PCE, trichloroethene (TCE), and cis-1,2-dichloroethene (DCE) in 14 private wells located within ¼ mile of the Site at concentrations above the New York State Ambient Water Quality Standards (AWQS) (New York State Department of Environmental Conservation (NYSDEC), 1998). The source of the contamination was identified to be a former dry cleaning establishment located in the Hunting Ridge Mall. In 1983, contaminated sludge was removed from the on-Site septic system, and contaminated sediments associated with the septic system effluent were removed from nearby surface water bodies.

A preliminary investigation conducted in 1985 identified groundwater contamination in on-Site monitoring wells with a maximum concentration of PCE of 100 micrograms per liter (µg/L). Based on the results of the Remedial Investigation (RI) (Dvirka and Bartilucci, 1990a) and Feasibility Study (FS) (Dvirka and Bartilucci, 1990b), a Record of Decision (ROD) (NYSDEC,1990) for the Site was prepared. The selected remedy for the Site as specified in the ROD included: 1) a groundwater pump and treat system (P&T) to remediate contaminated groundwater; and 2) provision of public water to address potential human exposure to impacted water supplies, if warranted.

Subsequent evaluation of final design parameters required for the P&T system indicated that Site-specific conditions prevented the effective use of this technology in a reasonable and cost-effective time period. Consequently, a P&T system was not installed, and a new public water supply system was constructed and completed on September 15th, 1997. The original scope of work (SOW) included the connection of thirty-one (31) private residences and businesses to the proposed water supply well, and disconnection of their private wells. Locations included properties northward of the Hunting Ridge Mall on Route 22, to the Bedford Arcade. The scope was expanded to include the extension of the water supply system to Court Road and Locust Avenue off Route 172, and the connection of additional homes and businesses. The total number of homes and businesses connected was forty-four (44). Further information regarding the Bedford Village Water Improvement Project can be found in Malcolm Pirnie, Inc.'s Final Remedial Report for the Bedford Village Water District Improvement Project (Malcolm Pirnie, Inc., 1999), included in Appendix D.

In 1998, relatively low concentrations of CVOCs (< 5 µg/L) were detected in groundwater samples from the newly installed public water supply wells. An air stripper was installed in December 1998 to remove CVOCs from the groundwater from the supply wells to concentrations below AWQS (< 0.5 µg/L) prior to distribution. The average concentration of PCE reported in the influent groundwater samples had been consistently less than 5 µg/L since the air stripper was put into operation. No Site related compounds are reported in the effluent of the air stripper system in excess of 0.5 µg/L.

A vapor intrusion evaluation was completed in 2008 to evaluate sub-slab and indoor

air within the commercial business space at four locations.

While indoor air concentrations did not exceed the New York State Department of Health (NYSDOH) Air Guidance Values at any of the sampled locations, results for the soil vapor samples indicated that sub-slab concentrations of TCE warranted the installation of a sub-slab depressurization system (SSDS) to mitigate potential future indoor air issues. In response, Aztech Technologies, Inc. installed a SSDS in July 2009. The system includes an externally located regenerative blower connected to a suction point within the Dry Cleaner Mechanical Room.

Based on continued Site-wide monitoring results and the evaluation of alternative technologies, an amendment to the ROD (NYSDEC, 2002) was issued, replacing the groundwater P&T with In-Situ Chemical Oxidation (ISCO) as the preferred remedy. AECOM prepared a Preliminary Design Report, submitted to NYSDEC in February 2009, that concluded additional data was needed to design a cost-effective mitigation program for the Site. AECOM conducted a Supplemental Site Investigation (SSI) in September 2009 to evaluate the distribution of contamination in soil and groundwater and to provide data needed to design the ISCO program.

A Remedial Design (RD) Report was submitted to the NYSDEC in February 2010 (AECOM, 2010). The design included the installation of an additional monitoring well (MW-16), the injection of a 5-percent solution of sodium permanganate into the contaminated groundwater in the area extending from MW-15 to MW-3M (Figure 3), and pre- and post- injection groundwater sampling.

A Remedial Action Progress Report was submitted to the NYSDEC in November 2010. This report documented the ISCO injection conducted in August and September 2010 (Figure 3) along with the associated well installation and baseline groundwater sampling (August 2010). A Quarterly Groundwater Sampling Report was submitted in March 2012 to summarize the post-injection groundwater sampling events from October 2011 and December 2011.

A second round of sodium permanganate injections in the same 20 locations was recommended for the Site in the Semi-Annual Groundwater Report (April 2012) (Figure 4) and was completed between November and December 2012.

The SOW also recommended the installation of two new monitoring wells, the collection of soil for total oxidant demand analysis, and eight additional groundwater sampling events to evaluate the effectiveness of the second round of sodium permanganate injections.

A third, smaller ISCO injection event was completed during the Fall of 2015. The ISCO solution was injected into previously listed locations as needed to assure planned contaminant degradation. Post injection sampling groundwater data shows a significant decrease in CVOC to below AWQS with the exception of two monitoring wells; MW-3M(R) and MW-16.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this Site.

2.1.1 Groundwater RAOs

RAOs for Public Health Protection

- Eliminate, to the extent practical, ingestion of groundwater containing contaminant levels exceeding drinking water standards.

RAOs for Environmental Protection

- Eliminate, to the extent practical, further off-Site migration of groundwater that does not attain NYSDEC Class GA AWQS (NYSDEC, 1998).

2.1.2 Soil Vapor RAOs

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

2.2 DESCRIPTION OF SELECTED REMEDY

The Site was remediated in accordance with the ISCO remedy selected by the NYSDEC in the amended ROD. The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8.

Air sparging/soil vapor extraction (AS/SVE) was initially evaluated as an alternative method to remediate the contaminated groundwater at the Site. AS/SVE is a combination of two technologies. AS injects air into the groundwater below the contaminated zone, then volatile organic compounds (VOCs) in the groundwater mix and rise to the surface. Negative pressure is then applied to the vadose zone to capture the VOC

mixture. The northern portion of the Site has shallow bedrock, and VOC contamination at the Site is located at the soil-bedrock interface. Therefore, AS/SVE would not be a practical or cost-effective remedy solution as the technology would need to be installed several feet below the contaminated zone.

ISCO remediation technology was not available when the initial ROD (NYSDEC, 1990) was prepared. After the initial ROD was issued, ISCO has been successfully demonstrated as a viable remedial technology for treatment of groundwater contaminated with VOCs. The ISCO remediation alternative was determined to be more efficient and cost effective compared to the original remedy selected for the Site. The amended ROD called for an initial injection event and monitoring program, with additional injection events if necessary. The following are the components of the selected remedy:

1. A remedial design process to verify the components of the conceptual design and provide the information necessary for the implementation and monitoring of the remedial program.

2. In-situ Chemical Oxidation via injection of sodium permanganate with a pressure activated injection probe. The solution was changed to a 15 percent sodium permanganate solution for the 2012 injection event.

3. Installation of additional monitoring wells.

4. Implementation of a monitoring and sampling plan pre and post the injection event and following additional ejection events.

5. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the Site.

6. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting.

7. Periodic certification of the institutional and engineering controls listed above.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

The Site was divided into three operable units (OUs). An OU represents a portion of a remedial program for a site that, for technical or administrative reasons, can be addressed separately to investigate, eliminate, or mitigate a release, threat of release or exposure pathway resulting from the site contamination.

OU-1 focused on providing a source of unimpacted potable water to impacted residences. A water district was formed, a distribution system designed and installed, and properties connected to public water.

OU-2 pertains to contaminated groundwater. The 1990 ROD called for a groundwater P&T system to address contamination. The ROD was modified in 2001 to select ISCO in place of P&T. AECOM completed the Remedial Design for the ISCO injections and groundwater monitoring plan (AECOM, 2010). OU-3 consisted of the soil vapor intrusion (SVI) investigation that resulted in the installation of the SSDS at Bedford Village Mall. A preliminary SVI assessment was conducted at the site in November 2005, during which a total of twenty-three temporary and permanent groundwater monitoring wells and nine soil vapor samples were collected from the vicinity of the site. Based on the findings from this preliminary investigation, the NYSDEC, in consultation with the NYSDOH, has determined that further investigation of the site and the surrounding area to address potential vapor intrusion exposures is warranted. In February 2008, EarthTech collected sub-slab and indoor air samples from four units and submitted a letter report in May 2008. Additional SVI sampling was conducted in 2009 confirming earlier findings. In July 2009 Aztech Technologies, Inc. installed the SSDS.

In 2022 GES conducted a site visit to inspect the SSDS and observed the original vapor points were either missing or sealed with putty. As part of the maintenance work, GES installed six (6) new vapor monitoring points and replaced the system’s fan with the new RadonAway® HS5500 fan. The locations of the vapor monitoring points are provided in Figure 2.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved RD for the Site (AECOM, 2010). All deviations from the RD are noted below.

Monitoring of the Site's groundwater contaminant concentrations following the initial ISCO injection in 2010 determined the majority of the permanganate solution injected was spent on oxidizing naturally occurring metals and organics in the subsurface. Therefore, an additional injection event was implemented in 2012, followed by a modified sampling and monitoring plan. After additional monitoring, a third and smaller scale ISCO injection event was conducted in 2015. Further details of the ISCO injection events are provided below in Section 4.4.

4.1 GOVERNING DOCUMENTS

4.1.1 Site Specific Health & Safety Plan (HASP)

All remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal Occupational Safety and Health Administration (OSHA). All remedial and invasive work performed at the Site was conducted in compliance with a HASP.

4.1.2 Waste Management Plan

No standalone waste management plan was developed in the creation of the RD. Wastes generated as part of the well development and injections were handled and disposed of in accordance with all municipal, state, and federal requirements. Non-hazardous wastewater from decontamination, well development, and purging was discharged onto the ground. Solid wastes including drill cuttings, sediment, and other subsurface solids were characterized and sent offsite for proper disposal. See Appendix B for available disposal documentation.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

The following list provides a summary of key project personnel, contractors, subcontractors, and their associated tasks.

- AECOM provided oversight and coordination of the remedial action;
- YEC Environmental (YEC) of Valley Cottage, New York was contracted by AECOM to oversee the installation of MW-3MR and MW-17, the sodium permanganate injections, and to survey site features (e.g., MW-3MR and MW-17);
- GeoLogic NY, Inc. (GeoLogic) of Homer, New York was contracted by the NYSDEC to install MW-3MR and MW-17 and to purchase and inject the sodium permanganate;
- Environmental Products and Services (EP&S) of Vermont, Inc. of Syracuse, New York provided waste disposal services; and
- TestAmerica of Amherst, New York provided analytical services under Call Out contract with the NYSDEC for the sampling event conducted one-month after the 2012 injection event.

4.2.2 Site Preparation

Site preparation activities for both ISCO injection events included the following activities:

- Clearing the injection area footprint of debris and sectioning off work staging areas;
- Implementation of traffic control in the form of fencing and proper signage;
- Acquisition of agency approvals and an underground injection control permit;
- Delivery of ISCO sodium permanganate solution to on-Site storage tanks;
- Installation of backflow preventer and water meter on hydrant approved for use by the town of Bedford;
- Installation of temporary decontamination pad and steam cleaner;
- Staging of 55-gallon steel drums for soil cuttings; and
- Performing an underground utility survey and mark out.

A pre-construction meeting was held with NYSDEC and all contractors.

4.2.3 General Site Controls

The Site is part of an active commercial shopping/business area that is open to the public and business occupants. The Site is located directly north of a main road, with moderate traffic. Entrance to the Site for both mobilizations was controlled by marking active work as an exclusion zone. Visitors to the Site were required to sign in and out each time they visited. The ISCO injection solution was diluted and delivered to the Site in tanker trucks. The permanganate solution was unloaded into a frac tank. The frac tank was staged within a temporary spill containment unit stored on the northern portion of the parking lot.

4.3 CONTAMINATED MATERIALS HANDLING

Wastes generated during the remedial action included soil cuttings from well installation and decontamination water from the frac tank. Soil cuttings were contained in 55-gallon steel drums and disposed by EP&S Inc. in accordance with applicable laws and regulations required by both the NYSDEC and New York State Department of Transportation (NYSDOT). The frac tank was decontaminated, and the rinse water was contained in 55-gallon steel drums and shipped off site for disposal by EP&S Inc.

4.4 INJECTION OF SODIUM PERMANGINATE SOLUTION

Three rounds of ISCO injections were implemented in 2010, 2012, and 2015. During the 2010 ISCO injection event it is estimated that 20 injection points were identified with the total estimated injection volume of just under 11,500 gallons.

Locations of the 2010 ISCO injection points are shown on Figure 3. The injection calculations section of Appendix A of the RD (AECOM, 2010) lists the injection point identities with the corresponding injected volume estimates of solution to be used.

The 2012 injection event was performed between November 27, 2012 and December 8, 2012, and attempted the injection of 22 points. Locations of the 2012 ISCO injection points are shown in Figure 4.

Table 1 lists all injection point identities with corresponding injection dates, volume, and comments. The 2012 event injected a total of 11,385 gallons of the ISCO solution.

A third, smaller, ISCO injection event took place during the Fall of 2015. A 270-gallon tote of 15 percent diluted permanganate was delivered to the site and injected by gravity into monitoring wells MW-3MR, MW-14, and MW-17.

4.5 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

Remedial performance monitoring (groundwater sampling) was conducted following the first injection event and will continue to be performed to document concentrations of dissolved contaminants at the Site. Groundwater samples will be collected in accordance with the schedule and locations identified in the Site Management Plan (SMP) (AECOM, 2026). Groundwater concentrations will continue to be tabulated, compared to NYSDEC AWQS, and analyzed to identify trends indicating remedial performance. Modification to the frequency or sampling requirements will require prior approval from the NYSDEC.

Sampling event notes will be recorded in a field book and sampling log. Both physical copies will be electronically backed up following proper quality control procedures and shared with NYSDEC in the form of regularly schedule groundwater quality reports.

4.6 CONTAMINATION REMAINING AT THE SITE

Remedial performance monitoring was conducted from 2010-2022 to document the remaining groundwater chemicals of concern (COC) concentrations at the Site and to evaluate the performance of the implemented remedy. Remaining contamination in the groundwater after the most recent sampling events, conducted in September and December 2022, is summarized in Table 2. Site-related COCs were CVOCs, including PCE, TCE, DCE, and vinyl chloride. PCE and DCE have still been detected above the AWQS in MW-3MR.

PCE has also continued to be detected above the AWQS in MW-16 in September 2022 but was not detected above the laboratory reporting limit in December 2022 from this location.

During the most recent sampling event in December 2022, PCE and cis-1,2-DCE concentrations in MW-3MR were 22 µg/L and 5.3 µg/L, respectively, exceeding the AWQS of 5 µg/L. TCE was also detected in the sample from MW-3MR at levels below the AWQS. PCE was also observed below the AWQS in the samples from MW-12 and MW-14 at 1.4 and 4.7 µg/L, respectively. There were no exceedances detected at any off-Site monitoring well locations in 2022; however, some CVOCs were detected at low level concentrations. Concentrations of acetone exceeded the NYSDEC guidance value of 50 µg/L in samples from five of the wells; however acetone is a common lab contaminant. Historical groundwater results for VOCs are provided in the attached tables for individual monitoring wells in Appendix C.

As directed by the NYSDEC, select groundwater samples were analyzed for emerging contaminants during the July 2019 sampling event including per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane. Three monitoring wells that had previously displayed high chlorinated VOC concentrations (MW-3MR, MW-14, and MW-16) were selected to be sampled for emerging contaminants. Results are presented in Table 3. Perfluorooctane sulfonic acid (PFOS) was detected at a concentration of 120 µg/L at MW-14, which exceeds the NYSDEC guideline of 10 ng/L and the USEPA Health Advisory Level (HAL) of 2.7 ng/L. PFOS was also detected in MW-16 (1.7 J µg/L) and MW-3MR (33 µg/L, exceeding the guideline and HAL). Perfluorooctanoic acid (PFOA) was detected in MW-14 (29 µg/L, exceeding the guideline and HAL), MW-16 (1.8 µg/L) and MW-3MR (16 µg/L, exceeding the guideline and HAL). Several other compounds in the PFAS/PFOA family were detected at the Site. There were no detections of 1,4-dioxane in the samples collected during this event.

Select groundwater samples were analyzed for PFAS during quarterly Site monitoring events between January 2021 and December 2022. Two monitoring wells were selected that had previously displayed exceedances NYSDEC Guidelines for PFAS during the 2019 sampling event.

Samples for PFAS analysis were collected during the September 2022 event but due to a laboratory error could not be analyzed. The bottleware sent by the lab contained Trizma preservative used in the analysis for per and polyfluoroalkyl substances in drinking water but cannot be present for analysis of groundwater using Environmental Protection Agency (EPA) method 537.1. Once the presence of Trizma was verified in the samples the lab disposed of them without consulting AECOM. The lab has taken steps to ensure this error is not repeated. The 2022 PFAS results are presented in Table 4. PFOS was detected above the NYSDEC PFAS Guidelines of 10 ng/L in MW-14 at 23 ng/L and at MW-3MR at 27 ng/L. PFOA was detected above the NYSDEC PFAS Guidelines of 10 ng/L in MW-3MR at 13 ng/L. Several other PFAS compounds, including PFOA, were detected in the samples. The concentrations appear to be stable.

Since contaminated groundwater remains beneath the Site after completion of the Remedial Action, Institutional and Engineering Controls are required to protect human health and the environment. These Engineering and Institutional Controls (ECs/ICs) are described in the following sections. Long-term management of these EC/ICs and residual contamination will be performed under the SMP approved by the NYSDEC.

4.7 ENGINEERING CONTROLS

The implemented remedy for the Site included the ISCO injection. The engineering control associated with the ISCO injection is the monitoring well network that is included in the groundwater monitoring program. Procedures of monitoring and sampling the groundwater wells are provided in the Monitoring and Sampling Plan in Section 4.0 of the SMP.

Although not included in the ROD as a remedy, the SSDS that was installed in July 2009 is also included as an engineering control for the Site. The operation and maintenance procedures for the SSDS are provided in the Operation and Maintenance Plan in Section 5.0 of the SMP. The Monitoring Plan also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-Site ECs.

4.8 INSTITUTIONAL CONTROLS

The Site remedy requires that an environmental easement be placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the use and development of the Site to commercial uses only.

The environmental easement for the Site has been executed by the Department and filed with the Westchester County Clerk. A copy of the easement and proof of filing is attached to this document as Appendix A.

4.9 DEVIATIONS FROM THE REMEDIAL DESIGN

The remedial project was followed according to all methodologies and processes defined in the RD. Monitoring and sampling plans have followed what was listed in the SMP. No major deviations from the RD have been documented.

5.0 REFERENCES

AECOM, 2009. Supplemental Site Investigation for Bedford Village Wells – Hunting Ridge Mall, Westchester County, NY, September 2009.

AECOM, 2010. Remedial Design for Bedford Village Wells – Hunting Ridge Mall, Westchester County, NY, February 2010.

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Dvirka and Bartilucci, 1990a. Remedial investigation for Bedford Village Wells, Westchester County, NY, February 1990.

Dvirka and Bartilucci, 1990b. Feasibility Study for Bedford Village Wells, Westchester County, NY, February 1990.

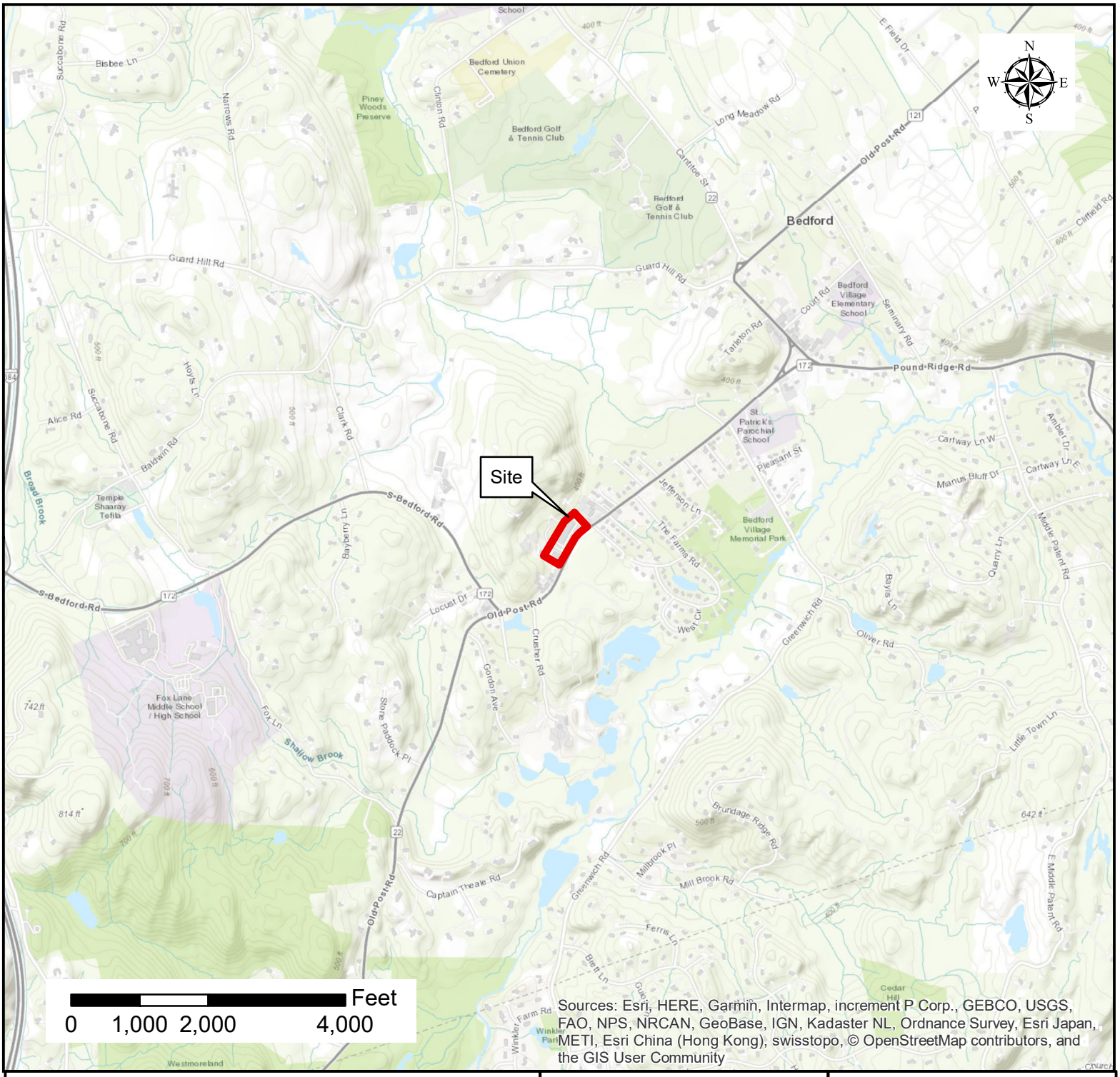
Malcolm Pirnie, Inc., 1999. Final Remedial Report for the New York State Department of Environmental Conservation Bedford Village Water District Improvement Project, November 1999.

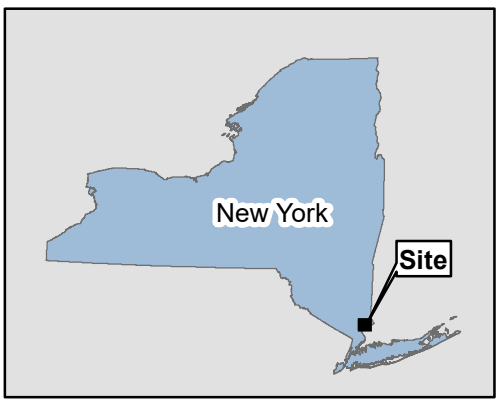
NYSDEC, 1990. Record of Decision for Bedford Village Wells, Westchester County, NY, March 1990.

NYSDEC, 1998. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 1998 (April 2000 addendum).

NYSDEC, 2002. Amended Record of Decision for Bedford Village Wells, Westchester County, NY, March 2002.

Figures





Source: ArcGIS Bing Maps Aerial, 2012.

AECOM

40 British American Blvd.
Latham, NY 12110
T: (518) 951-2200
F: (518) 951-2300

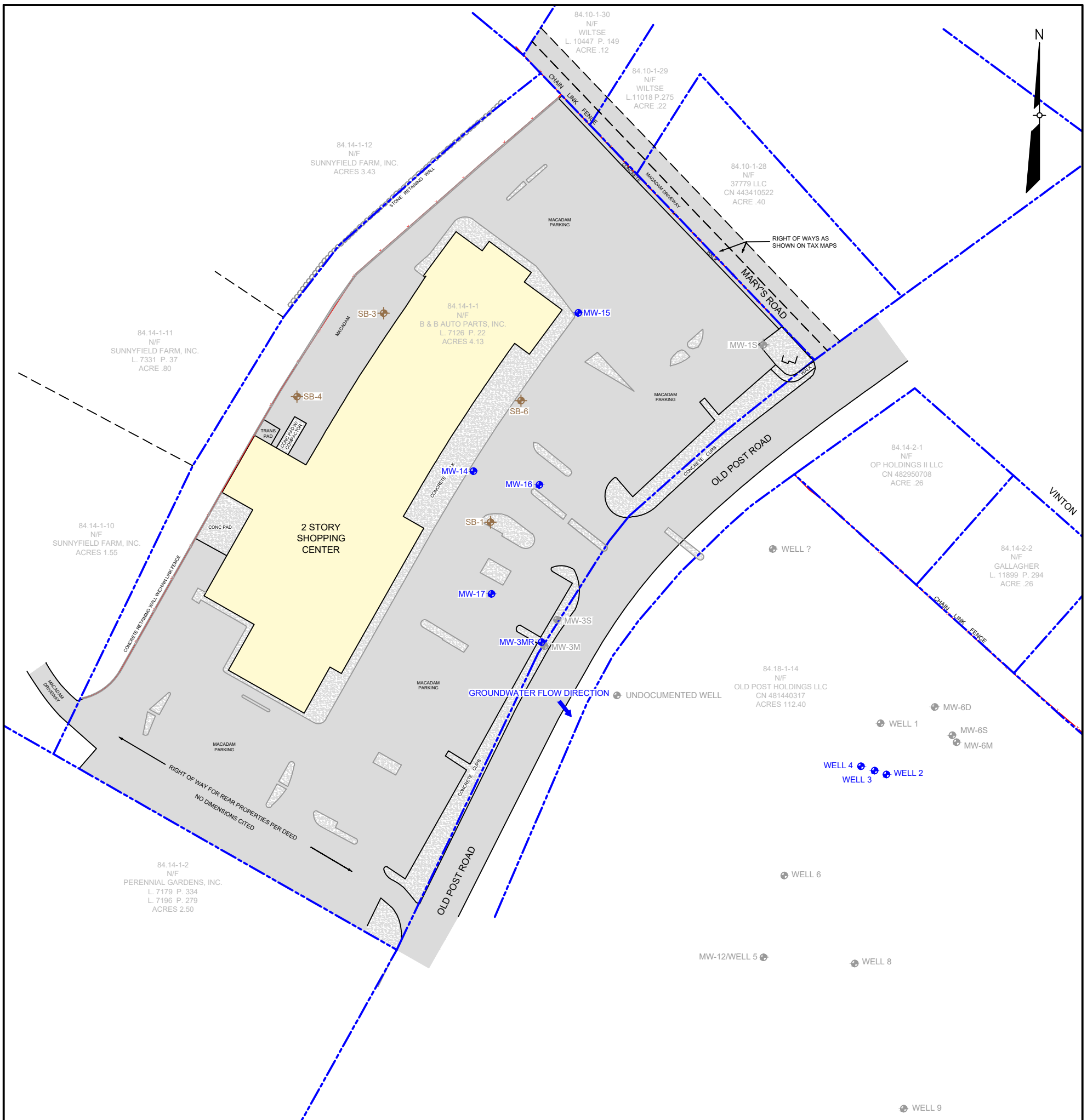
FIGURE 1

SITE LOCATION MAP

BEDFORD VILLAGE HUNTING RIDGE MALL
NYSDEC SITE NO. 3-60-009

FEBRUARY 2021 60639092

L:\Group\earth\Latham NY Work\OGS Central Islip\Site Location Map.mxd SplawnM



LEGEND:

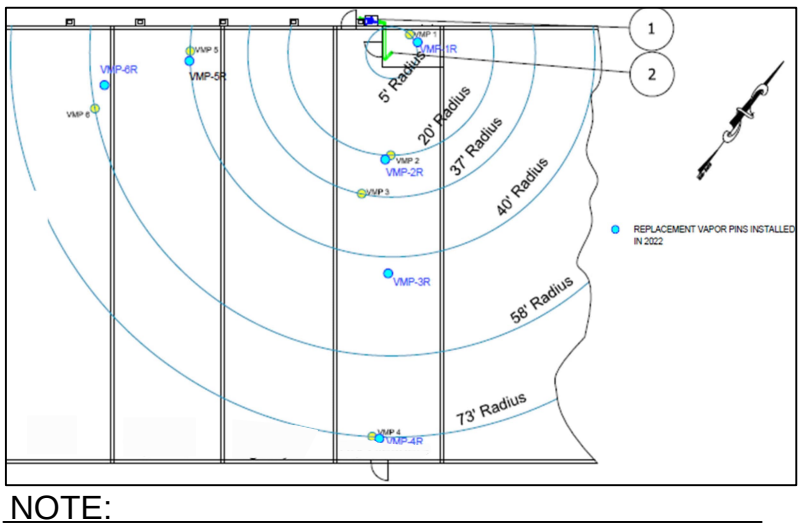
- MW-16 — MONITORING WELL LOCATION
- MW-8 — DECOMMISSIONED MONITORING WELL LOCATION
- SB-2 — SOIL BORING LOCATION
- PROPERTY BOUNDARY
- BUILDING
- PAVED AREA
- CONCRETE AREA

NOTE:

1. MW-1S WAS REMOVED/ DESTROYED IN SPRING 2011. THIS WELL IS DECOMMISSIONED.
2. WELL 2, WELL 3 AND WELL 4 COULD NOT BE LOCATED DURING DECOMMISSIONING ACTIVITIES.

SOURCE:
SURVEY COMPLETED BY YEC, INC. DATE OF FIELD SURVEY JANUARY 12, 2009. PROPERTY LINES SHOWN ARE APPROXIMATE ONLY FROM TAX MAP INFORMATION AND ARE NOT CERTIFIED. PROPERTY OWNERS NAMES AND DEED REFERENCES FROM TOWN OF BEDFORD TAX ASSESSMENT ROLES.

BEDFORD MALL SUB-SLAB DEPRESSURIZATION SYSTEM



NOTE:

1. REFERENCED FROM GES, SITE MAP, SEPTEMBER 9, 2022
2. NOT TO SCALE

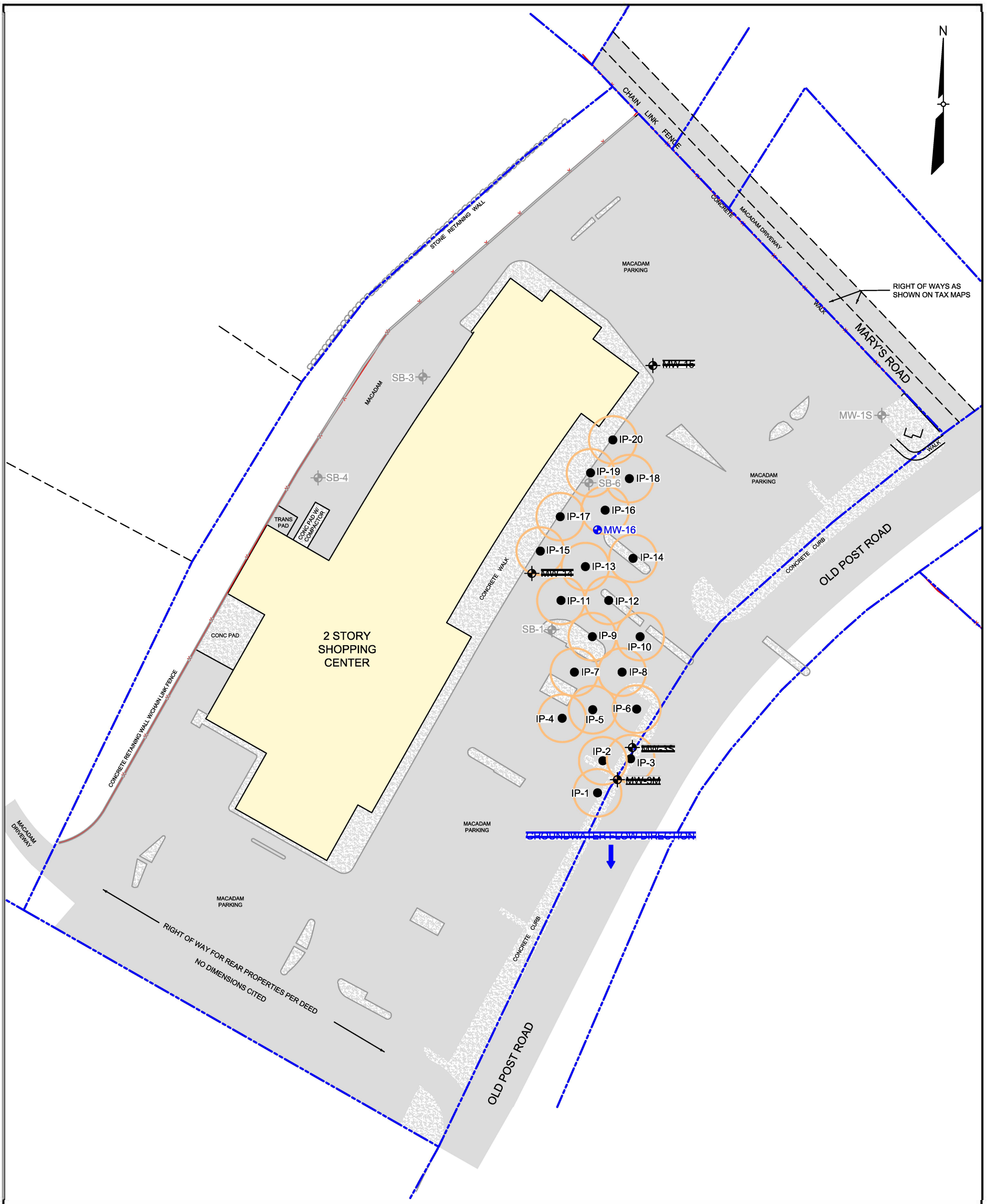
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FIGURE 2
SITE LAYOUT MAP

BEDFORD VILLAGE HUNTING RIDGE MALL
NYSDEC SITE NO. 3-60-009

DECEMBER 2025

60276051



LEGEND:

- IP-1 ● INJECTION POINT LOCATION
- MW-16 ⊕ PROPOSED MW-16
- MW-14/SB-2 ⊕ SOIL BORING/MONITORING WELL LOCATION
- ○ 15' RADIUS OF INFLUENCE
- PROPERTY BOUNDARY
- BUILDING
- PAVED AREA
- CONCRETE AREA

0 30 60 120

SCALE IN FEET

SOURCE:
SURVEY COMPLETED BY YEC, INC. DATE OF FIELD SURVEY JANUARY 12, 2009. PROPERTY LINES SHOWN ARE APPROXIMATE ONLY FROM TAX MAP INFORMATION AND ARE NOT CERTIFIED. PROPERTY OWNERS NAMES AND DEED REFERENCES FROM TOWN OF BEDFORD TAX ASSESSMENT ROLES.

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FIGURE 3
INJECTION POINT LAYOUT - 2010

BEDFORD VILLAGE HUNTING RIDGE MALL
SITE NO. 360009

FEBRUARY 2021 60639092

C:\Users\splawnm\Desktop\Projects\Hunting Ridge Mall (Bedford Village)\60639092_002 Injection Point Layout - 2010.dwg, 2/15/2021 11:19:51 AM, Splawnm

N

CHAIN LINK FENCE

STONE RETAINING WALL

CONCRETE

MACADAM DRIVEWAY

MACADAM PARKING

RIGHT OF WAYS AS SHOWN ON TAX MAPS

WALK

MARY'S ROAD

SB-3

MW-15

MW-1S

MACADAM

IP-20

IP-19

IP-18

SB-4

MACADAM PARKING

SB-6

IP-16

IP-17

TRANS PAD

CONC PAD W/ COMPACTOR

IP-15

IP-14

MW-14

IP-13

CONCRETE

CONCRETE CURB

OLD POST ROAD

MW-16

IP-12

IP-11

SB-1

IP-9

IP-10

2 STORY SHOPPING CENTER

CONC PAD

IP-7

IP-8

IP-6

MW-17

IP-5

IP-4

CONCRETE RETAINING WALL W/CHAIN LINK FENCE

IP-2

MW-3S

IP-3

MW-3MR

MW-3M

IP-1

MACADAM PARKING

GROUNDWATER FLOW DIRECTION

MACADAM DRIVEWAY

MACADAM PARKING

RIGHT OF WAY FOR REAR PROPERTIES PER DEED
NO DIMENSIONS CITED

CONCRETE CURB

OLD POST ROAD

LEGEND:

IP-1	APPROXIMATE INJECTION POINT LOCATION
MW-16	MONITORING WELL LOCATION
SB-2	SOIL BORING LOCATION
MW-3M	MONITORING WELL LOCATION - INJECTED
IP-12	INJECTION POINT LOCATION - NOT INJECTED
	PROPERTY BOUNDARY
	BUILDING
	PAVED AREA
	CONCRETE AREA

0 30 60 120

SCALE IN FEET

SOURCE:
SURVEY COMPLETED BY YEC, INC. DATE OF FIELD SURVEY JANUARY 12, 2009. PROPERTY LINES SHOWN ARE APPROXIMATE ONLY FROM TAX MAP INFORMATION AND ARE NOT CERTIFIED. PROPERTY OWNERS NAMES AND DEED REFERENCES FROM TOWN OF BEDFORD TAX ASSESSMENT ROLES.

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FIGURE 4
INJECTION POINT LAYOUT - 2012

BEDFORD VILLAGE HUNTING RIDGE MALL
NYSDEC SITE NO. 3-60-009

FEBRUARY 2021 60639092

Tables

Table 1
2012 Injection Event Details
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Injection Point Identification	Injection Volume (gal)	Average Flow (gal/min)	Date
IP-1	864	6.88	12/4/2012 - 12/5/2012
IP-2	880	9.06	12/4/2012
IP-3	1013	3.58	11/29/2012 &12/3/2012
IP-4	672	7.76	12/5/2012
IP-5	625	7.14	12/6/2012 - 12/7/2012
IP-6	992	9.18	12/3/2012 - 12/4/2012
IP-7	576	6.89	12/5/2012
IP-8	720	7.63	12/6/2012
IP-9	736	9.00	12/5/2012
IP-10	688	6.80	12/7/2012 - 12/8/2012
IP-11	356	6.41	12/5/2012
IP-12	16	0.38	12/7/2012
IP-13	512	5.99	12/8/2012
IP-14	792	2.05	11/27/2012 - 11/28/2012
IP-15	281	6.60	12/8/2012
IP-16	368	5.70	12/7/2012
IP-17	NA	NA	12/8/2012
IP-18	384	6.35	12/8/2012
IP-19	304	7.66	12/8/2012
IP-20	246	1.30	11/26/2012 - 11/27/2012
MW - 3M	160	1.71	11/28/2012
MW - 16	200	1.68	11/28/2012

Note: Injection at IP-12 and IP-17 was cut short due to issues with sand clogging and insufficient volume of permanganate.

gal = gallons
gal/min = gallons per minute
NA = not applicable
NYSDEC = New York State Department of Environmental Conservation

Table 2
Remaining Contamination at the Site
Bedford Village Wells - Hunting Ridge Mall
December 2022
NYSDEC Site No. 3-60-009

Analytes	NYSDEC Ambient Water Quality Standards and Guidance Value	Monitoring Well ID and Sample Date									
		MW-3MR	MW-5M	MW-5M DUP	MW-6M	MW-6S	MW-12	MW-14	MW-15	MW-16	MW-17
		12/19/2022	12/19/2022	12/19/2022	12/19/2022	12/19/2022	12/19/2022	12/19/2022	12/19/2022	12/19/2022	12/19/2022
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroehtane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (GV)	ND	**380**	**400**	**370**	ND	ND	ND	**250**	**500**	**710**
Benzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	**5.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	5	**22**	ND	ND	ND	ND	**1.4**	**4.7**	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	5	**4.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
GV (NYSDEC AWQ Guidance Value)
ND - Not Detected at the reporting limit (or MDL or EDL if shown).
NS - No standard exists
Detected concentrations are in bold font.
Detections exceeding the NYSDEC Ambient Water Quality Standards (AWQS) are highlighted in gray.
Units are in µg/L (micrograms/liter)

Table 3
2019 Emerging Contaminants Groundwater Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Analytes	NYSDEC PFAS Guidelines	Health Advisory Level	Monitoring Well ID and Sample Date					
			MW-14	MW-14 DUP	MW-16	MW-3MR	EQUIPMENT BLANK	FIELD BLANK
			7/16/2019	7/16/2019	7/16/2019	7/17/2019	7/17/2019	7/17/2019
Perfluoroalkane Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	100	NS	**7.3**	**7.4**	**0.54 J**	**1.1 J**	ND	ND
Perfluorohexane sulfonic acid (PFHxS)	100	NS	**9.2 B**	**9.0 B**	**0.51 JB**	**2.6 B**	**0.31 JB**	**0.27 JB**
Perfluoroheptane sulfonic acid (PFHpS)	100	NS	**1.7 J**	**1.3 J**	ND	**0.51 J**	ND	ND
Perfluorooctane sulfonic acid (PFOS)	10	2.7	**120**	**130**	**1.7 J**	**33**	ND	ND
Perfluorodecane sulfonic acid (PFDS)	100	NS	ND	ND	ND	ND	ND	ND
Perfluoroalkane Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	100	NS	**11**	**11**	**1.7 J**	**2.0**	ND	ND
Perfluoropentanoic acid (PFPeA)	100	NS	**32**	**31**	**1.9**	**6.2**	ND	ND
Perfluorohexanoic acid (PFHxA)	100	NS	**26**	**28**	**0.96 J**	**6.7**	ND	ND
Perfluoroheptanoic acid (PFHpA)	100	NS	**16**	**16**	**0.77 J**	**3.0**	ND	ND
Perfluorooctanoic acid (PFOA)	10	6.7	**29**	**30**	**1.8**	**16**	ND	ND
Perfluorononanoic acid (PFNA)	100	NS	**2.6**	**2.7**	**0.46 J**	**1.1 J**	ND	ND
Perfluorodecanoic acid (PFDA)	100	NS	**0.55 J**	**0.46 JI**	**0.49 J**	**1.1 J**	ND	ND
Perfluoroundecanoic acid (PFUnA)	100	NS	ND	ND	ND	ND	ND	ND
Perfluorododecanoic acid (PFDoA)	100	NS	ND	**0.95 J**	ND	ND	ND	ND
Perfluorotridecanoic acid (PFTriA)	100	NS	ND	ND	ND	ND	ND	ND
Perfluorotetradecanoic acid (PFTeA)	100	NS	**0.56 JB**	ND	**0.48 JB**	ND	**0.33 JB**	**0.47 JB**
Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	100	NS	ND	**0.77 J**	ND	**2.8**	ND	ND
N-Methyl perfluorooctane sulfonamidoacetic acid	100	NS	ND	ND	ND	ND	ND	ND
N-Ethyl perfluorooctane sulfonamidoacetic acid	100	NS	ND	ND	ND	**2.4 J**	ND	ND
(n:2) Fluorotelomer Sulfonic Acids								
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	100	NS	ND	**2.3 J**	ND	ND	ND	ND
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	100	NS	ND	ND	ND	ND	ND	ND
1,4- Dioxane								
1,4-Dioxane	NS	50*	ND	ND	ND	ND	ND	ND

Notes:
PFAS units are in ng/L (nanograms/liter)
1,4-dioxane units are in µg/L (micrograms/liter)
*50 µg/L is the maximum contaminant level for unspecified organic compounds, which applies to 1,4-dioxane - Value is estimated maximum possible concentration.
B - Compound was found in the blank and the sample.
I - Value is estimated maximum possible concentration.
J -Result is less than the Reporting Level (RL) but greater than or equal to the MDL and the concentration is an approximate value.
ND - Not Detected at the reporting limit (or Method detection limit (MDL) or Estimated Detection limit (EDL) if shown).
NS - No Health Advisory Level (HAL) or NYSDEC Guidance level exists.
NYSDEC – New York State Department of Environmental Conservation
US EPA – United States Environmental Protection Agency
Detected concentrations are in bold font.
Detections exceeding the US EPA HAL of 6.7 ng/L for PFOA, and 2.7 ng/L for PFOS are highlighted in gray.
Detections exceeding the NYSDEC Guidance levels, or if a combination of non-PFOS/non-PFAS level exceed 500 ng/L, will be highlighted gray.

Table 4
Quarterly Jan 2021 - December 2022 Emerging Contaminants Groundwater Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Analytes	NYSDEC PFAS Guidelines	Monitoring Well ID and Sample Date																							
		MW-14								MW-3MR								FIELD BLANK							
		1/18/2021	4/1/2021	8/16/2021	12/2/2021	3/23/2022	6/15/2022	9/22/2022	12/19/2022	1/18/2021	4/1/2021	8/16/2021	12/2/2021	3/24/2022	6/15/2022	9/22/2022	12/19/2022	1/18/2021	4/1/2021	8/16/2021	12/2/2021	3/23/2022	6/15/2022	9/22/2022	12/19/2022
Perfluoroalkane Sulfonic Acids																									
Perfluorobutane sulfonic acid (PFBS)	100	**4.3**	**3.5**	**4.7**	ND	**2.9**	**6.4**	NA	ND	**1.2 J**	**1.4 J**	**1.4 J**	ND	ND	ND	NA	**2**	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorohexane sulfonic acid (PFHxS)	100	**2.2**	**2.6**	**3.0**	ND	**2.7**	**4.7**	NA	ND	**2.5**	**2.6**	**3.1**	**2.2**	**2.1**	**2.4**	NA	**3.2**	ND	ND	ND	ND	ND	ND	NA	ND
Perfluoroheptane sulfonic acid (PFHpS)	100	**0.63 J**	**0.43 J**	**0.76 J**	NA	NA	ND	NA	ND	**0.29 J**	**0.52 J**	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	ND	NA	ND
Perfluorooctane sulfonic acid (PFOS)	10	**57**	**48**	**60**	**28**	**58**	**82**	NA	**23**	**23**	**27**	**24**	**19**	**18**	**20**	NA	**27**	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorodecane sulfonic acid (PFDS)	100	ND	ND	ND	NA	NA	ND	NA	ND	ND F1	ND	ND	NA	NA	**2.6**	NA	**3.7**	ND	**0.31 J**	ND	NA	NA	ND	NA	ND
Perfluoroalkane Carboxylic Acids																									
Perfluorobutanoic acid (PFBA)	100	**4.4 J**	**4.3 J**	**7.4**	NA	NA	**14**	NA	ND	**2.6 J**	**3.3 J**	**3.0 J**	NA	NA	**2.5**	NA	**3.6**	ND	ND	ND	NA	NA	ND	NA	ND
Perfluoropentanoic acid (PFPeA)	100	**15**	**8.8**	**16**	NA	NA	**21**	NA	**7.3**	**6.7**	**7.7**	**7.8**	NA	NA	**6.2**	NA	**9.5**	ND	ND	ND	NA	NA	ND	NA	ND
Perfluorohexanoic acid (PFHxA)	100	**11**	**7.8**	**13**	**7.9**	**14**	**34**	NA	**5.5**	**6.0**	**7.2**	**7.1**	**5.7**	**5.8**	**6.5**	NA	**9.4**	ND	**0.52 J**	ND	ND	ND	ND	NA	ND
Perfluoroheptanoic acid (PFHpA)	100	**5.0**	**2.9**	**5.5**	**2.8**	**5.1**	**8.5**	NA	ND	**2.9**	**3.2**	**3.3**	**2.3**	**2.2**	**2.3**	NA	**3.7**	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorooctanoic acid (PFOA)	10	**11**	**8.8**	**11**	**5.4**	**11**	**17**	NA	**6.5**	**10**	**12**	**12.0**	**9.4**	**9.1**	**8.2**	NA	**13.0**	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorononanoic acid (PFNA)	100	**3.8**	**2.4**	**3.9**	ND	**2.1**	**3.0**	NA	ND	**0.58 J**	**0.55 J**	**0.59 J**	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorodecanoic acid (PFDA)	100	**0.38 J**	**0.46 J**	**0.55 J**	ND	ND	**2.4**	NA	ND	**0.60 J**	**0.70 J**	**0.48 J**	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
Perfluoroundecanoic acid (PFUnA)	100	ND	ND	ND	ND	ND	ND	NA	ND	ND F1	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorododecanoic acid (PFDoA)	100	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.84 J**	ND	ND	ND	ND	NA	ND
Perfluorotridecanoic acid (PFTriA)	100	ND	ND	ND F1	ND	ND	ND	NA	ND	ND F1	ND	ND	ND	ND	ND	NA	ND	ND	**1.2 J**	ND	ND	ND	ND	NA	ND
Perfluorotetradecanoic acid (PFTeA)	100	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**1.0 J**	ND	ND	ND	ND	NA	ND
Perfluoroalkyl Sulfonamides																									
Perfluorooctane sulfonamide (FOSA)	100	ND	ND	ND	NA	NA	ND	NA	ND	**4.4**	**4.9**	**4.1**	NA	NA	**4.5**	NA	**3.3**	ND	ND	ND	NA	NA	ND	NA	ND
N-Methyl perfluorooctane sulfonamidoacetic acid	100	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
N-Ethyl perfluorooctane sulfonamidoacetic acid	100	ND	ND	ND	ND	ND	ND	NA	ND	**3.3 J**	**3.7 J**	**3.3 J**	**2.8**	**2.6**	**2.9**	NA	**3.7**	ND	ND	ND	ND	ND	ND	NA	ND
(n:2) Fluorotelomer Sulfonic Acids																									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	100	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	ND	NA	ND
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	100	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	ND	NA	ND

Notes:
Units are in ng/L (nanograms/liter)
F1 - MS and/or MSD recovery exceeds control limits.
J -Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NA - Not analyzed
ND - Not Detected at the reporting limit (or Method detection limit (MDL) or Estimated Detection limit (EDL) if shown).
NYSDEC – New York State Department of Environmental Conservation
US EPA – United States Environmental Protection Agency
Detected concentrations are in bold font.
Detections exceeding the US EPA HAL of 6.7 ng/L for PFOA, and 2.7 ng/L for PFOS are highlighted in gray.
Detections exceeding the NYSDEC Guidance levels, or if a combination of non-PFOS/non-PFOS level exceed 500 ng/L, will be highlighted gray.

Appendix A: Environmental Easement

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 9th day of February, 2026, between Owner, B & B Mall Associates, Inc. f/k/a B & B Auto Parts, Inc., having an office at 1255 East 180th Street, Bronx, New York 10460 (the "Grantor"), and The People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 448 Old Post Road in the Town of Bedford, County of Westchester, in the State of New York, known and designated as Town of Bedford Tax Map Section 84.14, Block 1, Lot 1, being the same as that property conveyed to Grantor by deed dated May 11, 1973, and recorded in the Westchester County Clerk's Office at Liber 7126, Page 22 on May 18, 1973. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 4.134 +/- acres, and is hereinafter more fully described in the Land Title Survey dated November 16, 2018 and last revised on March 20, 2024, prepared by Daniel T. Merritts, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Order on Consent Index Number W3-1187-14-1, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Westchester County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a

defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: 360009
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

B & B Mall Associates, Inc. f/k/a B & B Auto Parts, Inc.:

By: Thomas Bastardi

Print Name:

Title: Pres Date: 01/26/26

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Westchester

On the 26 day of January in the year 2026, before me, the undersigned, personally appeared Thomas Bastardi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public - State of New York

PETER J. CHO
NOTARY PUBLIC, STATE OF NEW YORK
NO. 01CH6308766
QUALIFIED IN WESTCHESTER COUNTY
MY COMMISSION EXPIRES JULY 28, 2026

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting by and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Andrew O. Guglielmi, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 9th day of February in the year 2024 before me, the undersigned, personally appeared Andrew O. Guglielmi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

Cheryl A. Salem
Notary Public State Of New York
Reg No. 01SA0002177
Qualified in Albany County
Comm Exp March 3, 2027

SCHEDULE "A" PROPERTY DESCRIPTION

Environmental Easement Description

BEGINNING at a point at the southwesterly corner of the premises herein described at the intersection of the North side of the Old Post Road (known as Route 22) and the northeasterly boundary of property formerly of Fred J. Crick and now or formerly of Karl Katschke, and running thence along the said northeasterly boundary of the land of said now or formerly Karl Katschke, North 48° 40' 00" West 300.39 feet to the northwesterly corner of the premises herein described; running thence North 37° 25' 00" East 243.48 feet, North 43° 01' 00" East 132.35 feet, North 49° 21' 00" East 68.89 feet, North 59° 57' 30" East 131.54 feet and North 63° 19' 30" East 70.17 feet to a point on the southwesterly boundary of property formerly of Jennie F. and Janette R. Stuke and now or formerly of Gordon S. Wilson; running thence along said property of Gordon S. Wilson and that now or formerly owned by Jennie F. and Janette R. Stuke South 32° 02' 00" East 301.32 feet to a point on the North side of the Old Post Road at the southeasterly corner of the premises herein described; running thence westwardly and southwestwardly along the northerly side of the Old Post Road (known as Route 22) South 63° 19' 30" West 89.48 feet, South 59° 57' 30" West 94.88 feet, South 49° 21' 00" West 24.45 feet, South 43° 01' 00" West 101.08 feet, South 37° 25' 00" West 244.08 feet, (last five courses equal 553.97 feet) to the point or place of beginning. Containing 4.134 Acres more or less.

Deed Description

All those parcels of land, with the buildings and improvements thereon, situate, lying and being in the Town of Bedford, County of Westchester, State of New York, being bounded and described as follows:

BEGINNING at a point at the southwesterly corner of the premises herein described at the intersection of the North side of the Old Post Road (known as Route 22) and the northeasterly boundary of property formerly of Fred J. Crick and now or formerly of Karl Katschke, and running thence along the said northeasterly boundary of the land of said Karl Katschke, North 48° 40' West 300.39 feet to the northwesterly corner of the premises herein described; running thence North 37° 25' East 243.48 feet, North 43° 01' East 132.35 feet, North 49° 21' East 68.89 feet, North 59° 57' 30" East 131.54 feet and North 63° 19' 30" East 70.17 feet to a point on the southwesterly boundary of property formerly of Jennie F. and Janette R. Stuke and now or formerly of Gordon S. Wilson; running thence along said property of Gordon S. Wilson and that now or formerly owned by Jennie F. and Janette R. Stuke South 32° 02' East 301.32 feet to a point on the North side of the Old Post Road at the southeasterly corner of the premises herein described; running thence westwardly and southwestwardly along the northerly side of the Old Post Road (known as Route 22) 554 feet, more or less, to the point or place of beginning.

Appendix B: Bill of Lading and Waste Manifest

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

Please print or type

BILL OF LADING

1. Document No. MET1705 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
NYS DEC
625 BROADWAY
BEDFORD NY 12065

4. Generator's Phone (518) 402-9625

Site Address
420 OLD POST ROAD
BEDFORD VILLAGE NY 10506

5. Transporter 1 Company Name
ENVIRONMENTAL PROD & SVCS OF VT, INC

6. NYR000115733

A. State Transporter's ID 26018 VT

B. Transporter 1 Phone 800 843-8265

7. Transporter 2 Company Name

8.

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
ENVIRONMENTAL PROD & SVCS OF VT, INC
532 STATE FAIR BLVD.
SYRACUSE NY 13204
HM

10. NYR000115733

E. State Facility's ID

F. Facility's Phone
800 843-8265

GENERATOR

	11. Shipping Name	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a.	NON-RCRA, NON-DOT SOLIDS, N.O.S. (Soil Cuttings)	4	DM	800	P
b.	NON-RCRA, NON-DOT, LIQUIDS, N.O.S. (Well Purge Water)	2	DM	100	G
c.	NON-RCRA non-DOT Solid (RCRA empty Drum)	1	DM	20	P
d.					

G. Additional Descriptions for Materials Listed Above

a. App#0113287-DT, 4 x 55 Gal

b. App#0113280-OT, 2 x55 Gal

c. App#0213001-MT, 1 x 55 gal

d.

15. Special Handling Instructions and Additional Information
1) 2)Job#W5700

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name: Benjamin A. Peters | Signature | Date: Month 2 Day 1 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Chris Ire | Signature | Date: Month 2 Day 1 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the materials covered by this bill of lading except as noted in Item 19.

Printed/Typed Name | Signature | Date: Month Day Year

BILL OF LADING

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD980780704	1	800-843-8265	005727561 FLE

GENERATOR

5. Generator's Name and Mailing Address
NYS DEC
625 BROADWAY
BEDFORD NY 12065
Generator's Phone: 518 402-9625

Generator's Site Address (if different than mailing address)
NYS DEC
420 OLD POST ROAD
BEDFORD VILLAGE NY 10506

6. Transporter 1 Company Name
ENVIRONMENTAL PROD & SVCS OF VT, INC
U.S. EPA ID Number
NYR000115733

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CYCLE CHEM, INC.
550 INDUSTRIAL DR.
LEWISBERRY PA 17339
Facility's Phone: 717 938-4700
U.S. EPA ID Number
PAD067098822

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. RQ UN1503, WASTE Sodium permanganate solution 5.1, PGII	5	DM	250	G	D001	L	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1) App#EPS302-A-STX2. 5 X 55 Gal. ERG#140
2)
3)
4) Job#W5700 PO#4079W

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Frederick Alesz
Signature:
Month: 2 Day: 1 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris Lee
Signature:
Month: 2 Day: 1 Year: 13

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQ.)

Appendix C: Historical Groundwater Monitoring Results

Table 1 - MW-3M(R) Groundwater Sampling Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Date of Sampling / Analyte	NYSDEC AWQ S/GVs (µg/L)	12/28/11	1/29/13	5/9/13	9/10/13	12/30/13	4/18/14	7/14/14	9/26/14	1/2/15	5/12/15	9/23/15	12/22/15	3/22/16	6/16/17	7/17/19	1/18/21	4/1/21	8/16/21	12/2/21	3/24/22	6/15/22	9/22/22	12/19/22
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50 (GV)	**3.3 J**	ND	**3.2 J**	ND	ND	ND	ND	ND	**5.4 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (GV)	**18**	**9.0 J**	**21**	**15**	**1,100**	**6.0 J**	**45**	**6.0 J**	**5.5 J**	**39**	**47**	**35**	**35**	**4.3 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	**1**	**0.85 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.34 J**	**0.36 J**	**0.46 J**	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	**34**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.5**	**5.7**	**6.1**	**5.5**	**4.8**	**5.2**	**4.8**	**5.3**	**5.3**
cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	**2.2**	ND	ND	ND	ND	ND	ND	**1.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50 (GV)	ND	**3.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND *+	ND	ND	ND	ND	ND
Methylcyclohexane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	**76**	ND	ND	ND	ND	**0.56 J**	**0.93 J**	**0.33 J**	ND	ND	**0.56 J**	**5.9**	**13**	**3.8**	**23**	**22**	**24**	**20**	**23**	**19**	**19**	**22**	**22**
Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	**13**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.74 J**	ND	**5.5**	**4.6**	**5.0**	**4.3**	**4.9**	**3.8**	**4.2**	**4.6**	**4.3**
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CVOCs (excluding acetone)		126.3	4.3	6.25	0	0	0.56	0.93	0.33	5.4	1.6	0.56	5.9	13.74	3.8	35	32.64	35.46	30.3	32.7	28.0	28.0	31.9	31.6

Notes:
Results are compared to the New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality (AWQ) Standards and Guidance Values (S/GV) for detected analytes only.
* - The principal organic contaminant standard for groundwater of 5 micrograms per liter (µg/L) applies to this substance.
Bold values indicate those detected above method detection limits (MDLs).
Shaded cells indicate values above the NYS AWQ S/GV. Acetone is a common lab contaminant; those cells are not shaded for exceedances.
ND - The analyte was analyzed for, but not detected at or above the MDL.
J - The analyte was positively identified, the quantitation is an approximation.
NS - No standard exists
*+ - LCS and/or LCSD is outside acceptance limits, high biased.

Table 2 - MW-14 Groundwater Sampling Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Date of Sampling / Analyte	NYSDEC AWQ S/GVs (µg/L)	12/28/11	1/29/13	5/9/13	9/10/13	12/30/13	4/18/14	7/14/14	9/26/14	1/2/15	5/12/15	9/23/15	12/22/15	3/22/16	6/16/17	7/16/19	1/18/21	4/1/21	8/16/21	12/2/21	3/23/22	6/15/22	9/22/22	Duplicate - 9/22/22	12/19/22
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (GV)	**5.4 J**	**13**	**6.8 J**	**11**	**950**	**5.5 J**	**44**	**4.2 J**	**17**	**150**	**45**	**33**	**23**	**4.0 J**	ND	ND	ND	**9.8 J**	ND	ND	ND	ND	ND	ND
Benzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.58 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	**5.4**	**31**	**2.5**	ND	ND	**11**	**2.7**	ND	**0.99 J**	ND	ND	ND	**4.6**	**1.6**	ND	ND	**3.0**	ND	ND	**1.9**	**1.2**	ND	ND	ND
cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND *+	ND	ND	ND	ND	ND	ND
Methylcyclohexane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	**12**	**44**	**14**	**6**	**0.97 J**	**38**	**15**	**0.90 J**	**1.7**	ND	ND	ND	**7.8**	**4.2**	**0.74 J**	**2.2**	**13**	ND	**2.9**	**6.1**	**5.6**	**4.0**	**4.3**	**4.7**
Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	**3.2**	**14**	**2.5**	**0.82 J**	**0.60 J**	**9.3**	**3.6**	**0.64 J**	**0.72 J**	ND	ND	ND	**2.8**	**1.1**	ND	ND	**2.1**	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CVOCs (excluding acetone)		20.6	89	19	6.82	1.57	58.3	21.3	1.54	3.41	3.1	0.58	0	15.2	6.9	0.74	2.2	18.1	0	2.9	8	6.8	4.0	4.3	4.7

Notes:
Results are compared to the New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality (AWQ) Standards and Guidance Values (S/GV) for detected analytes only.
* - The principal organic contaminant standard for groundwater of 5 micrograms per liter (µg/L) applies to this substance.
Bold values indicate those detected above method detection limits (MDLs).
Shaded cells indicate values above the NYS AWQ S/GV. Acetone is a common lab contaminant; those cells are not shaded for exceedances.
ND - The analyte was analyzed for, but not detected at or above the MDL.
J - The analyte was positively identified, the quantitation is an approximation.
NS - No standard exists
*+ - LCS and/or LCSD is outside acceptance limits, high biased.

Table 3 - MW-15 Groundwater Sampling Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Date of Sampling Analyte	NYSDEC AWQ S/GVs (µg/L)	12/28/11	1/29/13	5/9/13	9/10/13	12/30/13	4/18/14	7/14/14	9/26/14	1/2/15	5/12/15	9/23/15	12/22/15	3/22/16	6/16/17	7/16/19	1/18/21	4/1/21	8/16/21	12/2/21	3/24/22	6/15/22	Duplicate - 6/15/22	9/22/22	12/19/22
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (GV)	**5.7 J**	**8.9 J**	**8.3 J**	**12**	**980**	**4.9 J**	**43**	**6.1 J**	**7.6 J**	**37**	**27**	**30**	**61**	ND	ND	**4.5 J**	**23 *+**	ND	ND	ND	ND	ND	ND	**250**
Benzene	1	ND	ND	ND	ND	ND	ND	ND	**0.26 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.93 J**	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	**0.43 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3.0**	**3.0**	ND	ND
Methyl tert-butyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND *+	ND	ND	ND	ND	ND	ND
Methylcyclohexane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7.3**	ND	ND	ND	ND	ND	ND
Toluene		ND	ND	ND	**0.80 J**	ND	ND	ND	**5.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	ND	**0.50 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.90 J**	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CVOCs (excluding acetone)		0	0	0.93	0.8	0	0	0	5.56	0	0	0	0	0	0	0	0	0	9.13	0	0	3.0	3.0	0	0

Notes:
Results are compared to the New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality (AWQ) Standards and Guidance Values (S/GV) for detected analytes only.
* - The principal organic contaminant standard for groundwater of 5 micrograms per liter (µg/L) applies to this substance.
Bold values indicate those detected above method detection limits (MDLs).
Shaded cells indicate values above the NYS AWQ S/GV. Acetone is a common lab contaminant; those cells are not shaded for exceedances.
ND - The analyte was analyzed for, but not detected at or above the MDL.
J - The analyte was positively identified, the quantitation is an approximation.
NS - No standard exists
*+ - LCS and/or LCSD is outside acceptance limits, high biased.

Table 4 - MW-16 Groundwater Sampling Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Date of Sampling Analyte	NYSDEC AWQ S/GVs (µg/L)	12/28/11	1/29/13	5/9/13	9/10/13	12/30/13	4/18/14	7/14/14	9/26/14	1/2/15	5/12/15	9/23/15	12/22/15	3/22/16	6/16/17	7/16/19	1/18/21	4/1/21	8/16/21	12/2/21	3/24/22	6/15/22	9/22/22	12/19/22
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50 (GV)	ND	ND	**4.9 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.4 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (GV)	**5.9 J**	**19**	**24**	**16**	**170**	**7.2 J**	**45**	ND	**28**	**40**	**64**	**44**	**99**	**110**	ND	ND	**21 *+**	**17**	ND	**98**	ND	ND	**500**
Benzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50 (GV)	ND	**1.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	**0.70 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	**5.4**	ND	ND	ND	ND	ND	ND	**2.4**	**3.1**	ND	ND	ND	ND	**6.8**	ND	**0.95 J**	**1.2**	**6.2**	**5.3**	**1.2**	ND	**1.1**	ND
cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	**2.5**	ND	ND	ND	ND	ND	ND	**4.1**	ND	ND	**0.89 J**	**0.65 J**	ND	ND	ND	**0.51 J**	ND	ND	ND	ND	ND
Dibromochloromethane	50 (GV)	ND	**3.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.7**	ND	ND	ND
Methyl tert-butyl ether	10 (GV)	ND	**0.47 J**	ND	ND	**0.32 J**	ND	ND	ND	**0.21 J**	ND	ND	ND	ND	**0.30 J**	ND	ND	ND	ND *+	ND	ND	ND	ND	ND
Methylcyclohexane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	**13**	**6.5**	ND	ND	ND	**1.4**	**7.3**	**39**	**21**	ND	**4.6**	**4.8**	**8.3**	**33**	**2.8**	**2.8**	**7.7**	**7**	**16**	**6.1**	**1.6**	**21**	ND
Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	**2.3**	**2.7**	ND	ND	ND	ND	ND	**1.9 J**	**1.8**	ND	ND	ND	ND	**4.4**	ND	**0.86 J**	**1.4**	**2.9**	**4.1**	ND	ND	**1.2**	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CVOCs (excluding acetone)		20.7	14.87	7.4	0	0.32	1.4	7.3	43.3	26.11	4.1	4.6	4.8	9.19	44.2	2.8	4.61	10.3	16.61	25.4	7.3	4.3	23.3	0

Notes:
Results are compared to the New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality (AWQ) Standards and Guidance Values (S/GV) for detected analytes only.
* - The principal organic contaminant standard for groundwater of 5 micrograms per liter (µg/L) applies to this substance.
Bold values indicate those detected above method detection limits (MDLs).
Shaded cells indicate values above the NYS AWQ S/GV. Acetone is a common lab contaminant; those cells are not shaded for exceedances.
ND - The analyte was analyzed for, but not detected at or above the MDL.
J - The analyte was positively identified, the quantitation is an approximation.
NS - No standard exists
*+ - LCS and/or LCSD is outside acceptance limits, high biased.

Table 5 - MW-17 Groundwater Sampling Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Date of Sampling / Analyte	NYSDEC AWQ S/GVs (µg/L)	1/29/13	5/9/13	9/10/13	12/30/13	4/18/14	7/14/14	9/26/14	1/2/15	5/12/15	9/23/15	12/22/15	3/22/16	6/16/17	7/16/19	1/18/21	4/1/21	8/16/21	12/2/21	3/23/22	6/15/22	9/22/22	12/19/22
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50 (GV)	ND	**6.7 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (GV)	**7.7 J**	**23**	**16**	**970**	**11**	**45**	**4.8 J**	**13**	**71**	**45**	**31**	**44**	**29**	ND	ND	ND	**12**	ND	ND	ND	ND	**710**
Benzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND *	ND *	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	**0.90 J**	**0.39 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.93 J**	**1.1 J**	**1.3 J**	**0.46 J**	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	ND	ND	ND	ND	**5.5**	**0.92 J**	**5.2**	**1.7**	ND	ND	ND	**11**	ND	**6**	**2.3**	**4.6**	**6.7**	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	**1.7**	ND	ND	ND	ND	ND	ND	**3.6**	ND	ND	ND	**1.3**	ND	ND	ND	**0.73 J**	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.3**	ND	ND
Methyl tert-butyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND *+	ND	ND	ND	ND	ND
Methylcyclohexane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.1 J**	ND	ND	ND	ND	ND	ND
Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	ND	**2.5**	**1.8**	**28**	**19**	**21**	**15**	**1.8**	**9.8**	**5.9**	**20 F1**	**1.4**	**14**	**5**	**14**	**4.2**	**7.4**	ND	ND	ND	ND
Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	ND	ND	ND	**2.7**	**0.55 J**	**2.3**	**0.85 J**	ND	ND	ND	**5.5**	ND	**3.3**	**1.3 J**	**2.9**	**19**	**2.0**	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CVOCs (excluding acetone)		0.9	8.79	2.5	1.8	36.2	20.47	28.5	17.55	5.4	9.8	5.9	36.5	1.4	24.2	9.7	23.9	31.09	9.4	0	2.3	0	0

Notes:
Results are compared to the New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality (AWQ) Standards and Guidance Values (S/GV) for detected analytes only.
* - The principal organic contaminant standard for groundwater of 5 micrograms per liter (µg/L) applies to this substance.
Bold values indicate those detected above method detection limits (MDLs).
Shaded cells indicate values above the NYS AWQ S/GV. Acetone is a common lab contaminant; those cells are not shaded for exceedances.
ND - The analyte was analyzed for, but not detected at or above the MDL.
J - The analyte was positively identified, the quantitation is an approximation.
NS - No standard exists
*+ - LCS and/or LCSD is outside acceptance limits, high biased.

Table 6 - MW-5M Groundwater Sampling Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Date of Sampling / Analyte	NYSDEC AWQ S/GVs (µg/L)	10/25/10	1/6/11	3/31/11	6/28/11	10/6/11	12/28/11	1/29/13	1/29/13 - Duplicate	5/9/13	9/10/13	12/30/13	7/17/19	1/18/21	4/1/21	Duplicate - 8/16/21	8/16/21	12/2/21	Duplicate - 12/2/2021	3/23/22	Duplicate - 3/23/22	6/15/22	9/22/22	12/19/22	Duplicate - 12/19/22
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (GV)	<10	<10	**13**	**20**	**34**	**5.9 J**	**8.4 J**	**9.4 J**	**9.9 J**	**14**	**570**	ND	ND	**30 *+**	ND	ND	ND	ND	ND	ND	ND	ND	**380**	**400**
Benzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	<5	<5	<5	<5	<5	<5	<0.81	<0.81	<0.81	<0.81	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3.5**	ND	ND	ND
Methyl tert-butyl ether		<5	<5	<5	<5	<5	<5	<0.16	<0.16	<0.16	<0.16	<10	ND	ND	ND	ND *+	ND *+	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		<5	**9.2**	<5	<5	<5	<5	<0.44	<0.44	<0.44	<0.44	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	<5	<5	<5	<5	<5	<5	<0.36	<0.36	<0.36	<0.36	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	<5	<5	<5	<5	<5	<5	<0.46	<0.46	<0.46	<0.46	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CVOCs (excluding acetone)		0	9.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5	0	0	0

Notes:
Results are compared to the New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality (AWQ) Standards and Guidance Values (S/GV) for detected analytes only.
* - The principal organic contaminant standard for groundwater of 5 micrograms per liter (µg/L) applies to this substance.
Bold values indicate those detected above method detection limits (MDLs).
Shaded cells indicate values above the NYS AWQ S/GV. Acetone is a common lab contaminant; those cells are not shaded for exceedances.
ND - The analyte was analyzed for, but not detected at or above the MDL.
J - The analyte was positively identified, the quantitation is an approximation.
NS - No standard exists
F - Analyte was positively identified above the MDL, however the concentration is below the reporting limit (RL).
*+ - LCS and/or LCSD is outside acceptance limits, high biased.

Table 7 - MW-6S Groundwater Sampling Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Date of Sampling / Analyte	NYSDEC AWQ S/GVs (µg/L)	8/20/10	10/25/10	1/6/11	3/31/11	6/28/11	10/6/11	12/28/11	1/29/13	7/17/19	1/18/21	4/1/21	8/16/21	12/2/21	3/23/22	6/15/22	9/22/22	12/19/22
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	50 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50 (GV)	<10	<10	<10	<10	**16**	**26**	**5.5 J**	**8.2 J**	ND	NA	NA	NA	NA	NA	NA	NA	NA
Benzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5*	<5	<5	<5	<5	<5	<5	<5	<0.81	ND	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether		<5	<5	<5	<5	<5	<5	<5	<0.16	ND	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride		<5	<5	**9.0**	<5	<5	<5	<5	<0.44	ND	NA	NA	NA	NA	NA	NA	NA	NA
Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5*	<5	<5	<5	<5	<5	<5	**1.7**	**0.86 J**	**1.1**	NA	NA	NA	NA	NA	NA	NA	NA
Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5*	<5	<5	<5	<5	<5	<5	<5	<0.46	ND	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes, Total		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Total CVOCs (excluding acetone)		0	0	9	0	0	0	1.7	0.86	1.1	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Results are compared to the New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality (AWQ) Standards and Guidance Values (S/GV) for detected analytes only.
* - The principal organic contaminant standard for groundwater of 5 micrograms per liter (µg/L) applies to this substance.
Bold values indicate those detected above method detection limits (MDLs).
Shaded cells indicate values above the NYS AWQ S/GV. Acetone is a common lab contaminant; those cells are not shaded for exceedances.
F - Analyte was positively identified above the MDL, however the concentration is below the reporting limit (RL).
J - The analyte was positively identified, the quantitation is an approximation.
NA - Not analyzed.
ND - The analyte was analyzed for, but not detected at or above the MDL.
NS - No standard exists.

Table 8 - MW-6M Groundwater Sampling Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Date of Sampling / Analyte	NYSDEC AWQ S/GVs (µg/L)	8/20/10	10/25/10	1/6/11	3/31/11	6/28/11	6/28/2011 - Duplicate	10/6/11	12/28/11	5/9/13	9/10/13	12/30/13	7/17/19	1/18/21	4/1/21	8/16/21	12/2/21	3/23/22	6/15/22	9/22/22	12/19/22
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (GV)	<10	<10	<10	**31**	**24**	**26**	**27**	**4.6 J**	**16**	**12**	**4.6**	ND	ND	**13 *+**	**5.1 J**	ND	**190**	ND	**80**	**370**
Benzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.43 J**	ND	ND	ND	ND	ND
Dibromochloromethane	50 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.5**	ND	ND
Methyl tert-butyl ether		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	ND	ND	ND	ND *+	ND	ND	ND	ND	ND
Methylcyclohexane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride		<5	<5	**8.5**	<5	<5	<5	<5	<5	<5	<5	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	<5	<5	<5	<5	<5	<5	<5	**1.3**	**1.7**	**1.2**	**0.97 J**	**0.98 J**	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CVOCs (excluding acetone)		0	0	8.5	0	0	0	0	1.3	1.7	1.2	0.97	0.98	0	0	0.43	0	0	2.5	0	0

Notes:
Results are compared to the New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality (AWQ) Standards and Guidance Values (S/GV) for detected analytes only.
* - The principal organic contaminant standard for groundwater of 5 micrograms per liter (µg/L) applies to this substance.
Bold values indicate those detected above method detection limits (MDLs).
Shaded cells indicate values above the NYS AWQ S/GV. Acetone is a common lab contaminant; those cells are not shaded for exceedances.
ND - The analyte was analyzed for, but not detected at or above the MDL.
J - The analyte was positively identified, the quantitation is an approximation.
NS - No standard exists
*+ - LCS and/or LCSD is outside acceptance limits, high biased.

Table 9 - MW-12 Groundwater Sampling Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Date of Sampling / Analyte	NYSDEC AWQ S/GVs (µg/L)	8/20/10	10/25/10	1/6/11	3/31/11	6/28/11	10/6/11	12/28/11	1/29/13	5/9/13	9/10/13	12/30/13	7/17/19	1/18/21	4/1/21	8/16/21	12/2/21	3/23/22	6/15/22	9/22/22	12/19/22
1,1,1-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F1	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (GV)	ND	ND	ND	**28**	**19**	**29**	**5.3 J**	**13**	**9.2 J**	**28**	**840**	ND	ND	**13 *+ F1**	**9.0 J**	ND	ND	ND	**62**	ND
Benzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
Carbon disulfide		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F1	ND	ND	ND	ND	ND
Chlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50 (GV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F1	ND	ND	**3.4**	ND	ND
Methyl tert-butyl ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F1*+	ND	ND	ND	ND	ND
Methylcyclohexane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5*	ND	ND	**9.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5*	ND	ND	ND	ND	ND	**2.0**	**3.8**	ND	ND	ND	ND	**1.6**	**1.6**	**1.3**	**1.5**	ND	ND	ND	ND	**1.4**
Toluene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5*	ND	ND	ND	ND	ND	ND	ND	ND	**0.56 J**	**0.58 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
Vinyl chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND
Xylenes, Total		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CVOCs (excluding acetone)		0	0	9.6	0	0	2	3.8	0	0.56	0.58	0	1.6	1.6	1.3	1.5	0	0	3.4	0	1.4

Notes:
Results are compared to the New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality (AWQ) Standards and Guidance Values (S/GV) for detected analytes only.
* - The principal organic contaminant standard for groundwater of 5 micrograms per liter (µg/L) applies to this substance.
Bold values indicate those detected above method detection limits (MDLs).
Shaded cells indicate values above the NYS AWQ S/GV. Acetone is a common lab contaminant; those cells are not shaded for exceedances.
*+ - LCS and/or LCSD is outside acceptance limits, high biased.
F1 - MS and/or MSD recovery exceeds control limits.
F2 - MS/MSD RPD exceeds control limits.
J - The analyte was positively identified, the quantitation is an approximation.
ND - The analyte was analyzed for, but not detected at or above the MDL.
NS - No standard exists.

Table 10 - Emerging Contaminants Groundwater Results
Bedford Village Wells - Hunting Ridge Mall
NYSDEC Site No. 3-60-009

Analytes	NYSDEC PFAS Guidelines	Monitoring Well ID and Sample Date																							
		MW-14								MW-3MR								FIELD BLANK							
		1/18/2021	4/1/2021	8/16/2021	12/2/2021	3/23/2022	6/15/2022	9/22/2022	12/19/2022	1/18/2021	4/1/2021	8/16/2021	12/2/2021	3/24/2022	6/15/2022	9/22/2022	12/19/2022	1/18/2021	4/1/2021	8/16/2021	12/2/2021	3/23/2022	6/15/2022	9/22/2022	12/19/2022
Perfluoroalkane Sulfonic Acids																									
Perfluorobutane sulfonic acid (PFBS)	100	**4.3**	**3.5**	**4.7**	ND	**2.9**	**6.4**	NA	ND	**1.2 J**	**1.4 J**	**1.4 J**	ND	ND	ND	NA	**2**	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorohexane sulfonic acid (PFHxS)	100	**2.2**	**2.6**	**3.0**	ND	**2.7**	**4.7**	NA	ND	**2.5**	**2.6**	**3.1**	**2.2**	**2.1**	**2.4**	NA	**3.2**	ND	ND	ND	ND	ND	ND	NA	ND
Perfluoroheptane sulfonic acid (PFHpS)	100	**0.63 J**	**0.43 J**	**0.76 J**	NA	NA	ND	NA	ND	**0.29 J**	**0.52 J**	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	ND	NA	ND
Perfluorooctane sulfonic acid (PFOS)	10	**57**	**48**	**60**	**28**	**58**	**82**	NA	**23**	**23**	**27**	**24**	**19**	**18**	**20**	NA	**27**	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorodecane sulfonic acid (PFDS)	100	ND	ND	ND	NA	NA	ND	NA	ND	ND F1	ND	ND	NA	NA	**2.6**	NA	**3.7**	ND	**0.31 J**	ND	NA	NA	ND	NA	ND
Perfluoroalkane Carboxylic Acids																									
Perfluorobutanoic acid (PFBA)	100	**4.4 J**	**4.3 J**	**7.4**	NA	NA	**14**	NA	ND	**2.6 J**	**3.3 J**	**3.0 J**	NA	NA	**2.5**	NA	**3.6**	ND	ND	ND	NA	NA	ND	NA	ND
Perfluoropentanoic acid (PFPeA)	100	**15**	**8.8**	**16**	NA	NA	**21**	NA	**7.3**	**6.7**	**7.7**	**7.8**	NA	NA	**6.2**	NA	**9.5**	ND	ND	ND	NA	NA	ND	NA	ND
Perfluorohexanoic acid (PFHxA)	100	**11**	**7.8**	**13**	**7.9**	**14**	**34**	NA	**5.5**	**6.0**	**7.2**	**7.1**	**5.7**	**5.8**	**6.5**	NA	**9.4**	ND	**0.52 J**	ND	ND	ND	ND	NA	ND
Perfluoroheptanoic acid (PFHpA)	100	**5.0**	**2.9**	**5.5**	**2.8**	**5.1**	**8.5**	NA	ND	**2.9**	**3.2**	**3.3**	**2.3**	**2.2**	**2.3**	NA	**3.7**	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorooctanoic acid (PFOA)	10	**11**	**8.8**	**11**	**5.4**	**11**	**17**	NA	**6.5**	**10**	**12**	**12.0**	**9.4**	**9.1**	**8.2**	NA	**13.0**	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorononanoic acid (PFNA)	100	**3.8**	**2.4**	**3.9**	ND	**2.1**	**3.0**	NA	ND	**0.58 J**	**0.55 J**	**0.59 J**	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorodecanoic acid (PFDA)	100	**0.38 J**	**0.46 J**	**0.55 J**	ND	ND	**2.4**	NA	ND	**0.60 J**	**0.70 J**	**0.48 J**	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
Perfluoroundecanoic acid (PFUnA)	100	ND	ND	ND	ND	ND	ND	NA	ND	ND F1	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
Perfluorododecanoic acid (PFDoA)	100	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.84 J**	ND	ND	ND	ND	NA	ND
Perfluorotridecanoic acid (PFTriA)	100	ND	ND	ND F1	ND	ND	ND	NA	ND	ND F1	ND	ND	ND	ND	ND	NA	ND	ND	**1.2 J**	ND	ND	ND	ND	NA	ND
Perfluorotetradecanoic acid (PFTeA)	100	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**1.0 J**	ND	ND	ND	ND	NA	ND
Perfluoroalkyl Sulfonamides																									
Perfluorooctane sulfonamide (FOSA)	100	ND	ND	ND	NA	NA	ND	NA	ND	**4.4**	**4.9**	**4.1**	NA	NA	**4.5**	NA	**3.3**	ND	ND	ND	NA	NA	ND	NA	ND
N-Methyl perfluorooctane sulfonamidoacetic acid	100	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND
N-Ethyl perfluorooctane sulfonamidoacetic acid	100	ND	ND	ND	ND	ND	ND	NA	ND	**3.3 J**	**3.7 J**	**3.3 J**	**2.8**	**2.6**	**2.9**	NA	**3.7**	ND	ND	ND	ND	ND	ND	NA	ND
(n:2) Fluorotelomer Sulfonic Acids																									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	100	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	ND	NA	ND
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	100	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	ND	NA	ND

Notes:

*50 ug/L is the maximum contaminant level for unspecified organic compounds, which applies to 1,4-dioxane

Detected concentrations are in bold font.

Detections exceeding the US EPA HAL of 70 ng/L for either PFOA, PFOS or a combination of both are highlighted in gray.

Detections exceeding the NYSDEC Guidance levels, or if a combination of non-PFOS/non-PFOS level exceed 500 ng/L, will be highlighted gray.

F1 - MS and/or MSD recovery exceeds control limits.

J -Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

NA - Not analyzed

ND - Not Detected at the reporting limit (or MDL or EDL if shown).

NS - No HAL exists

Units are in ng/L (nanograms/liter)

Appendix D: Bedford Village Water Improvement Project Report

MALCOLM PIRNIE

BEDFORD VILLAGE WATER DISTRICT IMPROVEMENT PROJECT
SITE NO. 3-60-006/009
CONTRACT NO. D003429

Submitted to:

NEW YORK STATE DEPARTMENT OF CONSERVATION
Bureau of Construction Services
Division of Hazardous Waste Remediation
50 Wolf Road
Albany, NY 12233

Prepared by:

MALCOLM PIRNIE, INC.
104 Corporate Park Drive
White Plains, New York 10602

NOVEMBER 1999

Printed on Recycled Paper

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BEDFORD VILLAGE WATER DISTRICT IMPROVEMENT PROJECT
SITE NO. 3-60-006/009
CONTRACT NO. D003429

FINAL REMEDIAL REPORT

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BEDFORD FARMS WATER SUPPLY
NYS SITE NO'S. 3-60-006/009
PROPERTY CONNECTIONS

TAX MAP NO.	ADDRESS	TAX MAP NO.	ADDRESS
84.07-1-10	644 Old Post Road	84.13-1-12	11 Locust Drive
84.07-1-11	640 Old Post Road	84.13-1-15	848 South Bedford Road
84.07-1-12	618-634 Old Post Road	84.13-1-16	848 South Bedford Road
84.07-2-05	633 Old Post Road	84.13-1-17	336 Old Post Road
84.07-2-06	625 Old Post Road	84.14-1-02	412 Old Post Road
84.07-2-12	30 Court Road	84.14-2-03	9 Vinton Avenue
84.07-2-13	38 Court Road	84.14-2-04	17 Vinton Avenue
84.07-2-19	45 Court Road	84.14-2-05	21 Vinton Avenue
84.07-2-30	31 Court Road	84.14-2-33	25 Vinton Avenue
84.07-2-31.1	21 Court Road	84.14-2-34	20 Vinton Avenue
84.07-2-32	11 Court Road	84.14-2-35	21 Lake Avenue
84.07-2-37	40 Village Green	84.14-2-36	17 Lake Avenue
84.07-2-38	38 Village Green	84.14-2-37	11 Lake Avenue
84.07-2-39	34 Village Green	84.14-2-38	16 Vinton Avenue
84.07-2-40	32 Village Green	84.14-2-39	12 Vinton Avenue
84.07-2-41	2-24 Village Green	84.14-2-40	9 Lake Avenue
84.07-2-41.1	30 Village Green	84.14-2-41	5 Lake Avenue
84.07-2-43	3-7 Court Road	84.14-2-42	8 Vinton Avenue
84.07-2-44	615 Court Road	84.14-2-43	2 Vinton Avenue
84.07-2-45	617 Court Road	84.14-2-44	1 Lake Avenue
84.09-1-05	416-418 Old Post Road	84.14-2-48	12 Lake Avenue
84.10-1-27	454 Old Post Road	84.14-3-02	287 Old Post Road
84.10-1-28	452 Old Post Road	84.14-3-03	289 Old Post Road
84.13-1-11	3 Locust Drive		

Tax Map No.	Address	Owner (now or formerly)
84.07-1-10	644 Old Post Road	Lashins Arcade
84.07-1-11	640 Old Post Road	Gordon
84.07-1-12	618-634 Old Post Road	BOB Associates
84.07-2-05	633 Old Post Road	Bedford Village Playhouse
84.07-2-06	625 Old Post Road	Banks Building LLC
84.07-2-12	30 Court Road	Domenocal
84.07-2-13	38 Court Road	Neuschel
84.07-2-19	45 Court Road	Bedford Central School District
84.07-2-30	31 Court Road	McCabe
84.07-2-31.1	21 Court Road	Belshaw
84.07-2-32	11 Court Road	Jacobsen
84.07-2-37	40 Village Green	Bedford Historical Society (Post Office)
84.07-2-38	38 Village Green	Bedford Historical Society
84.07-2-39	34 Village Green	Bedford Village Fire District
84.07-2-40	32 Village Green	Bedford Historical Society (Library)
84.07-2-41	2-24 Village Green	Bedford Village Associates
84.07-2-41.1	30 Village Green	Bixler, Jr.
84.07-2-43	3-7 Court Road	Bedford Village Association
84.07-2-44	615 Court Road	Bedford Historical Society (Court House)
84.07-2-45	617 Court Road	Bedford Historical Society
84.09-1-05	416-418 Old Post Road	Sunnyfield Farms
84.10-1-27	454 Old Post Road	Vitti
84.10-1-28	452 Old Post Road	Stuke
84.13-1-11	3 Locust Drive	Boks
84.13-1-12	11 Locust Drive	Zolotorofe
84.13-1-15	848 South Bedford Road	Ragonese
84.13-1-16	848 South Bedford Road	Ragonese
84.13-1-17	336 Old Post Road	Gomez
84.14-1-02	412 Old Post Road	Perennial Gardens
84.14-2-03	9 Vinton Avenue	Gallagher
84.14-2-04	17 Vinton Avenue	Walsh
84.14-2-05	21 Vinton Avenue	Palmer
84.14-2-33	25 Vinton Avenue	Gray
84.14-2-34	20 Vinton Avenue	Leshin
84.14-2-35	21 Lake Avenue	Carey
84.14-2-36	17 Lake Avenue	Jackson
84.14-2-37	11 Lake Avenue	Mattfeldt
84.14-2-38	16 Vinton Avenue	Mazurak
84.14-2-39	12 Vinton Avenue	Kurzwell
84.14-2-40	9 Lake Avenue	Lockyer
84.14-2-41	5 Lake Avenue	Schembri
84.14-2-42	8 Vinton Avenue	McEleney
84.14-2-43	2 Vinton Avenue	Hilton
84.14-2-44	1 Lake Avenue	Sorio
84.14-2-48	12 Lake Avenue	Mullaney
84.14-3-02	287 Old Post Road	WARC Properties, Inc.
84.14-3-03	289 Old Post Road	WARC Properties, Inc.

FEB 28 2000
CONSTRUCTION

Post-it® Fax Note 7671 | Date 2/28/00 | # of pages ▶ 2

To GERARD BURKE	From JIM HAYNES
Co./Dept.	Co.
Phone #	Phone #
Fax # 518-457-7743	Fax #

1.0 INTRODUCTION

1.1 BACKGROUND

The Bedford Water Supply Site (Registry No. 3-60-006/009) is located in the Town of Bedford (Town), Westchester County, New York. In 1979, the Westchester County Health Department (WCHD) conducted a private well drinking water study. The results of this study indicated that groundwater supply drinking water wells in an area in Bedford had been contaminated by a local dry cleaning establishment.

In 1983, the WCHD identified contaminated wells at the Huntington Ridge Mall. Subsequent sampling by the WCHD, the New York State Department of Environmental Conservation (NYSDEC), and the U.S. Environmental Protection Agency (EPA) confirmed the presence of volatile organic compounds, consisting primarily of tetrachloroethene (PCE), trichloroethene (TCE), and 1,2-dichlorethene(DCE), in water supply wells at the Huntington Ridge Mall and the Shopping Arcade at levels exceeding New York State Department of Health Standards.

In 1987, the NYSDEC engaged Dvirka and Bartilucci to conduct a remedial investigation/feasibility study (RI/FS) as the first step towards corrective action under the State Superfund Program. At the conclusion of the RI/FS, the NYSDEC prepared a Record of Decision (ROD) for the site which documented the threat posed to human health and the environment and presented alternatives considered for site remediation. The ROD also called for providing a permanent water supply to residents whose wells were contaminated, and determined that the most economical way of doing this was to expand the Bedford Water District to include those properties using private wells within the impacted area. These private wells were to be abandoned and Town water service was to be connected under a water district improvement project.

Consequently, the NYSDEC entered into an agreement with the Town of Bedford (Contract No. D300272) which provided for the purchase of an existing water source, appropriate

upgrades, and the design of the water distribution system. Under contract with the Town, Hahn Engineering developed the design and prepared the contract documents for the Bedford Farms Water District Improvement Project. The scope of this design included the installation of a new water supply well, upgrading of an existing pump house, installation of a new water main, and water service connections for residences and businesses.

The Contract was awarded to Bilotta Construction Corporation (Bilotta) through a competitive bidding process. Construction activities commenced in July 1996 (mobilization on July 8, 1996). Bilotta was granted substantial completion for the project construction in November 1997.

The NYSDEC Division of Hazardous Waste Remediation assigned Malcolm Pirnie, Inc., (Malcolm Pirnie) Work Assignment (WA) D002852-16, dated March 4, 1996, to provide construction oversight and construction management services for the duration of the project. This report presents a summary of Malcolm Pirnie's construction oversight and management activities including:

- Descriptions, causes and solutions for all variations from the Contract Documents.
- Record Drawings.
- Recommendations for future investigation/remediation of the site.
- Certification that the Contract was completed in accordance with the Contract Documents.

2.0 SUMMARY OF WORK

2.1 ORIGINAL CONTRACT SCOPE

The original contract scope issued by NYSDEC was developed by Hahn Engineering. The original contract scope included the following:

- Installation of a new water supply well.
- Rehabilitation of the existing Bedford Farms Pump House Located on Farms Road and Route 22.
- Installation of approximately 1.5 miles of 8-inch diameter water main extending from the Huntington Ridge Mall on Route 22, northward to the Bedford Arcade.
- Connection of homes and businesses (31) to the new water distribution system with disconnection of there private wells.

2.2 SUMMARY OF WORK PERFORMED

Malcolm Pirnie performed construction management and field construction inspection services for the Bedford Farms Water Improvement Project. These two tasks along with additional out-of-scope services constitute the work performed by Malcolm Pirnie for this project.

The major construction management office tasks consisted of the following:

- Reviewed Contractor submittals, including shop drawings and samples, for compliance with the contract documents.
- Prepared agendas and meeting minutes for progress meetings.
- Functioned as liaison between the Contractor and NYSDEC.
- Functioned as liaison between the Contractor and the Design Engineer.
- Reviewed contractors quantities and approved monthly applications for payment.
- Assisted in the preparation of change orders.

Malcolm Pirnie also provided full time field inspection services, including the following:

- Monitoring the Contractor's work to ensure the project was constructed in accordance with the project plans and specifications.
- Issuing field orders to the Contractor when necessary.
- Conducting on-site bi-weekly progress meetings.

A photolog showing the sequence of construction work is presented in Appendix A. Daily field logs for the duration of the field inspection work are presented in Appendix B.

2.3 OUT-OF-SCOPE SERVICES

Malcolm Pirnie also provided out-of-scope services, at the request of the NYSDEC Project Manager Gerard Burke. These out-of-scope services consisted of the following work items:

- Coordination and routing of water service connections. At the request of NYSDEC, Malcolm Pirnie performed a field survey of every house scheduled to be connected for water service. Malcolm Pirnie contacted and met with each property owner or owner representative to discuss water service routing. Malcolm Pirnie submitted suggested routing, including sketches to the NYSDEC. Existing conditions of properties were documented using the form developed for this task, and provided photo-documentation of existing conditions of properties prior to water service connection.

- In addition to coordinating the house connections, Malcolm Pirnie investigated options and made recommendations concerning the most feasible route for water service connection for the Court House located on Old Post Road.

- After the field surveys, Malcolm Pirnie drafted a notification letter to home/business owners regarding final layout of water service connections. Malcolm Pirnie personnel hand delivered water service connection notification letters to all home/business owners, and scheduled appointments for water service connections via telephone calls to property owners.

- Malcolm Pirnie prepared laminated placards stating "Non-Potable Water, Not For Drinking Water Purposes", which were placed on the disconnected well lines after houses and business

were connected to the new water service.

- Water sampling of new well no. 2 by the Westchester County Department of Health (DOH) revealed the presence of tetrachloroethene. Malcolm Pirnie along with Bilotta Construction, Hahn Engineering and the NYSDEC, met with the DOH on January 21, 1998, to discuss the situation. It was decided that the Town would switch to the original well and the new well would be further monitored by DOH. As a result of this additional monitoring, it was determined that a treatment system for the new well was necessary. Hahn Engineering, under separate contract with the NYSDEC, designed an air stripping unit for treatment of volatile organic compounds. This system was installed under a separate contract and is currently operational.

3.0 VARIATIONS FROM THE CONTRACT DOCUMENTS

3.1 EXPANDED CONTRACT SCOPE

The original construction contract scope outlined in Section 2.1 was subsequently expanded to include installation of an additional 200 feet of 8-inch water main on Old Post Road (Route 22) at the north end of the project site and the Arcade Building service connection; six additional service connections on Court Road; and an addition 1/3 mile of 8-inch water main extending to Locust Avenue off Route 172, and connection of an additional six homes and businesses. With these changes, the total number of service connections to the new water supply system increased from 31 to 44.

3.1.1 Village Playhouse and Arcade Extension

In November 1996, the Contractor was given notification to proceed with the installation of approximately 200 linear feet of 8-inch Class 54 Ductile Iron Pipe (DIP) water main at Old Post Road in the Town of Bedford. The purpose of this additional water main was to extend the main approximately 50 feet north of the Village Playhouse (643 Old Post Road) and connect with the existing water main at the intersection of Route 22 and Court Road.

This extension was needed to provide an accessible water main for the Arcade Building, the Village Playhouse, and 625-629 Old Post Road Building water service line connections. The Contract Documents indicated that the service lines for the Village Playhouse and the 625-629 Old Post Road Building were to connect to the water main installed on Court Road. During a survey conducted by Malcolm Pirnie and the Contractor's plumbing subcontractor, Bee & Jay Plumbing, to stake-out the proposed water line services for these buildings, it was observed that the Contract Documents did not address the connections of these buildings to the new water service line. The NYSDEC, Malcolm Pirnie, and Hahn Engineering agreed that extending the water main on Old Post

Road and installing the water services to the extended main would be a more feasible and cost effective approach to the issue. The Arcade Building was not originally scheduled for connection to the new water supply system.

Connection of the Village Playhouse also required larger piping than originally intended to provide the level of fire protection required by the Town and water service to the apartments above the theater. The location and size of the internal plumbing and connection points dictated the use of a 4-inch pipe and associated valves and fittings from the main to the building.

3.1.2 Court Road Extension

The NYSDEC, the Town of Bedford, Hahn Engineering, and Malcolm Pirnie in November 1996, based on new information about the location and movement of the contaminant plume, agreed that six additional properties which were not included in the Contract Documents would be connected to the new water service. These additional properties included the following:

- 38 Court Road
- 30 Court Road
- 45 Court Road (Bedford Village Elementary School)
- Jackson House (Corner of Court Road and Route 22)
- 7 Court Road (Antique Store)
- 3 Court Road

A 1-inch copper service line was installed from the water main on Court Road to the school; however, at the school's request, the building was not disengaged from its existing water supply and connected to the new water service. It was anticipated that final connections would be coordinated directly by the school.

3.1.3 Shell Extension

The Shell service station located on the southwest corner of Route 172 and Route 22 (848 Old Post Road), south of the project site, had been supplying carbon filter units to nearby residents

whose drinking water wells had been impacted by Shell's activities. During the course of the water main installation work, the owners of Shell approached NYSDEC about connection of these properties under the Bedford Farms Water District Improvement Project contract. Shell and NYSDEC reached an agreement whereby the water main installation would be extended from the Huntington Ridge Mall south along Route 22 to Locust Road off Route 172, and an additional six properties would be connected to the new water service. The cost of this additional work was borne by Shell.

The Shell Extension work included the installation of an additional 1,760 linear feet of 8-inch Class 54 Ductile Iron Pipe (DIP) water main. Additional service connections included the following:

- Shell Station
- 289 Old Post Road
- 287 Old Post Road
- 336 Old Post Road
- 3 Locust Road
- 11 Locust Road

The Shell Extension work also necessitated additional traffic control and site restoration, as well as an extension of the time that the Engineer's field trailer had to be maintained at the site.

3.2 FIELD AND OTHER CHANGES

3.2.1 Rerouting Water Main to Avoid Existing Utilities

While verifying field conditions at the start of inspection services, Malcolm Pirnie personnel discovered that there were underground telephone lines located along the east shoulder of Route 22 immediately south of the Village Green. The Contract Drawings indicated that the new water main was to be routed through this same area. Consequently, the water main had to be rerouted from the location proposed in the Contract Drawings to avoid these existing utilities.

Malcolm Pirnie investigated several options for resolving this issue. These options included the following:

- *Shifting the Main*: Install the main in the east shoulder of Route 22 but shift its location east further away from the edge of road.
- *Relocating the Existing Utilities*: Install the main as proposed and relocate the existing telephone lines.
- *Relocating the Main*: Install the main in a location other than the east shoulder of Route 22.

Field investigations revealed that keeping the proposed water main in the east shoulder and shifting it further away from the edge of road was not an option due to the numerous obstructions located in this area. This area contained telephone poles, rock walls, and rock outcrops which suggested that rock would likely be encountered during trench excavation. Further, avoiding these obstacles would require installation of the main outside the boundaries of the Route 22 right-of-way on private property.

Malcolm Pirnie contacted NYNEX to discuss the possibility of relocating the telephone lines. NYNEX indicated that the lines in question were major feed lines for the area and that relocation of the telephone lines could not be completed in a short time frame. This was not a feasible alternative since relocation of the lines would significantly delay the completion of the project.

Relocation of the main from the east shoulder of Route 22 to the west shoulder of Route 22 (northbound Route 22) north of Washington Street to just north of South Brook Road was the selected alternative. Hahn Engineering developed plans for the revised routing. Because of limited distance between the edge of road and the base of a retaining wall located to the north of South Brook Road, the water main in the vicinity of the retaining wall was routed through the south bound travel lane of Route 22 for approximately 200 linear feet. Malcolm Pirnie contacted the New York State Department of Transportation (NYSDOT) to discuss requirements for installation of the main in the roadway. These requirements were summarized in a letter to the Contractor (see Project Files). NYSDOT approval was received, and the Contractor installed the water main in accordance with the revised Contract Drawings. In this area, the water main routing shifted to the west shoulder

of Route 22 to avoid existing utility lines, into the southbound travel lane of Route 22 in the vicinity of the retaining wall, and back to the east shoulder at the Route 22/Route 172 split at the Village Green. From there, the water main followed along the original layout.

3.2.2 House Connections

Many of the service lines for the individual properties were not installed as indicated on plans. The Contract Drawings did not address specific field conditions and noted that service line routing was to be determined in the field. Malcolm Pirnie and the Contractor worked together with the individual property owners to determine the best route. Field conditions affecting route included septic system location, presence of bedrock, and internal plumbing connection points. Malcolm Pirnie submitted sketches of the recommended home service line routings to NYSDEC.

Field conditions also impacted the size of the copper tubing used for the service lines. The original contract specified 3/4-inch diameter copper tubing for all of the service lines to private homes. Due to site conditions at some of the residences, 1-inch diameter copper tubing needed to be installed at several locations (see Project Files for specific addresses).

3.2.3 Fire Hydrants

After the award of the project, the Town of Bedford indicated that fire hydrants were necessary for the protection of persons and property. The NYSDOH supported this position, and the NYSDEC agreed that fire protection would be included in the contract. Consequently, fire hydrants were installed every five hundred feet of pipe laid, and due to pipe layout changes resulting from field conditions, an additional hydrant was installed in the Bedford village area. A total of 18 hydrants for the total contract work.

Installation of the hydrants also necessitated the installation of 6-inch gate valves at each hydrant. The gate valves were installed to shut off flow to the hydrants during required maintenance.

3.2.4 Trench Crossing of Route 22

The original contract specified that steel and copper piping be installed across Route 22 via pipe jacking techniques. To save time and money, the NYSDEC and NYSDOT gave approval for the Contractor to use open trench cuts for all Route 22 crossings as a substitute for pipe jacking.

3.2.5 Changes to Accommodate Pump House Area Construction

There were several changes in materials, quantities, and methodologies from those specified in the Contract Documents, not required as a result of a change in project scope but necessary to accommodate construction at the Pump House. These include the following:

- *Additional Tree Removal*: The Contract Documents did not specify removal of trees with diameters ranging between 12 and 24 inches. During construction, it was found that a number of trees of this size would need to be removed for installation of the 45,000-gallon storage tanks. A change order was issued to modify the contract pay item for tree removal to include removal of trees 12 to 24 inches in diameter.
- *Increased Temporary Water Supply Storage Capacity*: The Contract Documents required that the Contractor supply a temporary potable water supply system to be used to supply water to the affected community during the time when the Pump House was being retrofitted. This temporary water supply was specified to have a storage capacity of six hours. The Westchester County Department of Health, however, required a standby storage capacity of 24 hours before they would approve the temporary water supply system. To increase the storage capacity from 6 hours to 24 hours, two 6,600-gallon tanks and ancillary hardware were added to the system.
- *Electrical Work*: Additional electrical work was required to connect the new equipment to the existing water system. This additional work included the following:
  - An existing heater could not be salvaged as specified per the original contract, and a new heater had to be purchased and installed.

- Extra probes mounted on the feed and return water pipes were required for the purpose of additional monitoring for the control panel.
- Twin terminal lugs were required for the installation to pass the underwriters electrical inspection.
- The Contract specified single phase wiring; the sump pumps required three phase wiring.

- *Electrical Conduit Trench*: In addition to electrical changes within the Pump House itself, a new utility pole was installed (by NYSEG) at a different location than that which was specified for the project. Consequently, the electrical conduit trench from the pole to the Pump House was longer than originally anticipated. A change order was issued to modify the contract pay item for electrical conduit trench to include additional excavation to accommodate the extended trench length.
- *Structural Integrity Tests*: The Contract Documents required that the tank manufacturer perform structural integrity test on the two 45,000-gallon storage tanks and the hydropneumatic tank 72 hours prior to their delivery to the site. The tests were performed in anticipation of delivery to the site. Due to delays in the work, construction was halted for the winter and the tanks were not delivered. Consequently, three additional tests for structural integrity were required after construction resumed and prior to delivery of the tanks in the 1997 construction season.
- *Additional Well Installation*: The gravel packed well was deeper than originally specified in the Contract Documents. The well was drilled to a depth of 90 feet, but at that point, the drillers did not encounter a water bearing formation adequate to meet production requirements. In order for the well to function as intended, the well depth was increased from 90 feet to 160 feet to accommodate bedrock in the area. The change in depth required a corresponding increase in the installation of well casing from 100 feet to 160 feet.
- *Temporary Emergency Generator*: The Contract Documents required that a 72-hour pump test be performed on the new gravel pack well. At the time the pump test was scheduled, a

major winter storm was predicted for the Westchester County area. The forecasted storm had the potential to disrupt electrical power, which would interfere with the pump test and require that it be rerun. To prevent such an occurrence, an emergency generator was retained for the duration of the test. The cost of the generator was less than performing a second pump test.

- *In-place Abandonment of Transite Pipe*: An existing 4-inch diameter transite pipe at the Pump House originally transmitted water from the Pump House to the existing water main on The Farms Road. The Contract Documents called for this 4-inch pipe to be removed. This action would have required that the water supply system be shut down twice. In addition, the temporary water supply tanks would have to be moved to another location while the pipe was removed. Removal of the transite pipe would also necessitate the use of asbestos removal and disposal abatement measures. For these reasons, NYSDEC and the Town of Bedford agreed that the transite pipe would be abandoned in place. This would reduce the required number of shutdowns from two to one, accommodate the temporary water supply system, and eliminate the need for asbestos abatement.

3.2.6 Repair of Underground Electrical Conduit

Prior to the start of construction, a Code 53 underground utility markout was performed. During excavation work, the Contractor damaged an underground conduit which had not been identified during the Code 53 underground utility markout. Since the damage was not due to Contractor negligence, the cost of repair was not covered under the original contract scope, and a Change Order was issued to cover the cost of repairing the damaged conduit.

3.2.7 Additional Valves

Three additional blow-off valves were required in areas where air has a potential to be trapped. These valves were required as a result of pipe layout changes due to field conditions at Shell, Arcade, and Court road extensions.

3.2.8 Restoration

In addition to the restoration work specified in the Contract Documents, some additional restoration was required to replace some exotic plants at the Bedford Village Library Garden. These plants were destroyed during the installation of the water line to the building.

3.3 CORRECTION PERIOD/POST-CONSTRUCTION ISSUES

The Contract was determined to be substantially complete on September 15, 1997. Contract work was completed on November 18, 1997. The Contract Documents allow for a one year Correction Period, commencing from the date of Substantial Completion. During the Correction Period, the Contractor is responsible for correcting defective work. This section discusses items which required repair or replacement by the Contractor after the date of Substantial Completion. Correction period and post-construction inspection reports are presented in Appendix C.

3.3.1 Tree Replacement

In August 1998, Malcolm Pirnie was advised by Hahn Engineering that several trees installed by the Contractor had not survived the 1997/1998 winter. Malcolm Pirnie directed the Contractor, via letter dated August 28, 1998 and subsequently via facsimile on October 20, 1998, (see Project Files) to replace all plants which had not survived. On November 9, 1998, the Contractor's landscaping subcontractor removed the dead trees and replaced them with new plants in accordance with the landscaping specification. Replaced trees were as follows:

- One red oak (Quercus rubra) located on the west side of the site, just inside the fence line.
- One white pine (Pinus strobus) located in the northwest corner on the site.
- One white pine (Pinus strobus) located just south of the southeast corner of the fence closest to the Farms Road.

3.3.2 Water Meter Reading Discrepancies

In April 1998, Hahn Engineering reported that the Bedford Water Department had discovered a discrepancy between the water meter readings at the Pump House and the individual house meter readings. The Contractor was informed, via letter dated April 3, 1998, and subsequently on April 8, 1998, of his responsibility to assess the cause of the discrepancy and to remedy the problem as appropriate. Subsequently, a leak surfaced in the service line connecting Town of Bedford fire department service line with the main. The leak was repaired on April 22, 1998, by the Contractor's plumbing subcontractor, Bee & Jay Plumbing. Details of the repair are presented in the field reports provided in Appendix C.

The Town took an additional set of readings on April 24 and April 30, which still showed a discrepancy between Pump House readings and house usage readings. Bedford Water Department readings indicated a water loss of approximately 12 gpm. Consequently, an on-site meeting was held on May 12, 1998, between Hahn Engineering, the Bedford Water Department, Bilotta Construction, the NYSDEC and Malcolm Pirnie to discuss the situation and devise a course of action. It was decided that the Contractor would be requested to engage the services of a leak detection company to evaluate possible leaks in the system.

Malcolm Pirnie provided field oversight services on May 20, 1998, for activities undertaken by the leak detection company engaged by the Contractor (New York Leak Detection). New York Leak Detection performed an acoustic survey of the line. This method of leak detection utilizes a listening device, similar to a medical stethoscope, which amplifies the sound of flowing water within the main. This amplifier was placed on all hydrants and service line valves of the new water distribution line, and a trained operator from New York Leak Detection "listened" for leaks. One potential leak was discovered at the curb boxes for 416 and 418 Old Post Road. This leak was located and repaired by Bee & Jay Plumbing on May 29, 1998.

Several additional leaks in the service line were discovered when water surfaced from the ground in the vicinity of the installed service lines. Malcolm Pirnie provided field oversight services

during emergency repairs and prepared field reports, which are presented in Appendix C, for the same. Leaks which were identified and repaired are as follows:

- July 16, 1998 - Historical Court House Building on Route 22
- August 25, 1998 - 12 Lake Street
- September 3, 1998 - 416/418 Old Post Road along driveway.

The Town continued to take water meter readings at regular intervals. These water meter readings continued to show a discrepancy between actual water usage and Pump House water meter readings, but that this discrepancy diminished as the various leaks, discussed above, surfaced and were repaired. Malcolm Pirnie reviewed the water meter readings supplied by the Town to monitor progress toward identifying and correcting the source of the problem. Consequently, Malcolm Pirnie directed the Contractor to undertake a subsequent leak survey. New York Leak Detection performed this second survey on September 16, 1998 to identify further leaks resulting in the continued discrepancy between the water meter readings at the Pump House and the individual house meter readings. The second survey was performed at night in order to minimize potential interference from traffic and general background noise. New York Leak Detection's report for this work stated that two minor valve leaks (which they estimated to be no more than 2 gallons per day total) were located, one at Old Post Road and Crusher Road, and the other at Old Post Road and Pound Ridge Road at the Village Green. The Contractor was informed, via letter dated October 19, 1998, of his responsibility to repair the leaks found during the survey. The Contractor responded via a letter report from New York Leak Detection, dated November 11, 1998, (see Appendix C) that the leaks were minimal and did not warrant repair.

On March 23, 1999, the Town of Bedford Water Department took another set of meter reading. These readings indicated that the discrepancy between the water meter readings at the Pump House and the individual house meter readings was 1 gpm. Hahn Engineering reported, and NYSDEC agreed, that these results were acceptable. It is possible that the discrepancy is due to the minor leaks in conjunction with the accuracy limits of the house meters.

3.3.3 Hydrant Replacement

In April 1997, the fire hydrant which was installed by the Contractor at the Huntington Ridge Shopping Center on Route 22 south was damaged by a motor vehicle accident. In accordance with the Protection of the Work and Material clause of the Special Conditions of the Contract Documents, the Contractor is responsible for repair of damaged equipment, such as the hydrant. The Contractor has not repaired the hydrant, and this issue was included on the punch list for project substantial completion and in subsequent lists of outstanding items to be completed. At the time this report was prepared, the Contractor still had not repaired the hydrant. Malcolm Pirnie was advised by the NYSDEC that the Contractor has declined to repair the hydrant and that the estimated cost of this repair would be subtracted from the retainage by the NYSDEC for the contract.

3.3.4 Pump House Fan and Damper Installation

Part of the work at the pump house included the installation of a fan and damper system. At the time of Substantial Completion, the Contractor had installed the fan but not the damper. This was included on the punch list for project substantial completion and in subsequent lists of outstanding items to be completed. The Contractor's original electrical subcontractor for this work, T.J. Wilson Electrical, alleged that the damper had been stolen from the site on two separate occasions prior to its installation and refused to re-order and install the equipment. Malcolm Pirnie advised the Contractor of his responsibility for site security until the project was turned over to the Town, and that damper installation was required to fulfill the requirements of the Contract.

The Contractor engaged the services of another subcontractor, Phoenix Signal and Electric Corp., to install the damper. Phoenix Signal and Electric proposed a substitution to that specified in the Contract Documents. This substitution included a heavy duty exhaust fan, including motorized damper and adjustable louver, which was larger than the unit specified. Malcolm Pirnie conditionally approved the substitution based on their being no additional cost to the NYSDEC for any modifications required to accommodate the increased size or any additional power requirements. This equipment was installed on July 2, 1998, at no additional cost to the NYSDEC.

3.3.5 Electrical Work for Final Electrical Certification

Malcolm Pirnie received correspondence from Hahn Engineering, dated November 11 and November 24, 1998, concerning the New York State Board of Fire Underwriters inspection for the electrical work at the Pump House. This inspection revealed a number of electrical deficiencies which required correction before a final electrical certification could be issued for the Pump House. This correspondence was forwarded to the Contractor on December 16, 1998.

The Contractor subsequently arranged for Phoenix Signal and Electric Corp. to perform the electrical work, as required, on December 18, 1998. Electrical work performed at this time included the following:

- Heater switches were identified and labeled at the control panel;
- Heat circuit breakers in branch panels were identified with a plate showing 208/120/1 phase;
- The generator ground wire conductor was verified to be sufficient for a 200 A service, and noted as such in a letter dated December 22, 1998, from the electrical subcontractor to the Contractor (see Project Files);
- The steel galvanized conduit was checked to insure proper bonding;
- Receptacles adjacent to the sodium hypochlorite tank were replaced with a single outlet receptacle and protective cover:
- Emergency generator wiring was modified to produce a balanced load between the generator, the branch panel and the transfer switch; and,
- New ballasts and light bulbs were installed.

A subsequent inspection by New York State Board of Fire Underwriters conclude that the electrical work in the pump house was in compliance with National Electrical Code, and a final electrical certification, dated January 25, 1999, was issued for the site.

4.0 CONCLUSION AND RECOMMENDATIONS

4.1 CONCLUSION

The construction for the Bedford Village Water District Improvement Project was Substantially Completed September 15, 1997. The Contract work was completed on November 18, 1997. Work performed included that of the original contract scope and of the expanded contract scope. Operation of the new system was turned over to Town of Bedford on September 15, 1997 (date of switch over of the water supply from the temporary water supply system to new well no. 2).

Portions of the work required repair, replacement, or completion during the correction period which commenced from the date of Substantial Completion. Work which required repair, replacement, or completion and which was adequately addressed by the Contractor during the correction period included the following:

- Trees at the pump house which did not survive the 1997/1998 winter after planting were replaced.
- Leaks at various locations in the service line were repaired.
- The pump house damper, which had not been installed prior to Substantial Completion, was installed in conjunction with a substitute fan and louvre system.
- Deficient electrical work at the pump house was corrected.
- The water meter reading discrepancy decreased as leaks in the new water distribution line were discovered and repaired. Final meter readings taken on March 23, 1999, indicated that this discrepancy was reduced from the original 12 gpm to 1 gpm. Hahn Engineering reported, and NYSDEC agreed, that these results were acceptable. It is possible that this minor discrepancy is attributable to two minor leaks (revealed by New York Leak Detection) in conjunction with the accuracy limits of the house meters.

Work which required repair, replacement, or completion and which the Contractor declined to address during the correction period included the following:

- The damaged hydrant at the Huntington Ridge Mall shopping center on Route 22 was not

repaired. The NYSDEC indicated that the Contractor agreed that the cost for repair of this hydrant will be deducted from the retainage held by the NYSDEC for the contract.

In accordance with the Contract requirements, as-built construction Record Drawings for the project are presented in Appendix D.

4.2 RECOMMENDATIONS FOR FUTURE INVESTIGATION/REMEDIATION

As discussed in Section 2, routine sampling of new well no. 2 (installed under this work) by the Westchester DOH revealed trace levels of tetrachloroethene. Under separate contract, the NYSDEC installed an air stripping unit at the pump house in order to treat the water prior to its entering the distribution system. Given that the new well has shown trace levels of tetrachloroethene, Malcolm Pirnie recommends periodic sampling of the residential wells in order to insure that the contaminant plume has not migrated to other drinking water supplies in the area. Based on the results of this periodic sampling, the need to connect additional residences to the Bedford Farms water supply may require re-evaluation.

4.3 CERTIFICATION

Certification that the contract was completed in accordance with the Contract Documents follows at the end of this Section 4.0.

CERTIFICATION STATEMENT
WORK ASSIGNMENT NO. D002852-16

I hereby certify that to the best of my knowledge, information and belief, the remedial construction work performed at Bedford Village Water Supply Site that has been inspected by my duly authorized representative on a full time basis (8 hours per day, 5 days per week) from July 1996 through November 1997 has been performed and/or materials supplied in accordance with requirements of the Contract Documents provided to us and listed below, except where such requirements were modified under New York State Department of Environmental Conservation-approved change orders also listed below. This certification is based entirely on and expressly limited by the scope of services Malcolm Pirnie has actually performed during this Project under the June 1996 Work Plan for the Bedford Village Water Supply Site, Work Assignment No. D002852-16, and applies only to facts that are within Malcolm Pirnie's knowledge as a result of Malcolm Pirnie's performance of its specific responsibilities under the Work Plan. This certification is not a guarantee or warranty of the Contractor's performance nor an assumption of responsibility for any failure by the Contractor to perform its work as required by the Contract Documents.

Contract Documents:

1. *Specifications for Bedford Farms Water District Improvement Project, Contract #D003429, Project #360000/009, Parts I and II*, James J. Hahn Engineering, October 1995.

2. *Proposed Water Main Extension Project for the Farms Water District*, Contract Drawings, sheets 1 of 3 through 3 of 3, James J. Hahn Engineering, January 23, 1995.

3. *Proposed Pump Station Renovations for the Farms Water District*, Contract Drawings, sheets 1 of 8 through 8 of 8, James J. Hahn Engineering, January 23, 1995.

4. *Work Plan, Village of Bedford Construction Management/Inspection*, Malcolm Pirnie, Inc., June 1996.

5. *Proposed Water Main Extension Project to the Farms Water District for the Shell Oil Company*, Contract Drawing, sheets 1 of 1, James J. Hahn Engineering, August 29, 1996.

6. *Proposed Water Main Extension Project for the Farms Water District*, Contract Drawing, sheets 1 of 1, James J. Hahn Engineering, September 26, 1996.

NYSDEC-Approved Change Orders:

1. Change Order No. 1 - Fire Hydrants

2. Change Order No. 2 - Open trench cutting of Route 22 Water Main instead of pipe jacking across Route 22; 12-inch to 24-inch diameter tree removal; NYSDOT Item 4 backfill, soil testing, and rock excavation trench for shifting force main location into the traffic lane of Route 22; repair of underground electrical conduit not identified by Code 53 utility markout.

3. Change Order No. 3 - Additional service line plumbing; additional temporary potable water supply capacity; additional structural integrity tests for storage tanks; additional blow-off valves; additional fire hydrant; movie house/real estate office connection; twenty 6-inch gate valves; additional drilling and casing.

4. Change Order No. 4 - Shell Oil Extension.

5. Change Order No. 5 - Bid quantity adjustments; additional crushed stone; Shell extension support for additional traffic control, Engineer's trailer, and site restoration; saw cutting pavement to cross Route 22; additional connection at 11 Locust Drive; temporary emergency generator procurement; pump house electrical work to connect new equipment to the existing water system; Bedford Village Library Garden site restoration; Shell Oil gasoline station connection; additional electrical conduit trench excavation; additional 6-inch gate valve; additional thrust blocks; additional service line plumbing; additional 8-inch ductile iron pipe; additional trench crossing of Route 22; additional tree removal; additional Shell Oil extension rock excavation; additional shut-off valve; additional Shell Oil extension 8-inch ductile iron pipe; installation of 12 water meters; liquidated damages.

12/2/99
Date

Malcolm Pirnie, Inc.

MALCOLM PIRNIE

MALCOLM PIRNIE, INC.
INDEPENDENT ENVIRONMENTAL ENGINEERS, SCIENTISTS & CONSULTANTS

December 10, 1999

DEC 14 1999

Mr. Gerard Burke
Project Manager
New York State Department of Environmental Conservation
50 Wolf Road
New York, NY 12233

Re: Bedford Village Water District Improvement Project
Site No. 3-60-006/009
Contract No. D003429

Dear Mr. Burke:

Enclosed are five (5) copies of the Final Remedial Report (Report) for the above referenced project. In accordance with the project Work Plan dated June 1996, the Report provides descriptions, causes, and solutions for variations from the Contract Documents; recommendations for future investigation/remediation at the site; and a certification that the contract was completed in accordance with the Contract Documents. A photolog documenting construction activity, daily inspection logs, post-construction field reports, and copies of the as-built drawings are included as appendices to the Report.

As requested by the NYSDEC, copies of the Report will be forwarded to Hahn Engineering, the Town of Bedford, the Town of Bedford Water Department, and the project repository at the Bedford Village Library.

Also in accordance with the Work Plan, we have provided, under separate cover, the following:

- Original records and project files, including photographs and as-built mylars.
- Microfilm of all files on 16mm roll film M cartridges, a second copy on roll film only, and the microfilm vendor certification that the information is complete and accurate.

At this point, the Bedford Village Water District Improvement Project is complete and we have submitted all files and documentation pertaining to the project to the NYSDEC.

104 CORPORATE PARK DRIVE BOX 751 WHITE PLAINS, NY 10602-0751 914-694-2100 fax 914-694-9286 http://www.pirnie.com

RECYCLED PAPER

MALCOLM PIRNIE

We appreciate having had the opportunity of working with the NYSDEC on this important project. If we may be of further assistance to you, please do not hesitate to contact us.

Very truly yours,

MALCOLM PIRNIE, INC.

Jean-Marie Janos
Project Engineer

G:\0266324\LETTERS\FINAL.WPD

enclosures

c: K. Kaiser
W. Riznychok
A. McManus, BUF
J. Hahn, Hahn Engineering
L. Duwe, Hahn Engineering

Recycled Paper

APPENDIX A

PHOTOLOG



Photo 1
7/16/96, Installation of 8 inch diameter ductile iron water main



Photo 2
7/19/96, Preparation of trench for water main installation



Photo 3
7/22/96, Placement of 8 inch diameter ductile iron water main



Photo 4
7/22/96, 8 inch diameter ductile iron water main installation and backfill



Photo 5
7/29/96, Removal of saw-cut pavement for water main trench excavation



Photo 6
8/21/96, Temporary pavement along completed water main installation on Route 22

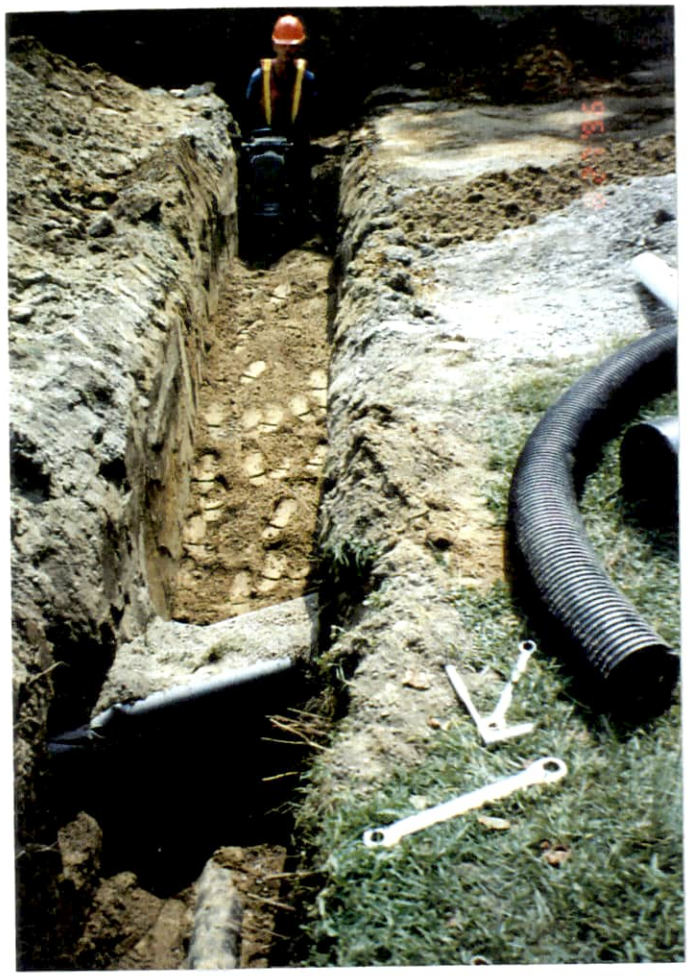


Photo 7
8/23/96, Backfilling of 8 inch water main installed under existing utilities



Photo 8
8/23/96, Backfilling of 8 inch water main installed under existing utilities



Photo 9
9/5/96, 8 inch ductile iron main and bedding material



Photo 10
9/5/96, 8 inch backfilling of water main installation in vicinity of retaining wall on Route 22S



Photo 11
9/5/96, Troxler testing of compacted backfill in vicinity of retaining wall on Route 22S



Photo 12
9/6/96, Excavation of south bound travel lane of Route 22 in vicinity of retaining wall



Photo 13
9/6/96, Temporary pavement along completed water main installation in vicinity of retaining wall along Route 22S

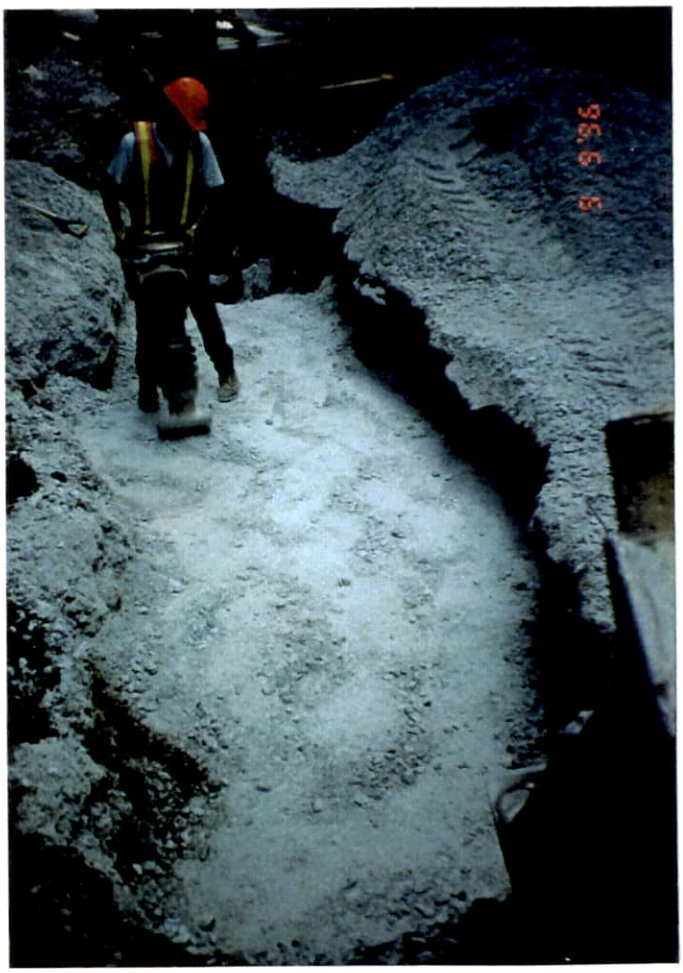


Photo 14
9/9/96, Compaction of backfill material in vicinity of retaining wall on Route 22S



Photo 15
9/12/96, 8 inch water main installation activity in vicinity of retaining wall on Route 22S



Photo 16
9/18/96, Existing utilities encountered during trench excavation



Photo 17
9/19/96, Placement of temporary paving material



Photo 18
9/19/96, 8 inch diameter flanged connection



Photo 19
9/27/96, Excavation at new water main for residential service line connection



Photo 20
9/30/96, Installation of 1 inch diameter copper residential service line



Photo 21
9/30/96, Installation of 1 inch diameter copper residential service line



Photo 22
9/30/96, Trench excavation for residential service line



Photo 23
10/2/96, Trench excavation for residential service line



Photo 24
10/2/96, Existing pump house on Farms Road



Photo 25
10/3/96, Trench excavation
for residential service line



Photo 26
10/8/96, Residential service line installation after backfill and seeding

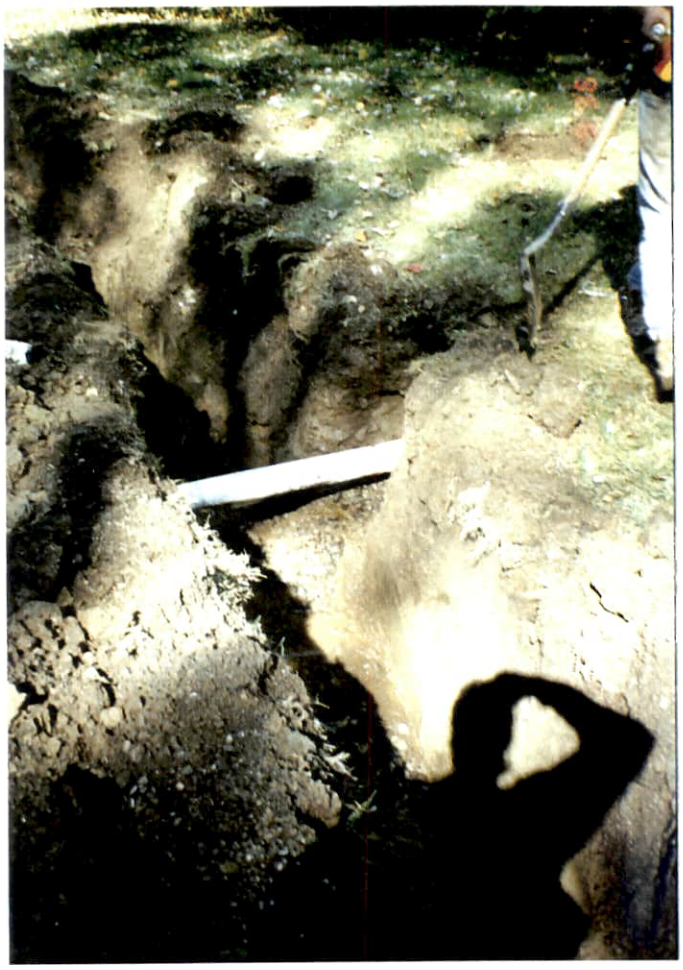


Photo 27
10/9/96, Existing utility line at residential service line trench



Photo 28
10/18/96, Trench excavation for residential service line



Photo 29
10/18/96, 4 inch diameter copper service lines and existing utilities

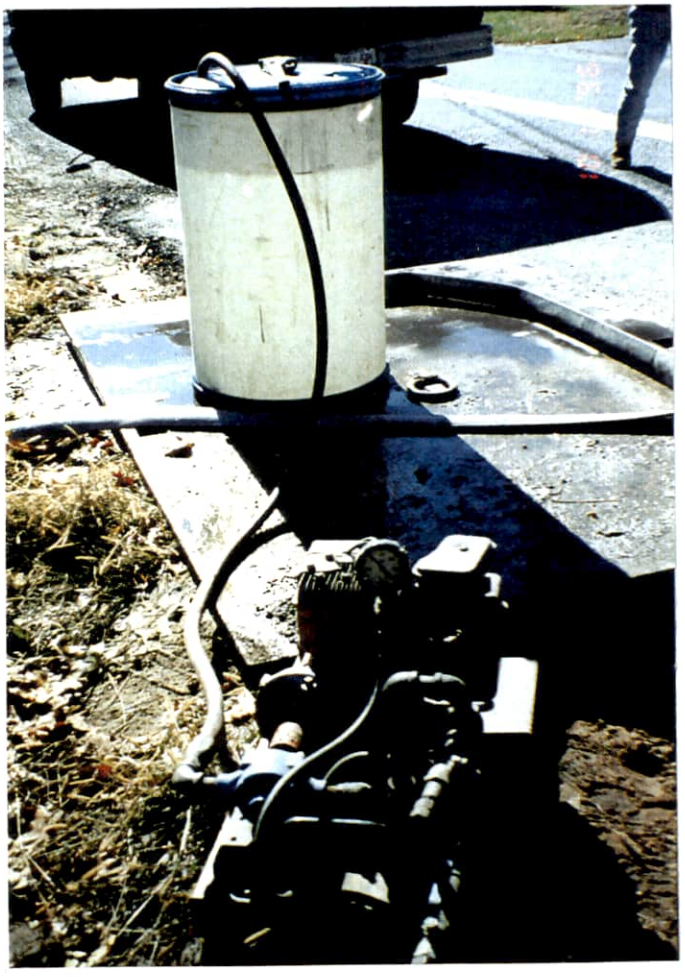


Photo 30
10/18/96, Pressure testing apparatus



Photo 31
10/18/96, Saw cutting of pavement for service line installation



Photo 32
10/23/96, Trench excavation for residential service line installation



Photo 33
10/24/96, Trench excavation for residential service line installation

Photo 34
10/25/96, Trench excavation for residential service line installation





Photo 35
10/28/96, Exposure of the new main at the Farm's Road Pump House



Photo 36
Existing Utility



Photo 37
10/31/96, Removal of existing pavement in Bedford Village for service line installation

Photo 38
10/31/96, Placement of copper service line





Photo 39
11/1/96, Placement and backfill of copper service line

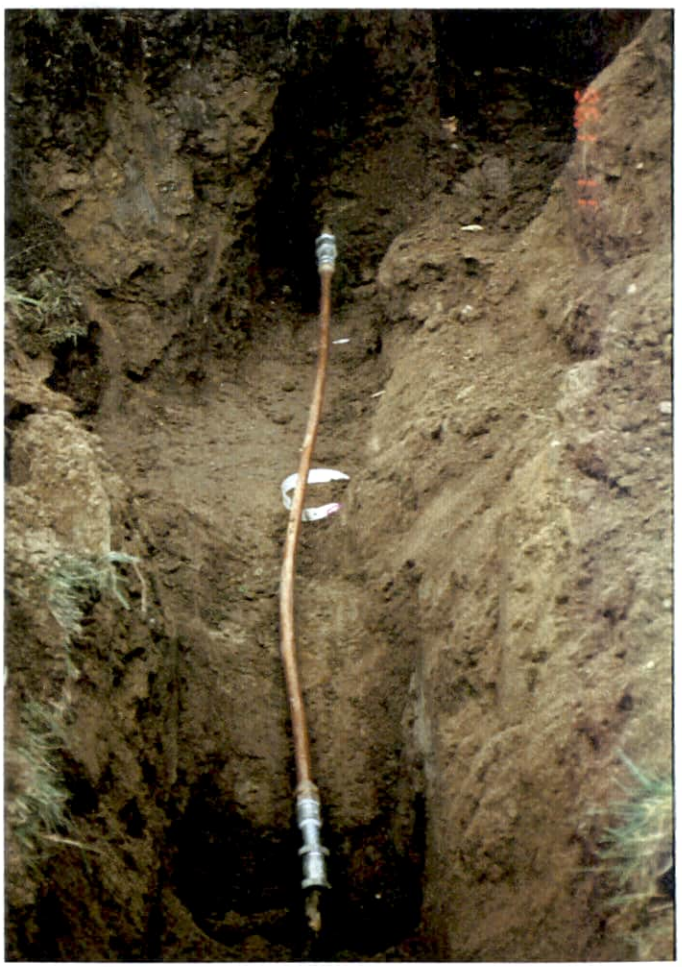


Photo 40
11/1/96, Flanged connection of copper line



Photo 41
11/1/96, Placement of temporary pavement at service line locations in Bedford Village



Photo 42
11/6/96, Excavation for service line installation



Photo 43
11/6/96, New copper service line; capped until future connection



Photo 44
11/7/96, New hydrant



Photo 45
11/8/96, New valve stem



Photo 46
Existing valve box



Photo 47
11/19/96, New copper service line showing tap to 8 inch main and valve stem



Photo 48
11/19/96, Backfilling of new curb box



Photo 49
11/20/96, Tapping into the new 8 inch water main



Photo 50
12/12/96, Site work at the existing pump house



Photo 51
12/16/96, Drill rig for installation of the new water supply well



Photo 52
12/16/96, Installation of new water supply well



Photo 53
12/20/96, Installation of
new water supply well



Photo 54
12/20/96, Installation of
new water supply well

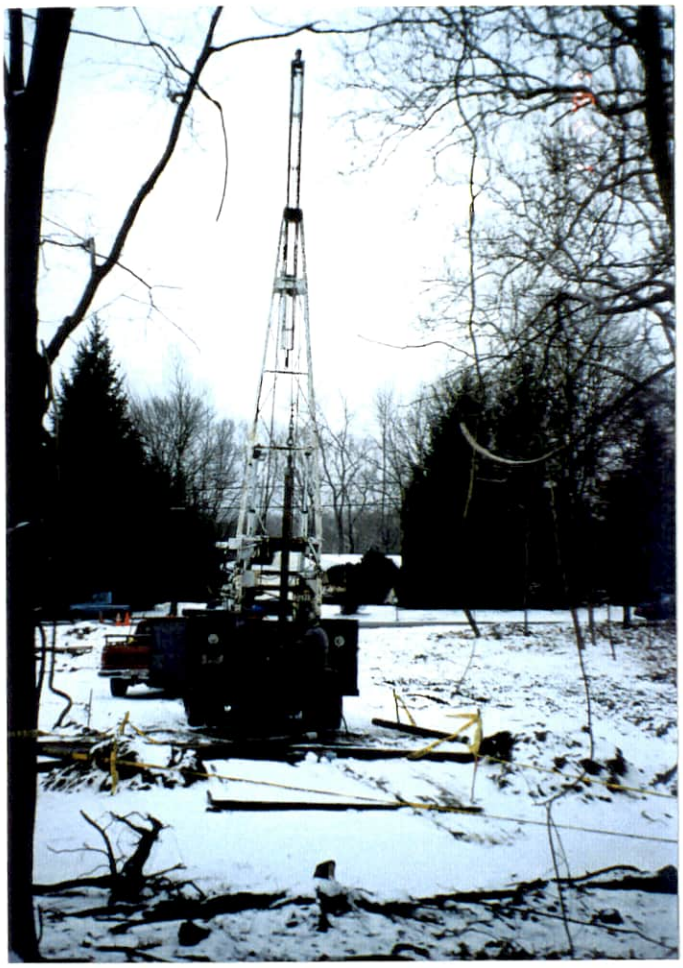


Photo 55
1/2/97, Installation of new water supply well



Photo 56
1/3/97, Installation of new water supply well



Photo 57
1/3/97, Installation of new water supply well



Photo 58
3/25/97, Play house vault area



Photo 59
3/25/97, Play house vault area



Photo 60
4/24/97, Installation of new pipe from pump house to new and existing mains on Farms Road



Photo 61
4/24/97, Temporary potable water supply at the pump house site



Photo 62
4/25/97, Water main feed line valve installation at the pump house



Photo 63
5/7/97, Excavation for service line installation



Photo 64
5/29/97, Temporary potable water supply

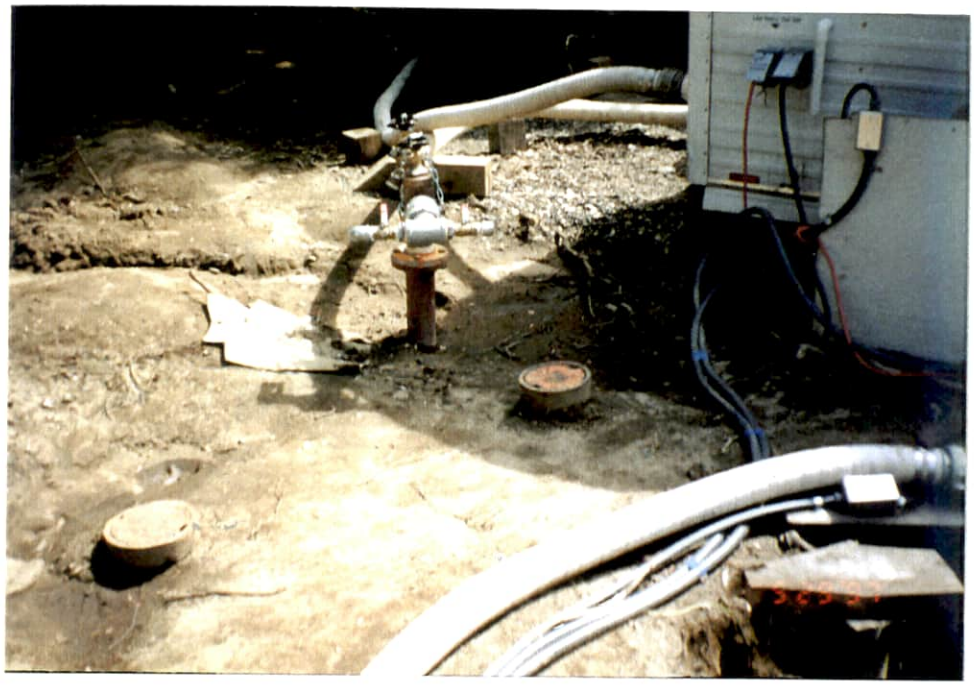


Photo 65
5/29/97, Temporary potable water supply connection



Photo 66
5/29/97, Temporary potable water supply at increased capacity



Photo 67
Temporary potable water supply at increased capacity



Photo 68
6/2/97, Excavation of existing water storage tanks



Photo 69
6/2/97, Excavation of existing water storage tanks



Photo 70
6/2/97, Excavation of existing water storage tanks



Photo 71
6/3/97, Existing hydropneumatic tank



Photo 72
6/3/97, Removal of existing hydropneumatic tank



Photo 73
6/3/97, Removal of existing hydropneumatic tank



Photo 74
6/11/97, Surface preparation for water storage tank installation



Photo 75
6/13/97, Form work for concrete tank pads



Photo 76
6/20/97, Copper service line capped until future connection



Photo 77
6/20/97, Concrete tank pad



Photo 78
6/20/97, Thrust block



Photo 79
6/20/97, New water supply well



Photo 80
6/20/97, Sidewalk restoration in Bedford Village



Photo 81
6/20/97, Sidewalk restoration in Bedford Village



Photo 82
7/1/97, Concrete formwork for hydropneumatic tank pad



Photo 83
7/1/97, New pump house plumbing installation



Photo 84
7/11/97, Service line tap into new water main



Photo 85
7/15/97, Placement of 45,000 gallon water storage tanks



Photo 86
7/15/97, 45,000 gallon storage tank anchoring



Photo 87
7/15/97, 45,000 gallon water storage tank anchor straps

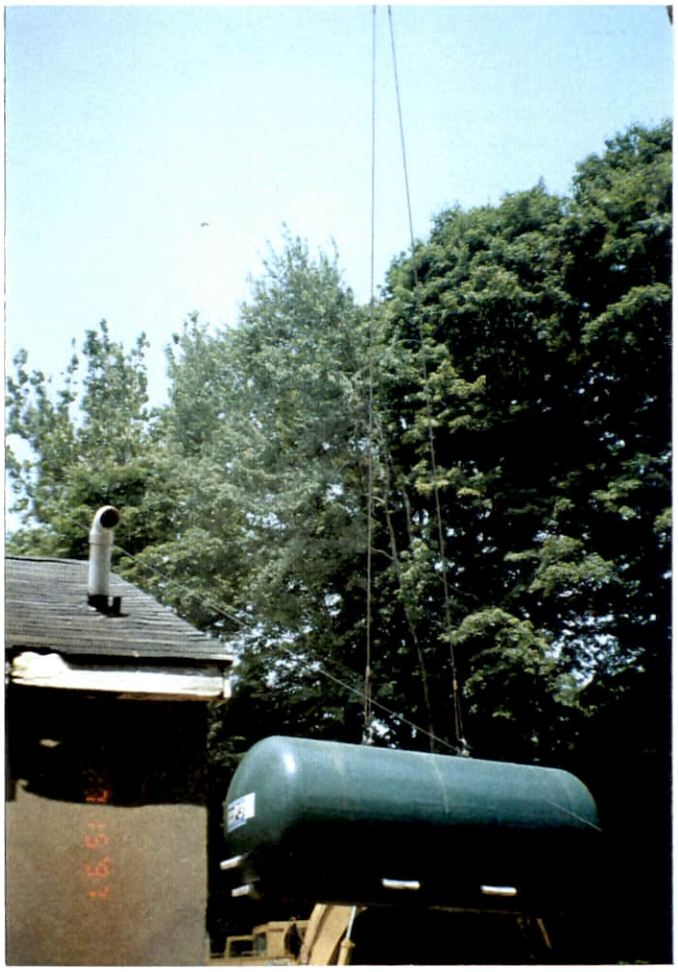


Photo 88
7/15/97, Placement of hydropneumatic tank



Photo 89
7/15/97, Hydropneumatic tank



Photo 90
7/15/97, Hydropneumatic tank from pump house interior



Photo 91
7/22/97, Sandblasting of tank interior surface



Photo 92
7/22/97, Backfilling and hand tamping of electrical conduit trench

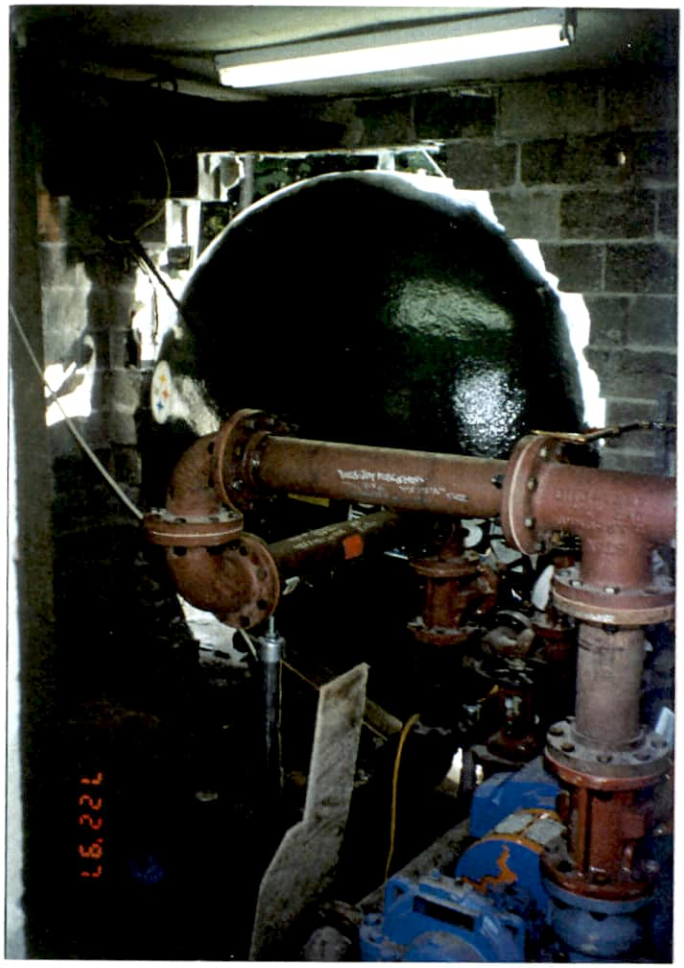


Photo 93
7/22/97, Pump house interior showing new plumbing work and hydropneumatic tank



Photo 94
7/22/97, Repair of tank exterior coating



Photo 95
7/22/97, Interior tanksurface preparation

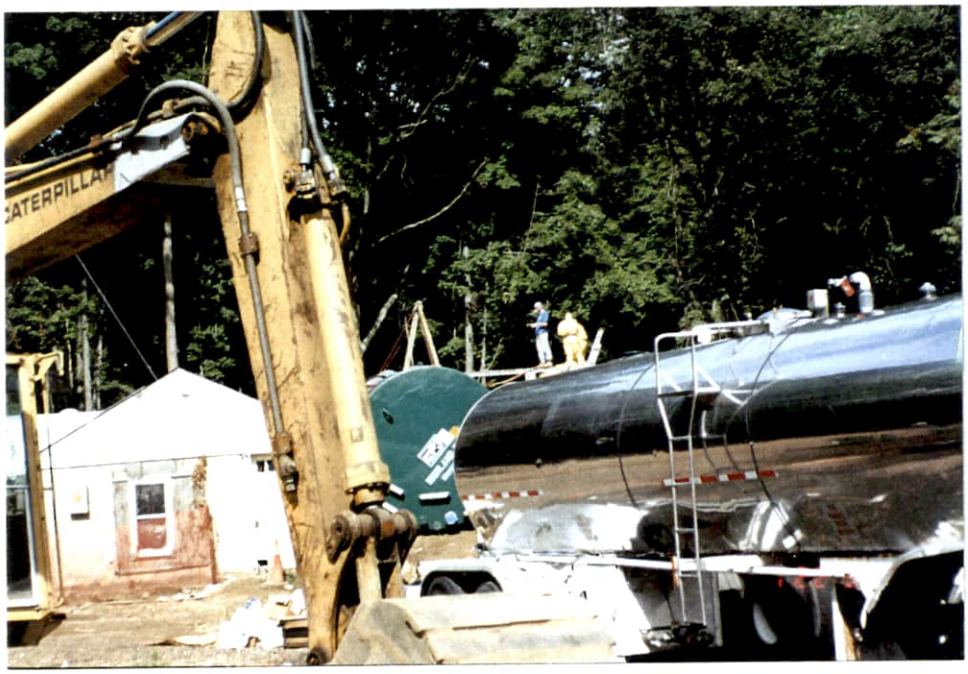


Photo 96
7/22/97, Construction activity at the Farms Road pump house



Photo 97
7/23/97, Sandblasting equipment for tank interiors



Photo 98
7/25/97, Hydropneumatic tank with sandblasting removal tube



Photo 99
7/28/97, Formwork for concrete generator pad



Photo 100
7/28/97, NYSEG utility pole installation



Photo 101
7/30/97, Pump house piping connections to water storage tanks



Photo 102
8/4/97, Asbestos shingle removal



Photo 103
8/4/97, Asbestos shingle removal



Photo 104
8/4/97, Asbestos shingle removal



Photo 105
8/6/97, Pump house rehabilitation - new roofing



Photo 106
8/6/97, Pump house rehabilitation - new roofing



Photo 107
8/6/97, Pump house rehabilitation - new roofing



Photo 108
8/7/97, Pump house rehabilitation



Photo 109
Rehabilitated pump house with new generator and backfilled water storage tanks



Photo 110
New water supply well



Photo 111
9/3/97, Rehabilitated pump house showing new brick facade



Photo 112
9/3/97, Brick test wall



Photo 113
9/3/97, View of pump house site from water storage tank mound



Photo 114
9/3/97, View of pump house site from water storage tank mound



Photo 115
Removal of existing utility pole



Photo 116
9/23/97, Drainage culvert installation at the pump house site



Photo 117
9/24/97, Driveway subbase preparation



Photo 118
Completed pump house site



Photo 119
Completed pump house site



Photo 120
Post-construction service line repair (firehouse)



Photo 121
Post-construction service line repair (firehouse)



Photo 122
Acoustic leak survey

APPENDIX B

DAILY FIELD INSPECTION REPORTS

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: THURSDAY 7/11/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: 65-70°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
BILOTTA CONSTRUCTION: 1 FOREMAN,	- BILOTTA BEGAN TRENCHING FOR
3 LABORERS, 2 OPERATORS, 1 TEAMSTER,	PIPE INSTALLATION ALONG LAKE
2 FLAG PERSONS	AVENUE, 1 - 8" VALVE, 8 - 8"
	PIPE @ 8' LONG, 1 8" PIPE @
	17'-4" LONG, 1-8"x6" TEE, 1-6"
EQUIPMENT: - 290 FRONT-END LOADER/	PIPE @ 14" LONG, & 1-6" VALVE
BACK HOE, 936 FRONT-END LOADER,	WAS INSTALLED.
10 WHEEL DUMP TRUCK, JUMPING JACK	- APPEARED THAT PROPER SAFETY
	AND HAZARD PRECAUTIONS WERE
	IMPLEMENTED
DOCUMENTATION RECEIVED: NONE	

COMMENTS: - MALCOLM PIRNIE ON SITE 0805 - 1640
- HAHN ENGINEERING ON SITE

VISITORS: GERARD W. BURKE (NYSDEC) ON SITE

SIGNATURE: B. J. C.

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 **DATE:** FRIDAY 7/12/96
CONTRACT Bedford Water Supply **WEATHER:** PARTLY CLOUDY
LOCATION: Bedford, New York **TEMPERATURE:** 65-70°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
BILOTTA: 1 FOREMAN, 3 LABORERS,	BILOTTA CONTINUED TO INSTALL
2 OPERATORS, 1 TEAMSTER, 1 FLAG PERSON	WATER SUPPLY PIPE ALONG LAKE
	AVE. BILOTTA ALSO CONTINUED TO
	BACKFILL/COMPACT COMPLETED SECTIONS.
	BACKFILLED AREAS WERE THEN
EQUIPMENT: 290 FRONT-END LOADER/BACK-HOE,	COVERED WITH TEMPORARY ASPHALT
190 FRONT-END LOADER/BACK-HOE, 936	MATERIAL.
FRONT-END LOADER, DUMP TRUCK, JUMPING	-17 SECTIONS OF 18' LONG 8" Ø
JACK, TAMPERING PLATE	AND 96 YD² OF ASPHALT WAS
	INSTALLED.
DOCUMENTATION RECEIVED:	
- TRUCKING TICKET FOR ASPHALT USED	
ON 7/12/96.	

COMMENTS: MALCOLM PIRNIE ON-SITE 0815-1700
- HAHN ENGINEERING ON-SITE

VISITORS: NONE

SIGNATURE: By L. Cole

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 **DATE:** MONDAY 7/15/96
CONTRACT Bedford Water Supply **WEATHER:** OVERCAST / RAIN
LOCATION: Bedford, New York **TEMPERATURE:** ≈ 75° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
BILOTTA: 1 FOREMAN, 3 LABORERS,	BILOTTA CONTINUES INSTALLATION
2 OPERATORS, 1 TEAMSTER,	OF WATER SUPPLY MAIN ALONG
1 FLAG PERSON	LAKE AVE. AND BEGAN INSTALLATION
	ALONG VINTON AVE. INSTALLATION
	OF THE MAIN LINE ALONG
EQUIPMENT: -290 BACK-HOE/FRONT-END	LAKE AVE WAS COMPLETED, BUT
-190 BACK-HOE/FRONT-END	FIRE HYDRANTS AND RESIDENT HOOK-
- DUMP TRUCK	UPS HAVE NOT BEEN INSTALLED
- JUMPING JACK	AS OF YET.
	MATERIAL USED: - 1 8" GATE VALVE
DOCUMENTATION RECEIVED: NONE	- 1 8" CAP @ 22 POUNDS
	- 1 8"x6" TEE @ 75 POUNDS
	- 2 17'x4" SECTIONS OF 8" ϕ (D.I.)
	- 13 18' SECTIONS OF 8" ϕ (D.I.)
	- 1 3/4 CY CONCRETE (FOR THRUST BLOCKS)
COMMENTS: - MALCOLM PIRNIE ON-SITE 0750-1640	
- HAHN ENGINEERING ON-SITE	
- LARRY JOHANNES (TOBW) ON-SITE (BRIEFLY)	

VISITORS: NONE

SIGNATURE: By L. Cole

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 **DATE:** TUESDAY 7/16/96
CONTRACT Bedford Water Supply **WEATHER:** CLEAR
LOCATION: Bedford, New York **TEMPERATURE:** ≈ 75 - 80°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
BILOTTA: 1 FOREMAN, 4 LABORERS	BILOTTA CONTINUES TO INSTALL
2 OPERATORS, 1 TEAMSTER	WATER SUPPLY MAIN ALONG
1 FLAG PERSON	VINTON AVE. BILOTTA ALSO
	COMPLETED PLACING TEMPORARY
	ASPHALT OVER COMPLETED SECTIONS
EQUIPMENT: - 290 BACK-HOE/FRONT-END	ON OAK AVE. AND PLACED
- 936 LOADER	~~SOME~~ (60) ASPHALT ON A SMALL
- DUMP TRUCK	COMPLETED SECTION ON VINTON AVE.
- JUMPING JACK	MATERIALS USED/REMOVED: - 1 6" GATE VALVE
- TAMPERING PLATE	- 1 8"x6" TEE @ 75 POUNDS
DOCUMENTATION RECEIVED:	- 1 17'-4" SECTION OF 8" ∅ (D.I.)
-TRUCKING TICKET FOR ASPHALT	- 18 18' SECTIONS OF 8" ∅ (D.I.)
USED ON 7/16/96.	- 3/4 CY OF CONCRETE (FOR THRUST BLOCK)
	- 129 YD^2 @ 3.13 ASPHALT
	- 2 BOULDERS EACH @ 1/3 CY

COMMENTS: - MALCOLM PIRNIE ON-SITE 0810-1630
- HAHN ENGINEERING ON-SITE

VISITORS: GERARD BURKE (NYSDEC), KEN KAISER (MI), JOE BILOTTA & VITO BILOTTA

SIGNATURE: By L. Cole

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: FRIDAY 9/20/96
CONTRACT Bedford Water Supply WEATHER: —
LOCATION: Bedford, New York TEMPERATURE: —

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	INSTALLED THREE 6"-GATE VALVES
2 LABORERS, OPERATOR, TEAMSTER,	AND THREE 14" SECTIONS OF
2 FLAGGERS	6" DIP FOR FIRE HYDRANTS
	# 7, 10, AND 11. BILOTTA
	ALSO INSERTED THE TEE FOR
EQUIPMENT: BACK-HOE/LOADER, DUMP	FIRE HYDRAT # 7 SO THE HYDRANT
TRUCK, JUMPING JACK	WOULD BE PLACED ON THE EAST
	SIDE OF RT. 22. ORIGINAL
	PLANS SPECIFIED HYDRANT TO
	BE ON WEST SIDE. THIS CHANGE
DOCUMENTATION RECEIVED: REC'D	WAS CONDUCTED AT THE REQUEST
TEE RECEIPT FOR HYDRANT	OF TOB.
# 7 INVERSION.	

COMMENTS: - B. COHEN (MPI) ON-SITE 0810 - 1615
HAHN ON-SITE

VISITORS: L. JOHANNES (TOBW), E. FRITSCH (MPI)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: MONDAY 9/23/96
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 60° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	INSTALLED 21.4' OF 6" DIP
2 LABORERS, TEAMSTER, 2 FLAGGERS	WITH SHEETING, 13.4' OF 6"
OPERATOR	DIP, 6" GATE VALVE, AND 6.35
	CY OF K-CRETE FOR FIRE HYDRANT
	# 9. THIS WORK INVOLVED CROSSING
EQUIPMENT: BACK-HOE/LOADER, LOADER,	FROM EAST TO WEST SIDE OF
DUMP TRUCK, JUMPING JACK,	RT. 22 (CROSS OVER #5). BILOTTA
2 JACK HAMMERS	ALSO INSTALLED 34.33' OF 1"
	COPPER ¢, 1" BRASS CORPORATION
	STOP, AND 1" BRASS CURB VALVE
DOCUMENTATION RECEIVED: REC'D	FOR TOMASO'S RESTAURANT WATER
TRUCKING TICKET FOR K-CRETE.	SERVICE.

COMMENTS: B. COHEN (MPI) ON-SITE 0815 - 1700
HAHN ON-SITE

VISITORS: JIM SCHREYER (DEC)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. _____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: TUESDAY 9/24/96
CONTRACT Bedford Water Supply WEATHER: PARTLY CLOUDY
LOCATION: Bedford, New York TEMPERATURE: ≈ 55° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	INSTALLED 22' OF 6" DIP ϕ
2 LABORERS, OPERATOR, TEAMSTER,	WITH SHEETING, ~~2~~ 1' OF 6"
2 FLAGGERS	DIP ϕ, ~~6" GATE VALVE~~, AND
	6.3 CY OF K-CRETE FOR
	FIRE HYDRANT # 7. THIS WORK
EQUIPMENT: BACK HOE/LOADER,	INCLUDED CROSSING FROM EAST
2 JACK HAMMERS, JUMPING	TO WEST SIDE OF RT. 22
JACK, DUMP TRUCK.	(CROSS-OVER # 6). ALSO
	INSTALLED 6" GATE VALVE
	AND 14" SECTION OF 6" DIP
DOCUMENTATION RECEIVED:	ϕ FOR FIRE HYDRANT # 16
	(IN FRONT OF COURT RD. SCHOOL).

COMMENTS: B. COHEN (MPI) ON-SITE 0815 - 1530
HAHN ON-SITE
NOTE: FOREMAN INJURED HIMSELF. WHILE ATTEMPTING TO FLATTEN END OF ROAD PLATE PIN, FORCE OF SLEDGE HAMMER CAUSED PIN TO KICK UP INTO FOREMAN'S SHIN. FOREMAN WAS BROUGHT TO NORTHERN WESTCHESTER HOSPITAL FOR EXAMINATION. EXAMINATION DETERMINED FOREMAN'S SHIN WAS FRACTURED

VISITORS: JACK WHITAKER (NYSDOT)

SIGNATURE: B. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: WEDNESDAY 9/25/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 60° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	INSTALLED 22' OF 6" DIP W/
2 LABORERS, 1 OPERATOR, TEAMSTER,	SHEETING, 3' OF 6" DIP W/
2 FLAGGERS.	SHEETING, AND 6.31 CY OF K-CRETE
	FOR HYDRANT # 4. THIS WORK
	INCLUDED CLOSING FROM WEST
EQUIPMENT: BACK-HOE/LOADER, DUMP	TO EAST SIDE OF RT. 22.
TRUCK, 2 JACK HAMMERS,	(CROSS-OVER # 7). BILOTTA ALSO
JUMPING JACK	PLACED 6.62 CY OF TEMP
	ASPHALT FOR CROSS-OVER # 5
	AND 6.88 CY OF TEMP. ASPHALT
DOCUMENTATION RECEIVED: TRUCKING	FOR CROSS-OVER # 6.
TICKET FOR K-CRETE	

COMMENTS: B. COHEN (MPI) ON-SITE 0830 - 1610
HATHN ON SITE.
NOTE! L. JOHANNES AND P. AQUILINO INDICATED THAT PLANS DO NOT CORRECTLY INDICATE WHERE TOBW AND TOB FIRE DEPT. ORIGINALLY MARKED LOCATION FOR FIRE HYDRANT # 4. TOBW AND TOBFD INDICATED HYDRANT LOCATION SHOULD BE ≈ 36' SOUTH OF LOCATION ON PLANS.

VISITORS: E. FEITSCH (MPI), L. JOHANNES (TOBW), P. AQUILINO (TOB FIRE DEPT.)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: THURSDAY 9/26/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 60° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	INSTALLED 2' SECTION OF
2 LABORERS, OPERATOR, TEAMSTER,	8" DIP & AND 8" END CAP
2 FLAGGERS	WITH 2" VALVE AT END OF
	LINE INFRONT OF PUMP HOUSE ON
	THE FARMS ROAD. ALSO INSTALLED
EQUIPMENT: BACK-HOE/LOADER,	14" SECTION OF 6" DIP AND 6"
DUMP TRUCK, PLATE TAMPER,	GATE VALVE FOR FIRE HYDRANT #1
TAPPING MACHINE	(CORNER OF COURT RD AND RT. 22); AND
	6.59 40² CF TEMP. ASPHALT FOR
	CROSS-OVER #7. BILOTTA INSTALLED
DOCUMENTATION RECEIVED: TRUCKING	A 3/4" CORPORATION STOP JUST WEST
TICKET FOR TEMP. ASPHALT.	OF VALVE FOR HYDRANT #1, 3/4" CORP. STOP
	JUST UP FROM 8" END CAP ON THE
	FARMS ROAD. THESE CORP. STOPS WILL BE USED
	DURING HYDROSTATIC PRESSURE/LEAKAGE TESTS.

COMMENTS: B. COHEN (MPI) ON-SITE 0820 - 1630

HAHN ON-SITE

NOTE: BILOTTA TAPPED IN AT END OF LINE ON COURT ROAD FOR 2" BLOW-OFF BUT DID NOT INSTALL 2" CORPORATION YET.

VISITORS: _____

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

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REPORT NO. _____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: FRIDAY 9/27/96
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 65° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	INSTALLED 3/4" CORP. STOPS
LABORER, OPERATOR, TEAMSTER,	FOR SERVICE LINE TAPS FOR
2 FLAGGERS	452 OLD POST ROAD, 17, 21, AND
	25 LAKE AVE. (4 3/4" CORP. STOPS).
	BILOTTA ALSO INSTALLED 6' OF
EQUIPMENT: BACK-HOE/LOADER,	3/4" COPPER Ø AND A 3/4" CURB
DUMP TRUCK, TAPPING MACHINE	VALVE FOR 17 LAKE AVE. BILOTTA
	TAPPED INTO END OF LINE ON
	LAKE AVE (INFRONT OF 25 LAKE) FOR
	2" BLOW-OFF BUT DID NOT INSTALL
DOCUMENTATION RECEIVED: NONE	2" CORP. STOP YET.

COMMENTS: B. COHEN (MPI) ON-SITE 0855-1610, E. FRITSCH (MPI) ON-SITE 0800-0830
HAHN ON-SITE

VISITORS: NONE

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

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REPORT NO. _____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: MONDAY 9/30/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: 55° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	INSTALLED SERVICE LINES FOR
2 LABORERS, TEAMSTER, OPERATOR	21 LAKE AVE AND 2 AND 9
BEE & INY: PLUMBER, PLUMBER ASSISSANT	VINTON AVE. EACH HOUSE
	REC'D A 3/4" CORP. STOP AND
	A 3/4" CURB VALVE (3 ~~CORP~~ 3/4"
EQUIPMENT: BACK-HOE/LOADER,	CORP. STOPS AND 3 3/4" CURB VALVES
DUMP TRUCK, JUMPING JACK,	TOTAL INSTALLED). THE FOLLOWING
TAPPING MACHINE.	3/4" COPPER Ø WAS INSTALLED:
	7' FROM CORP. TO CURB AND 68' FROM
	CURB TO 21 LAKE; ~~40~~ 21' FROM
DOCUMENTATION RECEIVED:	CORP. TO CURB AND 40' FROM CURB
	TO 2 VINTON; AND 6.5' FROM
	CORP. TO CURB AND 68' FROM CURB
	TO 9 VINTON (230.5' OF 3/4"
	COPPER Ø INSTALLED TOTAL).

COMMENTS: B. COHEN (MPI), ON-SITE 0755-1610

HAHN ON-SITE

NOTE: BILOTTA DID NOT COMPLETE BACKFILL OF 21 LAKE AVE. SERVICE TRENCH. AGAINST MPI'S DIRECTION, TRENCH WAS LEFT OPEN WITH TRAFFIC CONES, BARRELS, AND CAUTION TAPE AROUND PERIMETER. MPI INDICATED TO BILOTTA THIS WAS UNACCEPTABLE AND THAT NO TRENCHES WILL BE ALLOWED TO BE LEFT OPEN AT END OF WORK DAY.

VISITORS: JIM SCHREYER (DEC)

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

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REPORT NO. _____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: TUESDAY 10/1/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 50° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	COMPLETED BACKFILLING SERVICE
2 LABORERS, OPERATOR	TRENCH FOR 21 LAKE AVE. INSTALLED
BEL & JAY: PLUMBER, PLUMBER ASS'T.	25' OF 3/4" COPPER & FROM
	CORP. STOP TO CURB VALVE AND
	233' OF 3/4" COPPER & FROM
EQUIPMENT: BACK-HOE/LOADER, JUMPING	CURB VALVE TO 12 LAKE AVE.
JACK, TAPPING MACHINE.	HOUSE. THIS INCLUDED INSTALLING
	THE 3/4" CORP. AND CURB VALVES.
	BILOTTA ALSO PLACED GRASS
	SEED FOR 2 VINTON, 9 VINTON,
DOCUMENTATION RECEIVED:	AND 21 LAKE.

COMMENTS: B. COHEN (MPI) ON-SITE 0800 - 1645
HAHN ON-SITE

VISITORS: JEFF OSTERMANN (TOB)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

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REPORT NO. _____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: WEDNESDAY 10/2/96
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 60° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): INSTALLED
BILOTTA: SUPERVISOR, FOREMAN,	SERVICE LINES FOR 11 LAKE AND
2 LABORERS, OPERATOR	20 VINTON. INSTALLED 3/4" CORP.
BEE & JAY: PLUMBER, PLUMBER ASSIST.	STOP, 8' OF 3/4" COPPER ϕ, 3/4"
	CURB VALVE, AND 90' OF 3/4" COPPER ϕ
	FOR 11 LAKE; 3/4" CORP., 20' OF 3/4"
EQUIPMENT: BACK-HOE/LOADER, JUMPING	COPPER ϕ, 3/4" CURB VALVE, AND
JACK, TAPPING MACHINE,	60' OF 3/4" COPPER ϕ FOR 20
	VINTON. BILOTTA ALSO INSTALLED
	A 3/4" CORP. STOP FOR 21 VINTON
	AVE. AND A 2" CORP. STOP
DOCUMENTATION RECEIVED: NONE	AT THE END OF LINE ON
	VINTON FOR BLOW OFF VALVE.
	BILOTTA ALSO SEEDED 12 LAKE
	AND 11 LAKE AVE.
COMMENTS: B. COHEN (MPI) ON-SITE 0800 - 1615	
HAHN ON-SITE	

VISITORS: NONE

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: THURSDAY 10/3/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 50°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	INSTALLED 3/4" CORP. STOP, 8' OF
2 LABORERS, OPERATOR	3/4" COPPER Φ, 3/4" CURB VALVE,
BEE & JAY: PLUMBER, PLUMBER ASSIST.	AND 42' of 3/4" COPPER Φ FOR
	5 LAKE AVE; 30' OF 3/4" COPPER Φ,
	3/4" CURB VALVE, AND 249' OF 3/4"
EQUIPMENT: BACK-HOE/LOADER,	COPPER Φ FOR 452 OLD POST RD.
JUMPING JACK, TAPPING MACHINE	BILOTTA ALSO INSTALLED A 2"
	CORP. STOP AT END OF LINE ON
	RT. 22 IN FRONT OF NURSERY FOR
	BLOW-OFF VALVE. BILOTTA SEEDED
DOCUMENTATION RECEIVED: NONE	5 LAKE AVE, BILOTTA PUMPED WATER
	FROM THE FARMS ROAD END TO END
	OF LINE AT NURSERY, NOT INCLUDING
	LINES ON LAKE AND VINTON, TO LEAVE
	OVER THE NEXT DAY AND WEEKEND.

COMMENTS: B. COHEN (MPI) ON-SITE CEC5-1615
HAHN ON-SITE
NOTE: WHILE EXCAVATING TRENCH FOR 452 OLD POST ROAD, BILOTTA ENCOUNTERED WHAT APPEARS TO BE AN OLD ~~GAS~~ UST FOR THE GAS STATION IN FRONT OF 452 HOUSE. THE TANK DID NOT APPEAR TO BE DAMAGED AND NO LEAKING WAS OBSERVED. BILOTTA WAS ABLE TO CONTINUE TO EXCAVATE AROUND THE TANK TO TIE INTO THE MAIN MORE RT. 22.

VISITORS: JEFF OSTERMANN (TOS)

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

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104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: FRIDAY 10/4/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 50°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): INSTALLED
BILOTT: SUPERVISOR, FOREMAN,	60' OF 3/4" COPPER Φ FOR 17
2 LABORERS, OPERATOR,	LAKE AVE. (CORP. AND CURB VALVES ~~INSTALLED~~ PREVIOUSLY INSTALLED); 3/4" CORP., 20' OF 3/4"
BEE & JAY: PLUMBER, PLUMBER ASSIST.	COPPER Φ, 3/4" CURB VALVE, AND 40'
	OF 3/4" COPPER Φ FOR 12 VINTON
EQUIPMENT: BACK-HOE/LOADER, LOADER,	BILOTTA ALSO PLACED 32.87 YD²
JUMPING JACK, TAMPING PLATE,	OF TEMP. ASPHALT FOR CROSS-OVERS
TAPPING MACHINE	AND TAP AREAS FOR SERVICE
	LINES INSTALLED FOR HOUSES ON
	LAKE AND VINTON AVES.
DOCUMENTATION RECEIVED: RECEIVED	
TRUCKING TICKET FOR TEMP. ASPHALT.	

COMMENTS: B. COHEN (MPI) ON-SITE 0810 - 1615
HAHN ON-SITE

VISITORS: JEFF OSTERMANN (TOB), LARRY JOHANNES (TO BW)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: MONDAY 10/7/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 45° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA; SUPERVISOR, FOREMAN,	INSTALLED 3/4" CORP. STOP, 8' OF 3/4"
2 LABORERS, OPERATOR	COPPER ϕ, 3/4" CURB VALVE, AND
BEE & JAY; PLUMBER, PLUMBER ASSIST.	52' OF 3/4" COPPER ϕ FOR 9 LATE;
	15' OF 3/4" COPPER ϕ, 3/4" CURB VALVE,
	AND 55' OF 3/4" COPPER ϕ (CURB STOP
EQUIPMENT: BACK-HOE/LOADER,	PREVIOUSLY INSTALLED) FOR 21 VINTON;
JUMPING JACK, TAPPING MACHINE	AND 3/4" CORP. STOP, 13' OF 3/4"
	COPPER ϕ, 3/4" CURB VALVE, AND 54'
	OF 3/4" COPPER ϕ, BILOTTA
	ALSO SEEDED 21 AND 17
DOCUMENTATION RECEIVED:	VINTON AVE.

COMMENTS: B. COHEN (MPI) ON-SITE 0800 - 1600
HAHN ON-SITE

VISITORS: JIM SCHREYER (DEC)

SIGNATURE: By L. Cook

DAILY REPORT

MALCOLM PIRNIE

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104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: TUESDAY 10/6/96
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 55° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	INSTALLED 27' OF 3/4" COPPER ϕ,
2 LABORERS, OPERATOR	3/4" CURB VALVE, AND 45' OF 3/4"
BEE & JAY: PLUMBER, PLUMBER ASSIST	COPPER ϕ FOR 8 VINTON (CORP. STOP
	PREVIOUSLY INSTALLED); AND 20' OF
	3/4" COPPER ϕ, 3/4" CURB VALVE,
EQUIPMENT: BACK-HOE/LOADER,	AND 40' OF 3/4" COPPER ϕ FOR 25
JUMPING JACK	~~VINTON~~ LAKE (CORP. STOP PREVIOUSLY INSTALLED)
	BILOTTA ALSO INSTALLED A 2"
	CORP. STOP AT END OF LINE ON
	LAKE FOR BLOW-OFF VALVE.
DOCUMENTATION RECEIVED: NONE	

COMMENTS: B. COHEN (MPI) ON-SITE 0800-1610
HAHN ON-SITE

VISITORS: NONE

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

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104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: WEDNESDAY 10/9/96
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 60° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	INSTALLED 3/4" CORP. STOP, 12'
2 LABORERS, OPERATOR	OF 3/4" COPPER ϕ, 3/4" CURB
BEE & JAY: PLUMBER, PLUMBER ASSIST.	VALVE, AND 56' OF 3/4" COPPER
	ϕ FOR 1 LAKE; AND 3/4" CORP.
	STOP, 12' OF 3/4" COPPER ϕ,
EQUIPMENT: BACK-HOE/LOADER,	3/4" CURB ~~STOP~~ VALVE, AND 132' OF
JUMPING JACK, TAPPING MACHINE	3/4" COPPER ϕ.
DOCUMENTATION RECEIVED: NONE.	

COMMENTS: B. COHEN (MPI) ON-SITE 0800 - 1615
HAHN ON-SITE
NOTE: MEETING AT ~~COR~~ PUMP HOUSE REGARDING WELL CONSTRUCTION AND TEMPORARY WATER SUPPLY.

VISITORS: HAHN ENG., TOBIN, BEE & JAY, HKS ENV., SIMMONS WATER CO., BOYD ARTESIAN WELL CO.

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

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REPORT NO. _____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: THURSDAY 10/10/96
CONTRACT Bedford Water Supply WEATHER: RAIN
LOCATION: Bedford, New York TEMPERATURE: ≈ 55° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	INSTALLED 3/4" CORP. STOP, 14' OF
3 LABORERS, OPERATOR	3/4" COPPER ϕ, 3/4" CURB VALVE,
BEE & JAY: PLUMBER, PLUMBER ASSIST.	AND 36' OF 3/4" COPPER ϕ FOR
	11 COURT RD; AND 128' OF 1"
	COPPER ϕ FOR TOMASO'S RESTAURANT
EQUIPMENT: BACK-HOE/LOADER,	ON RT. 22 (CORP. AND CURB VALVES
JUMPING JACK, PAVEMENT SAW,	PREVIOUSLY INSTALLED). BILOTTA ALSO
2 JACK HAMMERS, TAMPING PLATE,	SAW-CUT FOR 416/418 SERVICE
TAPPING MACHINE	LINES AT HUNTINGTON RIDGE
	SHOPPING CENTER PARKING AREA.
DOCUMENTATION RECEIVED: NONE	

COMMENTS: B. COHEN (MPI) ON-SITE 0810 - 1615
HAHN ON-SITE

VISITORS: JIM SCHREYER (DEC)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

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REPORT NO. _____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: FRIDAY 10/11/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 45° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FORMAN,	INSTALLED A 2" CURB VALVE
2 LABORERS, OPERATOR, TEAMSTER	AND 160' OF 2" COPPER Φ FOR
BEE & JAY: PLUMBER, PLUMBER ASSIST.	416 OLD POST RD, AND 2" CURB
	VALVE AND 160' 2" OF COPPER Φ
	FOR 416 OLD POST. RD. BOTH
EQUIPMENT: BACK-HOE/LOADER, DUMP	LINES WERE INSTALLED IN SAME
TRUCK, JUMPING JACK, TAMPING	TRENCH. BILOTTA ALSO PLACED
PLATE, PRESSURE PUMP.	34 YD² OF TEMP. ASPHALT FOR
	COMPLETED SECTIONS OF 416/418
	SERVICE TRENCH. SERVICE LINES
DOCUMENTATION RECEIVED: TRUCKING	WERE NOT COMPLETED TO HOUSES YET.
TICKET FOR TEMP. ASPHALT.	BILOTTA ATTEMPTED TO PRESSURE
	TEST PHASE I LINE FROM FARMS
	ROAD TO THE NURSERY NOT INCLUDING
	LACE AND VINTON AVES. - PRESSURE TEST NOT Complete
COMMENTS: B. COHEN (MPI) ON-SITE 0805 - 1635	
HAHN ON-SITE	
NOTE: IT WAS DETERMINE THAT SERVICE LINE WILL BE	
PRESSURE TESTED AT 200 PSIG OR GREATER TO COMPLY	
WITH AWWA STANDARD FOR SERVICE LINE USED FOR	
FIRE PROTECTION.	

VISITORS: L. JOHANNES (TOBW)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: TUESDAY 10/15/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: 45° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	CONTINUED TO INSTALL 2"
2 LABORERS, OPERATOR, TEAMSTER,	SERVICE LINE FOR 416/418
BEE & JAY: PLUMBER, PLUMBER ASSIST.	OLD POST ROAD. EACH HOUSE
	LINE REC'D 80' (160' TOTAL LF)
	OF 2" COPPER ϕ. INSTALLATION
EQUIPMENT: BACK-HOE/LOADER, DUMP	OF LINES NOT COMPLETE YET.
TRUCK, MUD PUMP, PRESSURE	BILOTTA ALSO PLACED TEMP.
PUMP, JUMPING JACK, TAMPING	ASPHALT AT TOMASO'S RESTAURANT,
PLATE, HOE-RAM/LOADER	SHOPPING CENTER PARKING LOT
	FOR 418/416 LINES, AND LOCATIONS
DOCUMENTATION RECEIVED: REC'D	ON VINTON AVE — 47.61 YD² TOTAL
TRUCKING TICKET FOR TEMP.	BILOTTA PRESSURE/LEAK TESTED
ASPHALT.	PHASE I LINE FROM PALMS ROAD TO
	NURSERY NOT INCLUDING LANE AND VINTON
	AVES. (CONTINUE ON NEXT PAGE)
COMMENTS: B. COHEN (MPI) 0835-1620 ON-SITE	
HAHN ON-SITE	
NOTE: NO WORK CONDUCTED YESTERDAY, 10/14/96, DUE TO	
COLUMBUS DAY.	

VISITORS: LARRY JOHANNES (TOBW)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/15/96
CONTRACT Bedford Water Supply WEATHER: —
LOCATION: Bedford, New York TEMPERATURE: —

ACTIVITIES PERFORMED (continued):

210 PSIG WAS HELD IN THE LINE WITHOUT ADDING WATER OR PRESSURE FOR THE REQUIRED MINIMUM OF 2 HOURS.

COMMENTS:

VISITORS: —

SIGNATURE: By L. Cole

DAILY REPORT

MALCOLM PIRNIE

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104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: WEDNESDAY 10/16/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 45° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	CONTINUED TO INSTALL SERVICE
2 LABORERS, OPERATOR, TEAMSTER	LINES FOR 416 AND 418 OLD
BEE & JAY: PLUMBER, PLUMBER ASSIST,	POST ROAD. 80' OF 2" COPPER &
	WAS INSTALLED FOR EACH HOUSE (160'
	TOTAL) SERVICE LINES NOT TO HOUSES
EQUIPMENT: BACK-HOE/LOADER, LOADER,	YET. PRESSURE/LEAKAGE TEST WAS
MUD PUMP, PRESSURE PUMP, JUMPING	CONDUCTED FOR LAKE AVE. MAIN AND
JACK.	HELD 200 PSIG FOR 2 HOURS. BILOTTA
	ALSO REMOVED 22.74 CY OF
	ROCK WHILE EXCAVATING FOR 416/418
DOCUMENTATION RECEIVED: NONE.	SERVICE LINES.
COMMENTS: B. COHEN (MPI) ON-SITE 0825 - 1620	
HAHN ON-SITE	

VISITORS: Jim Schreyer (DEC)

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: THURSDAY 10/17/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 55° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	CONTINUED TO INSTALL SERVICE LINES
2 LABORERS, OPERATOR, TEAMSTER	FOR 416 AND 418 OLD POST ROAD.
BEE & JAY: PLUMBER, PLUMBER ASSIST	160' OF 2" COPPER & WAS INSTALLED
	FOR EACH HOUSE (320' TOTAL). LINES
	ARE NOT TO HOUSES YET. 1.25 CY
EQUIPMENT: BACK-HOE/LOADER, LOADER,	OF ROCK WAS REMOVED WHILE EXCAVATING
MUD PUMP, PRESSURE PUMP	FOR 416/418. BILOTTA ALSO PUMPED
	WATER INTO VINTON AVE. LINE
	AND PHASE II LINE IN PREPARATION
	FOR PRESSURE/LEAKAGE TESTS.
DOCUMENTATION RECEIVED: NONE	

COMMENTS: B. COHEN (MPI) ON-SITE 0800 - 1615
HAHN ON-SITE
NOTE: BI-WEEKLY PROGRESS MEETING HELD ~~AT~~ IN ENGINEER'S
TRAIL AT 1330 - 1430 HOURS.

VISITORS: TED KUGLER (BEE & JAY)

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

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104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: FRIDAY 10/18/96
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 55° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA INSTALLED
BILOTTA: SUPERVISOR, FOREMAN,	3/4" CORP. STOP, 17' OF 3/4" COPPER
2 LABORERS, OPERATOR, SAW OPERATOR	Ø, 3/4" CURB VALVE, AND 40' OF 3/4"
BEE & JAY: PLUMBER, PLUMBER ASSIST.	COPPER Ø FOR 27 COURT ROAD.
	MAIN LINE ON VINTON AVE. WAS
	PRESSURE/LEAKAGE TESTED AT
EQUIPMENT: BACK-HOE/LOADER,	200 PSIG AND HELD THIS PRESSURE
JUMPING JACK, PRESSURE PUMP,	FOR 2 HOURS WITHOUT ADDITIONAL
PAVEMENT SAW.	PUMPING. BILOTTA ALSO SAW-CUT
	FOR SERVICE LINE FOR NURSERY.
DOCUMENTATION RECEIVED: NONE	

COMMENTS: B. COHEN (MPI) ON-SITE 0805-1615
HAHN ON-SITE
NOTE: ALTHOUGH 416 AND 418 OLD POST ROAD SERVICES HAVE NOT BEEN COMPLETED, BILOTTA DID NOT CONTINUE INSTALL SERVICE LINES FOR THESE HOUSES TODAY.

VISITORS: NONE

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: MONDAY 10/21/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 50° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN, 2 LABORERS, OPERATOR, TEAMSTER, SAW OPERATOR.	INSTALLED 155' OF 1" COPPER & AND 1" CURB VALVE (CORP. STOP NOT INSTALLED YET). 6.25 CY OF ROCK WAS REMOVED WHILE EXCAVATING FOR SERICE LINE INSTALLED FOR
BEE & JAY: PLUMBER, PLUMBER ASSIST	
EQUIPMENT: BACK-HOE/LOADER, DUMP TRUCK, JUMPING JACK, PAVEMENT SAW, MUD PUMP, PRESSURE PUMP.	NURSERY (SERICE LINE INDICATED ABOVE). BILOTTA ALSO SAW-CUT FOR FIRE HOUSE, POST OFFICE, AND #618-634 ON VILLAGE GREEN SERVICES. BILOTTA ATTEMPTED TO PRESSURE/ LEAKAGE TEST FOR PHASE II MAIN (NOT INCLUDING COURT ROAD), BUT WAS UNABLE TO ACHIEVE THE REQUIRED 200 PSIG PRESSURE MINIMUM.
DOCUMENTATION RECEIVED: NONE	

COMMENTS: B. COHEN (MPI) ON-SITE 0840 - 1625
HAHN ON-SITE

VISITORS: TED KUGLER (BEE & JAY)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

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REPORT NO. _____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: TUESDAY 10/22/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 50° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	CONTINUED INSTALLING SERVICE LINES
2 LABORERS, OPERATOR	FOR 416 & 418 OLD POST ROAD.
BEE & JAY: PLUMBER, PLUMBER ASSIST.	INSTALLED 80' OF 2" COPPER &
	FOR EACH HOUSE (160' TOTAL). 3.03
	CY OF ROCK WAS REMOVED WHILE
EQUIPMENT: BACK-HOE/LOADER, JUMPING	EXCAVATING FOR SERVICES. BILOTTA
JACK, MUD PUMP, PRESSURE PUMP.	ALSO ATTEMPTED TO PRESSURE/
	LEAKAGE TEST PHASE II LINE,
	BUT WAS UNABLE TO SUSTAIN
	PRESSURE IN LINE.
DOCUMENTATION RECEIVED: NONE	

COMMENTS: B. COHEN (MPI) ON-SITE 0815 - 1610
HAHN ON-SITE.
NOTE: BILOTTA COMPLETED 2" SERVICE LINE FOR 416 AND WILL CONTINUE TO HOUSE WITH 1" SERVICE LINE. 418 SERVICE LINE WILL CONTINUE UP DRIVEWAY WITH 2" COPPER & UNTIL THEY REACH A POINT TO CROSS TO THE HOUSE WITH 1" SERVICE LINE.

VISITORS: JIM SCHREYER (DEC)

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

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REPORT NO. ____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: WEDNESDAY 10/23/96
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 50° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA INSTALLED
BILOTTA: SUPERVISOR, FOREMAN,	60' OF 1" COPPER @ FOR 416
2 LABORERS, OPERATOR, TEAMSTER	OLD POST ROAD AND CONTINUED
BEE & JAY: PLUMBER, PLUMBER ASSIST	INSTALLING 2" COPPE LINE FOR
	418 OLD POST ROAD. INSTALLED
	60' OF 2" COPPER @ FOR 418.
EQUIPMENT: BACK-HOE/LOADER,	BILOTTA REMOVED 10.2 CY OF
HOE-RAM/LOADER, JUMPING JACK,	ROCK WHILE EXCAVATING FOR
DUMP TRUCK, PLATE TAMPER, MUD	SERVICE LINES. BILOTTA ALSO
PUMP.	PLACED 30.1 YD^2 OF TEMP.
	ASPHALT FOR NURSERY SERVICE
DOCUMENTATION RECEIVED: REC'D	LINE.
TRUCKING TICKET FOR TEMP.	
ASPHALT.	

COMMENTS: B. COHEN (MPI) ON-SITE 0825-1705
HAHN ON-SITE

VISITORS: NONE

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: TUESDAY 10/24/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 50° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	CONTINUED TO INSTALL 2" SERVICE
2 LABORERS, OPERATOR, TEAMSTER	LINE UP 418 OLD POST ROAD
BEE & JAY: PLUMBER, PLUMBER ASSIST.	DRIVEWAY. INSTALLED 200' OF
	2" COPPER Φ AND REMOVED
	13.67 CY OF ROCK, INSTALLATION
EQUIPMENT: BACKHOE/LOADER, DUMP	FOR 418 SERVICE LINE IS NOT
TRUCK, JUMPING JACK, PRESSURE	COMPLETED. BILOTTA ALSO ATTEMPTED
PUMP.	TO PRESSURE/LEAKAGE TEST PHASE
	II LINE FROM FARMS ROAD TO
	PRESBYTERIAN CHURCH ON POUND RIDGE
DOCUMENTATION RECEIVED: NONE	ROAD. BILOTTA WAS UNABLE TO
	SUSTAIN PRESSURE FOR TEST.

COMMENTS: B. COHEN (MP) ON-SITE 0810 - 1630
HAHN ON-SITE

VISITORS: NONE

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. _____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: FRIDAY 10/25/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 50° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, FOREMAN,	COMPLETED INSTALLATION OF SERVICE
2 LABORERS, OPERATOR, TEAMSTER	LINE FOR 418 OLD POST ROAD. INSTALLED
BEE & JAY: 1 PLUMBER	140' OF 1" COPPER Φ AND
	REMOVED 8.27 CY OF ROCK.
	1" COPPER LINE WAS CONNECTED TO
EQUIPMENT: BACKHOE/LOADER, HOE RAM/	2" LINE AND RAN UP THROUGH
LOADER, PRESSURE PUMP, JUMPING	PROPERTY TO 418 WHERE THE 1"
JACK, DUMP TRUCK	LINE WAS BROUGHT INTO THE HOUSE.
	BILOTTA ALSO ATTEMPTED
	PRESSURE/LEAKAGE TESTING OF
DOCUMENTATION RECEIVED: NONE	PIPE II LINE FROM FARMS ROAD
	TO PRESBYTERIAN CHURCH, BUT WAS
	UNABLE TO SUSTAIN PRESSURE

COMMENTS: B. COHEN (MPI) ON-SITE 0810 - 1625
HAHN ON-SITE

VISITORS: _____

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. ____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: MONDAY 10/28/96
CONTRACT Bedford Water Supply WEATHER: CLOUDY
LOCATION: Bedford, New York TEMPERATURE: ≈ 65° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, 3 LABORERS,	RAKED AND CLEANED AREA OF
OPERATOR, TEAMSTER	SERVICE INSTALLATIONS FOR 418
	AND 416 OLD AST ROAD.
	BILOTTA ATTEMPTED TO PRESSURE
	TEST PHASE II LINE BUT
EQUIPMENT: BACKHOE/LOADER,	WAS UNABLE TO SUSTAIN PRESSURE.
DUMP TRUCK, JUMPING JACK	
DOCUMENTATION RECEIVED: NONE	

COMMENTS: B. COHEN (MPI) ON-SITE 0835-1610
HAHN ON-SITE
NOTE: AT 1300 HOURS COHEN, D. CAIAZZO (BILOTTA), AND T. KUGLER (GEE & JAY) MET WITH OWNER OF EMPIRE BLDG. PROPERTY TO DISCUSS WHERE SERVICE LINES WILL BE INSTALLED.

VISITORS: TED KUGLER (GEE & JAY)

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: TUESDAY 10/29/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 50° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, 3 LABORERS,	INSTALLED 86' OF 1" COPPER &
OPERATOR, TEAMSTER	FOR POST OFFICE. BILOTTA ALSO
BEE & JAY: PLUMBER, PLUMBER ASSIST.	ATTEMPTED TO PRESSURE TEST
	PHASE II LINE BUT WAS UNABLE
	TO SUSTAIN PRESSURE. BILOTTA
EQUIPMENT: BACKHOE/LOADER, DUMP	REINSTALLED LAST 18' SECTION OF
TRUCK, JUMPING JACK, PRESSURE	8" DIP & ON THE FARMS ROAD. THIS
PUMP.	SECTION PULLED OUT DURING
	PRESSURE TEST - END OF SECTION
	WAS NOT BRACED PROPERLY TO
DOCUMENTATION RECEIVED: NONE	PREVENT SECTION FROM PULLING
	OUT.

COMMENTS: B. COHEN (MPI) ON-SITE 0805-1615
HAHN ON-SITE

VISITORS: TED KUGLER (BEE & JAY)

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: WEDNESDAY 10/30/96
CONTRACT Bedford Water Supply WEATHER: LIGHT RAIN
LOCATION: Bedford, New York TEMPERATURE: ≈ 55° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, 3 LABORERS,	INSTALLED 147' OF 2" COPPER Φ
OPERATOR, TEAMSTER	FOR THE FIRE HOUSE. BILOTTA
BEE & JAY: PLUMBER, PLUMBER ASSIST.	ALSO PLACED TEMP. ASPHALT
	FOR FIRE HOUSE AND POST OFFICE,
	55.30 YD^2 OF TEMP. ASPHALT
EQUIPMENT: BACK HOE/LOADER,	WAS PLACED IN TOTAL. BILOTTA
DUMP TRUCK, JUMPING JACK,	REINSTALLED 6" DIP Φ SECTION
PLATE TAMPER	CONNECTED TO HYDRANT GATE VALVE
	AT ST. PATRICK'S CHURCH. SECTION
	WITH VALVE PULLED OUT DURING
DOCUMENTATION RECEIVED: TRUCKING	PRESSURE TEST YESTERDAY, 10/29/96,
TICKET FOR TEMP. ASPHALT.	DUE TO VALVE NOT BEING PROPERLY
	BRACED - HYDRANT WAS NOT INSTALLED
	WITH THRUST BLOCK AS OF YET.

COMMENTS: B. COHEN (MPI) ON-SITE 0830 - 1625
HAHN ON-SITE
NOTE: BI-WEEKLY PROGRESS MEETING WAS HELD AT ≈1330 - 1450 IN FIELD TRAILOR.

VISITORS: PROGRESS MEETING ATTENDEES

SIGNATURE: Byron L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: THURSDAY 10/31/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 60° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, 3 LABORERS,	INSTALLED 160' OF 1" COPPER Q,
OPERATOR, TEAMSTER	~~BILOTTA~~ BLL 1" CURB VALVE, AND PLACED
BEE & JAY: PLUMBER, PLUMBER ASS'T.	37.03 YD² OF TEMP. ASPHALT FOR
	# 618-634 VILLAGE GREEN (OLD POST
	ROAD).
EQUIPMENT: BACKHOE/LOADER, DUMP	NOTE: SOIL REMOVED WHILE EXCAVATING
TRUCK, JUMPING JACK, PLATE	IN AREA WHERE CURB VALVE WAS
TAMPER, PRESSURE PUMP.	INSTALLED HAD A STRONG PETROLEUM-
	LIKE ODOR. SOIL REMOVED WAS
	PLACED BACK AS BACK-FILL.
DOCUMENTATION RECEIVED: TRUCKING	NOTE: 618-634 IS ADJACENT TO
TICKET FOR TEMP. ASPHALT.	~~GET~~ FORMER GASOLINE STATION PROPERTY.
	BILOTTA ALSO PRESSURE TESTED PHASE II
	LINE FROM FARMS ROAD TO
	PRESBYTERIAN CHURCH. PRESSURE
COMMENTS: B. COHEN (MPI) ON-SITE 0810 - 1610	
HAHN ON-SITE	
NOTE: LABORER CUT HIS HAND ON LOADER BUCKET. LABORER	
WAS BROUGHT TO NORTHERN WESTCHESTER HOSPITAL E.R. ROOM FOR STITCHES.	

VISITORS: NONE.

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/31/96
CONTRACT Bedford Water Supply WEATHER: ~~~
LOCATION: Bedford, New York TEMPERATURE: ~~~

ACTIVITIES PERFORMED (continued):

WAS PUMPED INTO LINE AT 230 PSIG. ~~BACK~~ (GLC) THE PUMP WAS TURNED OFF AND NO ADDITIONAL PRESSURE OR WATER WAS ADDED. THE PRESSURE GRADUALLY ROSE IN THE FIRST HOUR TO 250 PSIG. THE PRESSURE STABILIZED AT 250 PSIG AND REMAINED FOR THE SECOND HOUR. THE PRESSURE WAS AT 250 PSIG AT THE END OF THE TWO HOUR TEST. QUESTIONS STILL REMAIN REGARDING WHY THE PRESSURE ROSE FROM 230 TO 250 PSIG IN THE FIRST HOUR.

COMMENTS: ~~~

VISITORS: ~~~

SIGNATURE: [signature]

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: FRIDAY 11/1/96
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 40°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, 2 LABORERS,	INSTALLED 150" OF 1" COPPER Ø
OPERATOR	FOR 5 COURT ROAD AND 68' OF
BEE & JAY: PLUMBER, PLUMBER ASSIST.	1" COPPER Ø FOR 3 COURT ROAD.
	BILOTTA ALSO PLACED SEED
	AND RAKED GRASSY AREA FOR
EQUIPMENT: BACK-HOE/LOADER, JUMPING	5 COURT ROAD.
JACK.	NOTE: SERVICE LINE FOR 3 COURT
	ROAD WAS INSTALLED IN EMPIRE
	BLDG. (NORTH EAST CORNER). THIS
	LINE WILL EVENTUALLY TIE INTO 3
DOCUMENTATION RECEIVED: NONE	COURT ROAD'S EXISTING LINE WHICH
	RUNS FROM THE EMPIRE BLDG TO
	3 COURT ROAD.

COMMENTS: E. FRITSCH (MA) ON-SITE 0800-1130, D. COTE ON-SITE 0945-1610 HAHN ON-SITE

NOTE: A MEETING WAS HELD AT 1000 HOURS AT EMPIRE BLDG. PROPERTY TO DETERMINE LOCATION FOR SERVICE LINE INSTALLATION FOR COURT HOUSE AND EMPIRE BLDG.

VISITORS: K. KAISER (MPI), J. HAHN (HAHN'S), T. KUGLER (BEE & JAY), L. JOHANNES (TOWN), J. OSTERMAN (TOWN)

SIGNATURE: By L. Cote

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: MONDAY 11/4/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 45° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, 2 LABORERS,	INSTALLED 220' OF 1" COPPER ϕ
OPERATOR	FOR EMPIRE BLDG. BILOTTA
BEE & JAY: PLUMBER, PLUMBER ASSIST.	REMOVED A BURIED ~~A~~ (CC) CONCRETE
	STAIRWAY AT HOOK-UP LOCATION
	FOR EMPIRE BLDG. STAIRWAY
EQUIPMENT: BACK HOE/LOADER,	NEEDED TO BE BROKEN-UP AND
JUMPING JACK.	REMOVED IN ORDER FOR LINE
	TO BE INSTALLED INTO BLDG.
	CORNER OF BLDG. GAVE BILOTTA
	HIS CONSENT TO BREAK-UP AND
DOCUMENTATION RECEIVED: ~~NONE~~ (BLC) REC'D	REMOVE CONCRETE STAIRWAY.
RECEIPT FOR T&E FOR REMOVAL OF	
CONCRETE STAIRWAY.	

COMMENTS: B. COHEN (MPI) ON-SITE 0830-1625
HAHN ON-SITE

VISITORS: NONE

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: WEDNESDAY 11/6/96
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 50°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): INSTALLED
BILOTTA: SUPERVISOR, OPERATOR,	25' OF 1" COPPER Ø FOR
~~BILL~~ 3 LABORERS	BIXLER BLDG. AND 65' OF
BILL & JIM: PLUMBER, PLUMBER ASSIST	1" COPPER Ø FOR LIBRARY.
	ALL EXCAVATION AND MOST
	OF THE BACKFILLING WAS
EQUIPMENT: BACKHOE/LOADER,	CONDUCTED BY LABORERS.
JUMPING JACK	BILOTTA ALSO GRADED AND
	PREPARED NEW WELL LOCATION
	AREA AT THE PUMP HOUSE
	~~FOR~~ TO MAKE AREA MORE
DOCUMENTATION RECEIVED: REC'D	ACCESSIBLE FOR WELL DRILLER.
CERTIFIED PAYROLL FOR	
OCTOBER.	

COMMENTS: B. COHEN (MPI) ON-SITE @ 830 - 1625
HAHN ON-SITE
NOTE: NO WORK CONDUCTED YESTERDAY DUE TO PRESIDENTIAL ELECTIONS (11/5/96).

VISITORS: NONE

SIGNATURE: [signature]

DAILY REPORT

MALCOLM PIRNIE

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104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: THURSDAY 11/7/96
CONTRACT Bedford Water Supply WEATHER: LIGHT RAIN
LOCATION: Bedford, New York TEMPERATURE: ≈ 55° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, 3 LABORERS,	INSTALLED 3 FIRE HYDRANTS
OPERATOR	(# 19, 20, 3), 6'-10" OF 6"
	DIP ϕ TOTAL FOR PIPE CONNECTIONS
	FROM HYDRANT SIDES TO GATE
	VALVES, AND 3 CY OF CONCRETE
EQUIPMENT: BACKHOE/LOADER,	FOR THRUSTBLOCKS FOR HYDRANTS
JUMPING JACK	AND ~~GATE VALVE~~ BLO FOR HYDRANT
	# 19 TEE. BILOTTA ALSO
	PLACED SEED FOR EMPIRE
	BLDG. PROPERTY.
DOCUMENTATION RECEIVED: NONE	NOTE: HYDRANT # 19 IS INFRONT OF
	5 LAKE AVE, # 20 IS INFRONT OF
	25 LAKE AVE, AND # 3 IS INFRONT
	OF ST PATRICK'S CHURCH

COMMENTS: B. COHEN (MPI) ON-SITE 0810 - 1625
HAHN ON-SITE

VISITORS: JIM SCHREYER (DEC)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. _____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: FRIDAY 11/8/96
CONTRACT Bedford Water Supply WEATHER: RAIN
LOCATION: Bedford, New York TEMPERATURE: ≈ 60°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, 3 LABORERS,	INSTALLED HYDRANT # 15 AN
OPERATOR	# 16 ON COURT ROAD, ~~14~~ (BLC)
	2'-6" OF 6" DIP Φ TOTAL FOR CONNECTING
	HYDRANT SHOES WITH GATE VALVES,
	1.5 CY CONCRETE FOR HYDRANT
EQUIPMENT: BACKHOE/LOADER,	THRUST BLOCKS, AND A 2"
JUMPING JACK	BLOW-OFF VALVE AT THE
	END OF COURT ROAD. MAIN.
DOCUMENTATION RECEIVED: NONE	
COMMENTS: B. COHEN (MPI) ON-SITE 0800-1625	
HAHN ON-SITE	

VISITORS: TED KUGLER (BLC & JAY)

SIGNATURE: By L Cohen

DAILY REPORT

MALCOLM PIRNIE

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104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: TUESDAY 11/12/96
CONTRACT Bedford Water Supply WEATHER: PARTLY CLOUDY
LOCATION: Bedford, New York TEMPERATURE: ≈ 35° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BILOTTA
BILOTTA: SUPERVISOR, 3 LABORERS, OPERATOR	INSTALLED HYDRANT #1 (CORNER OF COURT RD. AND RT. 22), HYDRANT #2 (IN FRONT OF PRESBYTERIAN CHURCH ON VILLAGE GREEN), 2 CONCRETE THRUST BLOCKS @ 3/4 CY EACH (1.5 CY TOTAL), AND 14'-2" OF 6" DIP Ø FOR FIRE HYDRANT CONNECTIONS TO GATE VALVES (14' FOR HYDRANT #2 AND 13' FOR HYDRANT #1). BILOTTA ALSO ATTEMPTED TO PRESSURE TEST PIPE & LINE BUT WAS UNABLE TO ACHIEVE THE REQUIRED 200 PSIG.
EQUIPMENT: BACK-HOE/LOADER, PRESSURE PUMP, JUMPING JACK	
DOCUMENTATION RECEIVED: NONE	

COMMENTS: B. COHEN (MPI) ON-SITE 0820 - 1615
HAHN ON-SITE
NOTE: BILOTTA WAS NOT ON-SITE YESTERDAY DUE TO VETERAN'S DAY.

VISITORS: NONE

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: FRIDAY, 12/13/96
CONTRACT Bedford Water Supply WEATHER: LIGHT RAIN
LOCATION: Bedford, New York TEMPERATURE: ≈45° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
BILOTTA : SUPERVISOR	NO WORK WAS CONDUCTED TODAY. BILOTTA ON-SITE TO MARK OUT PROPOSED WELL LOCATION AND MEET WITH DRILLING CONTRACTOR TO SET UP FOR MONDAY 12/16/96 OPERATIONS.
EQUIPMENT: NONE	
DOCUMENTATION RECEIVED: NONE	

COMMENTS: B. COHEN ON-SITE 1145 - 1250
NOTE: D. CAIZZO (BILOTTA) INDICATED PROPOSED WELL LOCATION WAS RELOCATED BY HAHN DUE TO POWER LINES EXISTING ABOVE ORIGINAL PLANNED LOCATION. HRSC DRILLER WAS NOT ON-SITE WHEN MPI WAS PRESENT. D. CAIZZO INDICATED DRILLER WOULD BE ON-SITE BY LATE AFTERNOON

VISITORS: NONE

SIGNATURE: B. J. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: MONDAY 12/16/96
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 45° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BOYD INSTALLED
BOYD ARTESIAN WELL CO. – 2 DRILLERS	A 16" STEEL CASING TO ABOUT 15' BG. AND PROCEEDED TO DRILL A 14 3/4" HOLE TO 50' B.G.
EQUIPMENT: DRILL RIG, SMALL BACK-HOE	
DOCUMENTATION RECEIVED: NONE	
COMMENTS: B. COHEN (MPI) ON-SITE 0920 – 1705 HAHN ON-SITE (L. WILBUR, A. KOZAK)	

VISITORS: H. BOYD, S. BOYD (BOYD), J. SCHELLER (NYSDEC), C. JOHANNES (TOBW), E. WEIDELER, K. KAISER (MPI)

SIGNATURE: B. J. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: TUESDAY 12/17/96
CONTRACT Bedford Water Supply WEATHER: LIGHT RAIN
LOCATION: Bedford, New York TEMPERATURE: ≈ 45° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
BOYD ARTESIAN WELL CO. - 2 DRILLERS	BOYD CONTINUED TO DRILL DOWN TO 103' BG. (STARTED FROM ABOUT 50', THEREFORE ABOUT 53' WAS DRILLED TODAY).
EQUIPMENT: DRILL RIG, SMALL BACK-HOE	
DOCUMENTATION RECEIVED: NONE	
COMMENTS: B. COHEN (MPI) ON-SITE. 0915 - 1550 HAHN ON-SITE (L. WILBUR, A. KOZAK)	

VISITORS: L. JOHANNES (TOBW), J. DINNER, G. HAYES (TOD), E. WEIDERKEER (MPI)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. _____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: WEDNESDAY 12/18/96
CONTRACT Bedford Water Supply WEATHER: PARTLY CLOUDY
LOCATION: Bedford, New York TEMPERATURE: ± 45° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BOYD
BOYD ARTESIAN WELL CO.: 2	CONTINUED TO DRILL 34'
DRILLERS	(TOTAL DEPTH ~~OF~~ HOLE IS 137'
	BG.). BOYD ALSO INSTALLED
	58'-1" OF 12" STEEL CASING.
	THIS WORK WAS CONDUCTED FOR
EQUIPMENT: DRILL RIG.	THE NEW WELL AT THE PUMP
	HOUSE ON THE FARMS ROAD.
DOCUMENTATION RECEIVED: NONE	

COMMENTS: B. COHEN (MPI) ON-SITE 0800 - 1720
HAHN ON-SITE

VISITORS: L. JOHANNES (TOBW)

SIGNATURE: By L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: THURSDAY 12/19/96
CONTRACT Bedford Water Supply WEATHER: RAIN
LOCATION: Bedford, New York TEMPERATURE: ≈ 40°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
BOYD ARTESIAN WELL CO. - 2 DRILLERS	BOYD INSTALLED 59'-1" OF 12" STEEL CASING FOR NEW WELL AT PUMP HOUSE ON THE FARMS ROAD.
EQUIPMENT: DRILL RIG.	
DOCUMENTATION RECEIVED: NONE	
COMMENTS: B. COHEN (MPI) ON-SITE 0905-1605	
HAHN ON-SITE	

VISITORS: J. OSTERMANN (TOB)

SIGNATURE: By T. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: FRIDAY 12/20/96
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ≈ 25° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BOYD
BOYD ARTESIAN WELL CO. - 2 DRILLERS	INSTALLED 21'-4" OF 12" STEEL CASING AND DRILLED DOWN 9' (TO DEPTH OF 146' BG) WITH 8" DRILL BIT FOR NEW WELL ON THE FARMS ROAD.
EQUIPMENT: DRILL RIG	
DOCUMENTATION RECEIVED: NONE	
COMMENTS: B. COHEN (MPI) ON-SITE 0845 - 1715 HAHN ON-SITE	

VISITORS: H. BOYD (BOYD), TOBW,

SIGNATURE: B. K. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PAGE 1 OF 1
REPORT NO. _____

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: THURSDAY 12/26/96
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 30°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BOYD DRILLED
BOYD ARTESIAN WELL CO. - 2 DRILLERS	14' (TO DEPTH OF 160' BG.)
BILOTTA - SUPERVISOR	WITH 8" DRILL BIT FOR
	NEW WELL ON THE FARMS
	ROAD.
EQUIPMENT: DRILL RIG	
DOCUMENTATION RECEIVED: NONE	
COMMENTS: B. COHEN (MPI) ON-SITE 0905 - 1500	
HAHN ON-SITE	
NOTE: NO WORK WAS CONDUCTED DECEMBER 23, 24, OR 25, 1996.	

VISITORS: TOBW, TCB

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16
CONTRACT Bedford Water Supply
LOCATION: Bedford, New York

DATE: THURSDAY 1/2/97
WEATHER: OVERCAST
TEMPERATURE: ≈ 35°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BOYD
BOYD ARTESIAN WELL CO.: 2 DRILLERS	INSTALLED 4" STEEL CASING IN PREPARATION TO DEVELOP WELL VIA AIR LIFTING. DEVELOPMENT IS FOR NEW WELL CONSTRUCTION AT THE FARMS HOUSE PUMP HOUSE
EQUIPMENT: HOIST TRUCK	
DOCUMENTATION RECEIVED: NONE	
COMMENTS: B. COHEN (MPI) ON-SITE 1120 - 1615 HAHN ON-SITE	

VISITORS: E. WEIDERKEHR (MPI)

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 1/3/97 FRIDAY
CONTRACT Bedford Water Supply WEATHER: OVERCAST
LOCATION: Bedford, New York TEMPERATURE: ≈ 40°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
BOYD ARTESIAN WELL CO.: 2 DRILLERS	BOYD COMPLETED INSTALLING 4" STEEL CASING AND BEGAN DEVELOPING HOLE ~~#0~~ VIA AIR LIFTING FOR NEW WELL AT PUMP HOUSE ON THE FARMS ROAD.
EQUIPMENT: HOIST TRUCK, AIR COMPRESSOR	
DOCUMENTATION RECEIVED: NONE	
COMMENTS: B. COHEN (MPI) ON-SITE 0845 - 1645 HAHN ON-SITE	

VISITORS: L. JOHANNES (TOBW), A. KOZAK (HAHN)

SIGNATURE: B. L. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: MONDAY 1/6/97
CONTRACT Bedford Water Supply WEATHER: PARTLY CLOUDY
LOCATION: Bedford, New York TEMPERATURE: @ 45° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BOYD
BOYD ALTESIAN WELL CO.: 1 DRILLER	CONTINUED TO DEVELOP HOLE FOR NEW WELL AT THE PUMP HOUSE ON THE FARMS ROAD VIA AIR LIFTING.
EQUIPMENT: AIR COMPRESSOR	
DOCUMENTATION RECEIVED: NONE	
COMMENTS: B. COHEN (MPI) ON-SITE 1020 - 1605 HAHN ON-SITE	

VISITORS: L. JOHANNES (TOBW), J. OSTERMANN (TOB)

SIGNATURE: B. J. Cohen

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: TUESDAY 1/7/97
CONTRACT Bedford Water Supply WEATHER: CLEAR
LOCATION: Bedford, New York TEMPERATURE: ± 35° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used): BOYD
BOYD ARTESIAN WELL CO. 1 DRILLER	CONTINUED TO DEVELOP
	HOLE FOR NEW WELL AT
	PUMP HOUSE ON THE FARMS
	ROAD VIA AIR LIFTING.
EQUIPMENT: AIR COMPRESSOR	
DOCUMENTATION RECEIVED: NONE	
COMMENTS: B. COHEN (MPI) ON-SITE @ 850 - 1545	
HAHN ON-SITE	

VISITORS: TODD, SIMMONS, D. CAIZZO (BILOTTA)

SIGNATURE: By J. Cohen

MALCOLM PIRNIE

MALCOLM PIRNIE, INC.

BY..... DATE 7/9/97 SHEET NO. 1 OF.....

CHKD. BY..... DATE..... JOB NO.....

SUBJECT Quantity Summary (Paving)

(* in SQUARE YARDS)

DATE	D.O.T. SHOULDER BASE	TOWN R.O.W. BASE	ASPHALT BINDER	ASPHALT TOP	LOCATION
6/17	259.21	199.89	611.81	—	SHELL
6/18	—	88.48	—	18.03	ORIGINAL
	—	—	165.11	152.64	SHELL
6/19	—	—	—	1162.14	SHELL
	—	110.22	—	200.18	ORIGINAL
6/20	—	—	—	—	—
6/23	—	—	—	—	—
6/24	—	—	—	23.35	~~SHELL~~
				184.91	ORIGINAL
6/25	—	—	—	—	—
6/26	—	—	—	—	—
6/27				337.91	ORIGINAL
6/30	—	—	—	—	—
7/1	—	—	—	—	—
7/2	—	—	—	—	—
7/3	—	—	—	—	—
7/8*	—	678.25	—	—	ORIGINAL

* PAVING BY BILOTTA

RECYCLED PAPER

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/16/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 Flagwomen	(1) Removed temporary pavement around Shell station at Route 22/172 intersection - north side of Shell along 172 E - east side of Shell along 22 S - small section on 22 N across from Shell - parking lot behind gas station Placed and compacted Item 4 material at all excavated locations noted above
4 Laborers	
2 Operators	
EQUIPMENT:	
1 CAT 446 B Excavator	
1 CAT 936 Earthmover	
2 Dump trucks	
DOCUMENTATION RECEIVED:	
	(2) Started demolition of concrete floor at pump house

COMMENTS:

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/16/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (continued):

Measurements:

(Shell) Item 4 = 16.89 cy

COMMENTS:

VISITORS:

SIGNATURE: Jan-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/17/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 Flagwomen; 4 laborers; 5 mes paving crew; + operators	① Completed excavation of temporary pavement behind Shell Station
	② DOT shoulder base course along 172 E + 22 S adjacent to Shell + 22 N across from Shell
EQUIPMENT:	③ DOT shoulder binder course along 172 E + 22 S adjacent to Shell & 22 North across from Shell & 22 N north of 172 intersection to Cruden Rd.
CAT 936 (earthmover)	
CAT 446 B (excavator)	
CAT 225 (excavator)	
DOCUMENTATION RECEIVED:	④ Town ROW base course at Locust Drive
	⑤ Pump house – excavated on east side & removed existing 6"Ø pipe sections; demolition of floor slab
COMMENTS:	

VISITORS: DEC. Inspector Jim Schreyer

SIGNATURE: Jean-Marie Jacob

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/17/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (continued):

in Northeast corner; installation of 6"Ø D.I.P. to existing

Quantities:

① Pipe Sections (6"Ø D.I.P.) = (1) one 6-ft section
(1) one 2-ft section
(1) one 8" elbow

② Shell
Item #1 = 1.14 cy
DOT Shoulder Base course = 259.21 sy
TOWN R.O.W. BASE course = 199.89 sy
DOT Shoulder BINDER course = 611.81 sy

COMMENTS:

VISITORS:

SIGNATURE: Joan Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/18/97
CONTRACT Bedford Water Supply WEATHER: OVERCAST A.M. / RAIN P.M
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
5 man paving Crew	① excavated temporary pavement & installed Item 4' & parking lot adjacent to fieldhouse and Cascade driveway and Tomasso's lot
EQUIPMENT:	② Binder placed on 22 S near Perennial Gardens & 22N just north of Custer & 225 directly across
DOCUMENTATION RECEIVED:	③ Top course ground Shell station on 172 E & Lowell
	④ Town ROW base at mall

COMMENTS: Quantities

① Original Contract

Town R.O.W. Base =	88.48 sy
Top Course =	18.07 sy
Item 4 =	10.85 cy

② Shell

Item 4 =	4.24 cy
DOT Shoulder Binder =	165.11 sy
TOP course =	152.64 sy

VISITORS:

SIGNATURE: Jean-Marie Jarvis

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/19/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 85°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
	@ Pavers placed top course material
	- Shell station parking lot
	- Locust Drive
	- 22 S adjacent to Shell
EQUIPMENT:	- 22 N, north of Custer ~~road~~ road heading south across from Shell
	- 22 S from hydrant in front of Perennial Gardens, south to area just north of Custer Rd.
DOCUMENTATION RECEIVED:	- Mall adjacent to Chase
	- Mall adjacent to Perennial
	- Custer Rd by Hydrant & across road width
	~~- Court Rd, two locations~~

COMMENTS:

VISITORS: _____

SIGNATURE: Jean-Marie Jarvis

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/19/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 85°

ACTIVITIES PERFORMED (continued):

~~Across the road width~~
- 22 South across from St Patrick's school
② Excavation of temporary pavement at the farm Road, placement and compaction of Item 4 material, placement of Town R.O.W. Base course
③ Pavers place Town R.O.W Base course on Court Rd, two locations across road width

QUANTITIES:

① Shell
- TOP COURSE = 1162.14 sy

② Original Contract
- ITEM 4 = ~~8.80 cy~~ 8.80 cy
- TOWN R.O.W
BASE COURSE = 110.22 sy
- TOP COURSE = 202.18 sy

COMMENTS:

VISITORS:

SIGNATURE: Jean-Marie James

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/20/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 89°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers	① Placed thrust blocks at
1 operator	90° e/s for influent lines
	at pump house
	② Repaired sidewalk in town
	along Route 22 N
EQUIPMENT: CAT 446B EXCAVATOR	
	Quantities:
	① Original Contract Sidewalk Rest.
	- ~~Asphalt~~ Concrete side walk = 80 sf
	- Item 4 subbase = 1 cy
DOCUMENTATION RECEIVED:	
COMMENTS:	

VISITORS: _____

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

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REPORT NO. 6

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/23/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 84°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers	① Pumphouse - Backfilled 6" lines on east side; excavated around perimeter of structure; demolition of concrete floor slab in southwest corner
1 operator	
3 man plumbing crew	
2 electricians	
	- Plumbers started installing piping
EQUIPMENT:	- Electricians started installing junction box
CAT 446 B (EXCAVATOR)	② Removed temporary paving + installed item 4 at 289 R.22
	③ Removed pavement on roadway / driveway behind mall (southern house)
DOCUMENTATION RECEIVED:	

COMMENTS: Measurements:

Item 4 (Shell) = 12.36 cy

VISITORS: _____

SIGNATURE: Jessi Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/24/97
CONTRACT Bedford Water Supply WEATHER: Overcast / partly sunny
LOCATION: Bedford, New York TEMPERATURE: 86°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 FLAGWOMEN 1 OPERATOR	① Continued excavation of temporary
2 LABORERS 1 DRIVER (DT)	pavement in driveway behind
PAVING CREW	wall; compacted material
	② Removed temporary pavement at
	route 22 crossing in front of
EQUIPMENT: CAT 446B (EXCAVATOR)	Prudential realty & Bank of NY
DUMP TRUCK	in Town; excavated to main,
	tapped into Main & ran 1"
	copper service to Exxon property
	on 22 S; backfilled w/ soil
DOCUMENTATION RECEIVED:	overlain by K-crete
ASPHALT TICKETS	③ Plumbers continue piping
K-CRETE TICKET	installation at pumphouse
	④ Laid asphalt top course
	at:

COMMENTS: ERIC FRITSH ON SITE TODAY

VISITORS: JACK WHITTAKER (DOT, 11-11:30)

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/24/97
CONTRACT Bedford Water Supply WEATHER: Overcast / partly sunny
LOCATION: Bedford, New York TEMPERATURE: 96°

ACTIVITIES PERFORMED (continued):

289 Rt 22 (House 22 N across from Shell); South Brook Rd; [redacted] Farms Rd; Victor Ave; behind Mall.

Quantities:

① New 1" service
- 1"Ø service across 22 = 24'
- 1"Ø service at shalder = 12'
- K-crete = 5.33 cy
- shutoff valve = 1

② Top Course (Shell) = 23.35 sy

③ Top Course (Graded) = 184.91 sy

COMMENTS:

VISITORS: _____

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/25/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 97°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers 1 operator	① excavated temporary pavement a installed Item 4 in Back of
1 DT Driver	NY parking lot (Route 22 S in town)
Plumbing Crew (3) + plumber on + off	② Placed temporary asphalt across Route 22 in town where 1" service was installed 6/24 (in front of Back of NY lot)
EQUIPMENT:	③ Plumbers continued installation at pumphouse
CAT 446 B	④ Miscellaneous cleanup around project site
1 Dump Truck	
DOCUMENTATION RECEIVED:	Quantities:
Ticket for Binder Course Type 3 (temporary asphalt)	① Temporary asphalt = 7.56 sy
	② Item 4 = 121.40 cy (original contract)
COMMENTS:	

VISITORS: KEN KAISER (MPI) ~ 3 pm

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/26/97
CONTRACT Bedford Water Supply WEATHER: Partly Cloudy
LOCATION: Bedford, New York TEMPERATURE: 89°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 laborer	① - Excavation a north side of pumphouse for placement of hydropneumatic tank pad
1 operator	- Place & compacted crushed stone for pad
	- General site grading around pumphouse
EQUIPMENT:	② Repair at firehouse in response to complaint about flooding
CAT 225 excavator	- excavated at northern end of driveway adjacent to structure, placed a concrete patch against the wall, backfilled and place cold patch asphalt
CAT 936 earthmover	
CAT 446B excavator	
CAT D3B	
DOCUMENTATION RECEIVED:	③ Cleaning grading at Virginia Cove.

COMMENTS: Progress mtg held at site ≈ 1:30 pm

Quantities:

CONCRETE PAD CRUSHED STONE = 5.93 CY

VISITORS: _____

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 16

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/27/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
7 man paving crew	① Placed top course material at:
	- Bank of NY Parking lot
	- Arcade Bldg. Parking lot
	- 2 locations across Court Rd.
	- Firestone Driveway
EQUIPMENT:	② Subcontractor laid form work for hydropneumatic tank concrete pad.
DOCUMENTATION RECEIVED: Ticket for asphalt top course material	Quantities: (ORIGINAL CONT.) ASPHALT TOP COURSE = 337.91 SY

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 6/30/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 89°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
Plumbing Crew (2-man all day + 1-man ½ day)	① Plumbing crew at pump house continued installing pipe
Concrete Sub (1-man)	② Concrete subcontractor laid reinforcing for hydropneumatic tank pad; installed reinforcing around pumphouse perimeter in existing subgrade concrete
EQUIPMENT: —	③ mtg at pumphouse (11 a.m) concerning electric service
	attendees:
DOCUMENTATION RECEIVED: —	Eric Fritsch, Jean-Marie Janos (MPI)
	Dennis Wilson (Wilson Electric)
	Jim Hahn (Hahn Eng)
	Ronald Mangione (Antonucci & Lawlers)
	Nick Romano (NYSEG)
COMMENTS:	Dennis Caiazzo (Bilotta)

VISITORS: Robert W. Hunt (State Insurance Fund) @ 11:30 a.m

SIGNATURE: Jean-Marie Janos

ANTONUCCI & LAWLESS
ARCHITECTS & ENGINEERS
480 NORTH BROADWAY
YONKERS, NY 10701

(914) 423-8844
(212) 475-0870
FAX (914) 423-8981

RONALD P. MANGIONE, P.E.

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/1/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 86°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 laborer	① Excavation of trench from well to pumphouse for d.i.p pipe and electrical conduit, place both backfilled, compacted + regraded.
1 operator	
2-man plumbing crew (3rd man on + off) through day	
2-man electrical crew (late p.m.)	
1-man concrete subcontractor	② Concrete sub on site laying formwork for pumphouse subgrade around bldg perimeter
EQUIPMENT: CAT 446B	
CAT 225	
CAT D3B	③ Plumbers continue w/ piping work in pumphouse
	④ Site Restoration work at Locust + 172.
DOCUMENTATION RECEIVED:	⑤ on-site mtg @ 2 pm to discuss additional water service installation at Locust (see attendees under comments)

COMMENTS: Dennis Caiazzo, Vito Bilotta (Bilotta)
Eric Fritsch (MPI)
Jim Hahn, Lenore Duwey (Hahn Eng.)
Gerard Burke (NY DEC)
Larry Johannes (Water Dept.)

VISITORS: _____

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/1/96
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 86°

ACTIVITIES PERFORMED (continued):

Quantities:

Place electric conduit = 85'

+ backfill

COMMENTS:

VISITORS:

SIGNATURE: Jan-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

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REPORT NO. 13

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/2/97
CONTRACT Bedford Water Supply WEATHER: CLOUDY/OVERCAST
LOCATION: Bedford, New York TEMPERATURE: 84°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers	① Plumbing crew continued installing piping in pumphouse.
1 operator	② General site restoration along roadway
1 electrician (p.m.)	③ Electrician at pump house continues electrical installation
EQUIPMENT:	④ Walked Rte. 22 from Farms Rd to 22/172 split in town to identify areas to be restored, patched, teched, etc. (E. Fritsch, J. Jaros, D. Caiazzo, L. Dewey)
CAT 446 B	
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie Jaros

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 14

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/3/97
CONTRACT Bedford Water Supply WEATHER: Cloudy/overcast
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers	o General site restoration
1 operator	- Commenced at 172/22 intersection on northbound side of Rt 22, heading north
	- southbound 22 just north of Custer
EQUIPMENT:	- Victor Ave.
CAT 416 B	- Lake Ave.
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/8/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 82°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
5 laborers	Excavation of temporary pavement by retaining wall on Rt. 22 S
1 operator	- paving of some area (commenced ≈ 10:30 a.m.) → three 3-inch lifts of binder base course
2 flag women	
1 D.T. operator	
EQUIPMENT:	
CAT 446B	
1 dump truck	Quantity:
1 roller (~~[illegible]~~ Ingersoll-Rand DD-25)	BINDER BASE COURSE = 678.25 sy
DOCUMENTATION RECEIVED:	② Remeasurement of all paved areas (except last day)
- for asphalt binder material delivered 7/8	- 2 persons from Cahill Paving
	- Dennis Calcedo
	- J.M. Jonas.

COMMENTS: B. Lotte crew performed all paving work: no paving subcontractor on site.

VISITORS: _____

SIGNATURE: Jean-Marie

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/9/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 87°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers (3rd 9:30-1:30)	① Pump house — removed concrete
1 operator	formwork from perimeter of structure; backfilled and compacted along south + east sides
	② Restoration work - crushed stone
EQUIPMENT:	placed + compacted along Rt.
CAT D3B dozer	22 S @ 172/22 split at
CAT 446B excavator	west edge of new pavement adjacent
	to retaining wall; placement of
	top soil in front of school on
DOCUMENTATION RECEIVED:	Court road

COMMENTS: Erie Fuel on site

VISITORS: Jack Whittaker

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF ___
REPORT NO. ____

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/10/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 82°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
Plumbing Crew (2)	① Piping + Electrical installation
Electrician (1)	at pumphouse
	- plumbing crew off-site ≈ 11:30
	- electrician off-site ≈ 12:15
EQUIPMENT:	
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS: _____

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/11/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 86° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
3 laborers	① Locust - installed 1" copper services from tap in main along west side of street to #11
1 operator	
1 d.t. operator	
	② Mtg w/ Brian DuBois of DOT concerning paving of Rt 22
EQUIPMENT:	
CAT 446B excavator	
Dump truck	
	Quantities:
	1" copper service = 110'
DOCUMENTATION RECEIVED:	curb stop = 1
T&E slips for 7/10 & 7/11	corporation cock = 1
K-Crete delivery ticket	K-crete = 20.3 cy

COMMENTS:

VISITORS: _____

SIGNATURE: Jean-Marie Jones

BILOTTA CONSTRUCTION CORP.

162 Crotona Avenue
HARRISON, NEW YORK 10528
(914) 835-3263

CUSTOMER'S ORDER NO.	PHONE	DATE
T+E		7-11-97

NAME
ADDRESS Bedford Farms Water District Imp. Project
Contract # D003426

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT	

QTY.	DESCRIPTION	PRICE	AMOUNT
	Installation of 1" copper water service for # 11 locust pl.		
	110' of 1" copper		
	1 - 1" curb stop		
	1 - 1" corp. cock		
	20.3 c.y.s K-crete		
	1 - Supt.		6 hrs.
	1 - Forman		6 hrs.
	2 - Laborers		6 hrs. Ea.
	1 - op. Eng.		6 hrs
	1 - Teamster		6 hrs
	1 - 446 B/H		6 hrs
	1 - 10 wheel Dump		6 hrs.
		TAX	
RECEIVED BY		TOTAL	

2006

All claims and returned goods MUST be accompanied by this bill.

Thank You

DC - Bill

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 19

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/14/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 94°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
3 laborers 1 operator	① At pumphouse - contractor placed sand bed & concrete pads for tank installation (material used is stockpiled material excavated from site) - demolition of north wall of pumphouse to enlarge opening for hydropneumatic tank ② moved to Locust @ 10:30 — installed 1" service, curb stop & 172E for Bdbelle; installed 1" service, curb stop to house @ #11 ③ Electrician at pumphouse in afternoon
EQUIPMENT: CAT 225 excavator CAT D3B dozer CAT 446S excavator	
DOCUMENTATION RECEIVED:	
COMMENTS: Quantities: 1" copper line = 63' curb stop = 1	

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 O.' 1
REPORT NO. 19

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/15/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 77°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
3 laborers	① At pumphouse — sand bedding on concrete pads compacted
1 operator	delivery + ~~installation~~ setting of
4 crane personnel	two 45,000-gallon tanks
2 plumbing crew (11:10 a.m.)	+ 1 hydropneumatic tank
	- shoved foam cores on
EQUIPMENT: CAT 225 excavator	tank exterior which need
CAT 936 earth mover	repair (told that these will be
Marino Crane (3 vehicles including	repaired once tank is placed)
crane unit	② Project mtg in trailer @ 2pm
DOCUMENTATION RECEIVED:	

COMMENTS: ① Issued field memo to Dennis Cuozzo regarding request for compaction of sand bedding (material was subsequently compacted)

VISITORS: _____

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 20

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/16/97
CONTRACT Bedford Water Supply WEATHER: Hazy / partly cloudy
LOCATION: Bedford, New York TEMPERATURE: 88°F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers	① Locust - excavated at #11 for
1 operator	1" service installed / trenching to
3-man sandblasting crew	house foundation; excavation and
2-man plumbing crews (until 12:00)	installation of 1" service
	for curb to #3 Locust
EQUIPMENT: CAT 446 0 excavator	② Pumphouse - sand blasting
	crew starts work on interior of
	west 45,000-gal tank
	Quantities:
DOCUMENTATION RECEIVED:	1" copper service = 112'
	1" copper to curb stop = 12'
	curb stop = 1
	2' blow off valve 1

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 21

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/17/97
CONTRACT Bedford Water Supply WEATHER: Sunny, clear
LOCATION: Bedford, New York TEMPERATURE: 94° F

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
3 laborers	① Restoration work @ #11 and #3 Locust; saw cutting of pavement
4 sand blasters	② Pump house - continued sand blasting of tank interiors; ECCI at site to inspect tank interiors for suitability of coating placement
2 ECCI (tank coatings)	
1 operator (~ 10 a.m)	
EQUIPMENT: CAT 446B excavator	
DOCUMENTATION RECEIVED:	
COMMENTS:	

VISITORS: _____

SIGNATURE: Jean-Marie Jarosz

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 72

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/18/97
CONTRACT Bedford Water Supply WEATHER: Sunny (a.m.), Partly Cloudy (p.m.)
LOCATION: Bedford, New York TEMPERATURE: 90°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
5 laborers	(1) Removal of saw cut pavement +
1 operator	temporary pavement on Locust Ave,
3 teamsters	#425 Rt 22 N, Rt 172 in front of
2 flag women	R.C. church, Rt. 172 north of church,
4-man sandblasting crew	paving of same
2-man ECCI crew (part time)	(2) Pump house - sand blasting
EQUIPMENT: CAT 446 B excavator	crew continued with 45,000-gal
CAT 936 earthmover	tanks; ECCI on site to commence
	spraying but sandblasting profile of
	tank found in need of
DOCUMENTATION RECEIVED:	additional work before this can
Tickets for asphalt materials	start.
	Quantities:
	(A) Town R.O.W Base (Shell) = 56.29 sy
	(B) Town R.O.W Base (original) = 160.56 sy
COMMENTS:	(C) Top course (shell) = 30.11 sy
	(D) Top course (original) = 119.79 sy
	(E) Item 4 (original) = 8.61 cy

VISITORS: _____

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 23

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/21/97
CONTRACT Bedford Water Supply WEATHER: Partly Sunny
LOCATION: Bedford, New York TEMPERATURE: 81°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
3 laborers	
1 operator	① Excavated sawcut pavement at
1 teamster	the west end of Lake St. (#21) and
4-man sand blasting crew	behind Arcade Bldg; top course
1 plumber (@ 2:15 pm)	paving at same plus remaining
	area on Locust.
EQUIPMENT: CAT 446B excavator	② Purchase - sand blasting crew
CAT 936 earthmover	continued work on 45,000-gal
CAT 225 excavator	tanks; contractor moved
	hydropneumatic tank to plumbers
	specifications
DOCUMENTATION RECEIVED:	
Tickets for asphalt material	Quantities:

Shall	Original
Top: 26.18 sy	Top: 70.34 sy
	Item 4 = 0.77 cy

COMMENTS:

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 4/22/97
CONTRACT Bedford Water Supply WEATHER: Partly cloudy
LOCATION: Bedford, New York TEMPERATURE: 85°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers	
1 operator	① Excavated trench from pump
3-man ECCI team (John Siolla on site ≈ 10 a.m.)	house to roadway where
	new pole is to be installed;
	installation and backfill of
	3"Ø SCH. 40 PVC conduit pipe;
EQUIPMENT: CAT 225 excavator	repaired exterior coating of
CAT D3B Dozer	tanks using manufacturer -
CAT 446 B excavator	supplied paint on coating + brushes
	② Sandblasting crew continued
	work on 45,000-gal tanks;
DOCUMENTATION RECEIVED:	interior tank coating operation
	commences on west tank @
	2:45 pm
	③ Electricians continue w/
	wiring

COMMENTS:

VISITORS: Eric Fritsch on-site (p.m)

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 25

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 4/23/97
CONTRACT Bedford Water Supply WEATHER: Partly sunny
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
Foreman only (no work crew)	
4-man sandblasting crew	① Continued sandblasting &
4-man ECCI crew	coating of tank interior
2-man electrician team	② Electricians continue with wiring
	at pump house
EQUIPMENT: —	
DOCUMENTATION RECEIVED:	
COMMENTS: [redacted] Eric Fritsch (NYS) on-site for mtg. w/ Dennis Caccese	

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 26

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/24/97
CONTRACT Bedford Water Supply WEATHER: RAINING
LOCATION: Bedford, New York TEMPERATURE: 60°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
Foreman	① CONTRACTOR replaced shrubbery in front of Banks Bldg.; cleaned trailer
1 Laborer (1/2 day)	
4-man sandblasting crew	
3-man ECCI crew	② Pump house – sand blasting crew finished hydropneumatic tank on manways; ECCI crew continued coating 45,000-gal tanks.
EQUIPMENT:	
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS: Joe Bilotta on site ≈ 11:00

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 27

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/25/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 91°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
4-man ECCI crew	@ Pump House - ECCI crew
2-man Plumbing crew (p.m)	continued coating task interior
Contractor foreman (p.m)	(finished hydropneumatic tank),
	installed manways
	@ NYSEG rep. on-site to
EQUIPMENT:	scope area for new pole
	installation
DOCUMENTATION RECEIVED:	
COMMENTS: Crew Finished on site @ 1:45 p.m.	

VISITORS: _____

SIGNATURE: John Marc Jaros

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/28/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 94°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
Foreman (early a.m. - late p.m.)	① Pumphouse - Concrete subs laid forward for generator pad, poured pad (pm) plus equip. mounts in pumphouse interior, ECCI sprayed manway interior
4-man ECCI crew	
1-man electrical crew (a.m.)	
2-man plumbing crew	
2-man concrete crew	
EQUIPMENT:	② NYSEG installed electrical pole
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 29

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/29/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 82°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
Plumbing Crew (2-man arrives 10:20)	① Plumbers started installing
Contractor Foreman (1:30)	external piping from pumphouse
	to storage tanks
	② Project mtg @ trailer (2pm)
EQUIPMENT:	
DOCUMENTATION RECEIVED:	
COMMENTS:	

VISITORS:

SIGNATURE: Jan Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PAGE 1 OF 1
REPORT NO. 30

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 7/30/97
CONTRACT Bedford Water Supply WEATHER: sunny
LOCATION: Bedford, New York TEMPERATURE: 82°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2-man plumbing crew	① Plumbers continued pipe installation @ pump house
2-man electrical crew	② Electricians ran electrical cable from new pole on Rt 22 to pumphouse + continued wiring work.
Contractor Foreman (≈ 11 a.m.)	③ Two field memos prepared + presented to D. Caruso
EQUIPMENT:	(4) site restoration work @ 11 Locust
DOCUMENTATION RECEIVED:	(5) removal of Bilotta's stockpiled material @ highway dept. yard.

COMMENTS: Eric Fretsel on-site ≈ 11:30 - 12:30
Hahn Eng. electrical engineer ≈ 11:45 - 12:15
Jim Hahn ≈ 1 - 1:15
Joe Bilotta seen on way to trailer ≈ 2pm

VISITORS: see comments

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/1/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 90°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
Foreman (early a.m. - 2:30 pm)	① Plumbers continue interior pumphouse piping work
2-laborers (2:30 pm - 3:00 pm)	② Walked site w/ Lenox Pump (Hahn) to mark valve boxes for DOT Rt. 22 paving project next week.
2-man plumbing crew	③ Electrician installed conduit + wiring on new pole.
EQUIPMENT:	
DOCUMENTATION RECEIVED:	

COMMENTS: Eric Fritsch - MPI inspector on 7/31/97

VISITORS:

SIGNATURE: Jean-Marie Gross

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 32

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/4/97
CONTRACT Bedford Water Supply. WEATHER: Cloudy
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
Contractor Foreman (8:30 a.m, back at 1 pm)	① Removal of asbestos shingles from purpose exterior
2-man asbestos removal crew	② Levy Wilson on-site to expose buried valve boxes
(+ foreman @ 8-9 + 1-2)	
EQUIPMENT:	
DOCUMENTATION RECEIVED:	
COMMENTS: Joe a Jay plumbing and Wilson electrical arrived at site but left after seeing asbestos removal set-up	

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/5/97
CONTRACT Bedford Water Supply WEATHER: Partly Cloudy
LOCATION: Bedford, New York TEMPERATURE: 85°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers	① Pumphouse - demolition of
1 operator	roof, generator installation
1 electrician	and wiring
	② Commenced additional
	tree removal (T+E) - see
EQUIPMENT: CAT 446B	attached for time
CAT 225	
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS:

SIGNATURE:

BILOTTA CONSTRUCTION CORP.

162 Crotona Avenue
HARRISON, NEW YORK 10528
(914) 835-3263

CUSTOMER'S ORDER NO.	PHONE	DATE
T+E		8.04.97

NAME Bedford Farms Water District Imp. Project
ADDRESS Contract # D003489

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT	

QTY.	DESCRIPTION	PRICE	AMOUNT
	T+E for additional tree Removal at pump house as per Eric Gritsch of Malcolm Pirnie		
	1 - Foreman	1 1/2 hr	
	1 - Laborer	1 1/2 hr.	
	1 - operating Eng.	1 1/2 hr	
	1 - 446 Bkt	1 1/2 hr.	
	1 - Chain Saw	1/2 hr	
		TAX	
		TOTAL	

RECEIVED BY Jean-Marie Jaros (MPI)

2007

All claims and returned goods MUST be accompanied by this bill.

Thank You

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 34

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/6/97
CONTRACT Bedford Water Supply WEATHER: Partly Cloudy
LOCATION: Bedford, New York TEMPERATURE: 80°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 laborer	① Carpenters install new roofing frame; tree removal from tank area; saw cutting of concrete doorway; backfill of electric pole area (See attached for tree removal time); continued installation of roof
1 operator	
3-man carpentry	
2-man electrical crew	
EQUIPMENT: CAT 446B	
DOCUMENTATION RECEIVED:	
COMMENTS: NYSEG on site to clear brush + install brackets for transformers on new pole	

VISITORS: Vito Bilotta (2:05-3:00)

SIGNATURE: Jean Marie Jones

BILOTTA CONSTRUCTION CORP.

162 Crotona Avenue
HARRISON, NEW YORK 10528
(914) 835-3263

CUSTOMER'S ORDER NO.	PHONE	DATE
		8-06-97

NAME Bedford Farms Water District Emp. Project
ADDRESS Contract # D003485

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT	

QTY.	DESCRIPTION	PRICE	AMOUNT
	T+E for Removal of additional trees at pump house		
	1 - Laborer		7 hrs
	1 - operating eng.		7 hrs
	1 - 446 Bit		7 hrs
	1 - Chain Saw		7 hrs
		TAX	
		TOTAL	

RECEIVED BY Jean-Marie Jones (MPI)

2009

All claims and returned goods MUST be accompanied by this bill.

Thank You

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/7/17
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 80°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
3 laborers	
1 operator	① Pump house - tree removal continues; started backfilling of tanks; cleaning of prep work for miscellaneous debris at site; electric work continued - see attached for tree removal time
2-man electrical crew	
2-man plumbing crew	
2-man carpenter crew	
1-teamster	
EQUIPMENT: CAT 446 B	
Dump truck	
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS:

SIGNATURE: John Marie Jones

BILOTTA CONSTRUCTION CORP.

162 Crotona Avenue
HARRISON, NEW YORK 10528
(914) 835-3263

CUSTOMER'S ORDER NO.	PHONE	DATE
		8-07-97

NAME
ADDRESS Bedford Farms Water District Imp. project
Contract # D003484

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT	

QTY.	DESCRIPTION	PRICE	AMOUNT
	T+E. Removal of additional trees at pump house		
	1. Laborer	5 hrs.	
	1. op. Eng.	5 "	
	1. 446 bkt	5 "	
	1. chain saw	5 "	
		NC TAX	
		TOTAL	

RECEIVED BY Jean-Marie Jones (MPI)

2010

All claims and returned goods MUST be accompanied by this bill.

Thank You

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 36

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/8/97
CONTRACT Bedford Water Supply WEATHER: Cloudy
LOCATION: Bedford, New York TEMPERATURE: 84°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers	① Pumphouse
1 operator	- roofers install insulation
2-man roofers	- Commenced backfilling of tanks
1 man electrical	- repairs to tank coating (criteria) damaged by strap installation
EQUIPMENT: CAT 446B	- walled up window areas of pumphouse w/ concrete block
CAT 936	- on-site mtg w/ RA Maguire (Hahn electrical engineer) + Dennis Wilson concerning single phase & three phase power issues for pump
CAT 225	* Verbal agreement concerning technical course of action
DOCUMENTATION RECEIVED:	
#1 delivery ticket for ton of bank gravel	
COMMENTS:	

VISITORS: _____

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/11/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: ~ 88°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers (from hours of 7 pm)	(1) Continued backfilling tanks
2 operators	- rem of bank gravel
2-man electrical	- controlled select fill
2-man plumbing	(2) ECCo started painting of interior
2-man ECCo	pumphouse piping
1 teamster	(3) Plumbing was installed will be
EQUIPMENT: CAT 225	piping connections
CAT 446B	(4) Electricians continued wiring facility
CAT 936	VL inspector on site @ 10:45 am
Dump Truck	received temporary VL approval
	pending certification by Bldtion of
DOCUMENTATION RECEIVED: Delivery	3' cover over underground conduit
tickets for:	• additional grading work
(1) 5 loads rem of bank gravel	
(2) 10 loads 203.07 select granular	
fill	

COMMENTS: 11 a.m. ⇒ inquired about restoration work at 11 Locust; told by Dennis CAIAZZO that work would occur that afternoon. As of 4:15 pm when laborers + operators left site, this restoration work had yet to be completed.

⇒ AS OF RESULT OF V.L. inspection informed by Wilson Electric that planned shutdown on 8/12 will be less than originally anticipated (estimated at ½ hours)

VISITORS: _____

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 38

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/12/97
CONTRACT Bedford Water Supply WEATHER: Partly Cloudy
LOCATION: Bedford, New York TEMPERATURE: 85°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers (+2 p.m.)	① Continued backfilling tanks
1 operator (+1 just prior to noon)	② ECCI continued painting interior
2-man electrical	pump house piping
2-man ECCI	③ Thrust protection installed at
	Parks Bldg.
EQUIPMENT: CAT D3B	④ Continued electrical wiring shutdown
CAT 225	betw. 12:30 - 12:55 to facilitate
CAT 936	work on existing electrical
	⑤ Restoration at 11 Locust to
	address resident complaint regarding
DOCUMENTATION RECEIVED:	- stone removal from topsoil
Delivery tickets for:	- removal of dead tree branches
(A) 5 loads 203.07 select granular fill	⑥ Progress mtg @ trailer 10:30 a.m.
(B) 2 loads 1 1/2" of Crush gravel	

COMMENTS:

VISITORS: Vito Bilotta 1:45-2:30

SIGNATURE: Jean Marie James

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/13/97
CONTRACT Bedford Water Supply WEATHER: Cloudy / RAIN (p.m.)
LOCATION: Bedford, New York TEMPERATURE: 80°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
3 laborers	① Pump house - continued backfilling; continued painting of interior piping for ID system; continued electrical work; started filling storage tanks.
2 operators	
2-man electrical	
2-man ECCI	
1-man plumbing	
EQUIPMENT: CAT D3B	
CAT 225	
CAT 936	
DOCUMENTATION RECEIVED:	
Delivery tickets for 2 loads of 203.07 select granular fill	

COMMENTS:

VISITORS: _____

SIGNATURE: [signature]

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 40

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/14/97
CONTRACT Bedford Water Supply WEATHER: Partly Cloudy
LOCATION: Bedford, New York TEMPERATURE: 90°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
3 laborers	(1) Pump house:
2 operators	- masons began exterior brick work, built sample wall
3 - man masonry	- backfill of tanks continued
1 - man electrical	- electrical work continued
EQUIPMENT: CAT 225	
CAT 936	
CAT D3B	
DOCUMENTATION RECEIVED:	
(A) Envelope from D. Quiezzo to pass to E. Fritsch for DEC	
(B) Photos of Washington Place	

COMMENTS: Pump house inspection @ 2pm - Rep from control panel company - Ted K. from Bee & Jay arrived to trouble shoot problem
- determined that problem is voltage differential due to transformer on electric pole

VISITORS: _____

SIGNATURE: John Marie Jans

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 41

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/13/97
CONTRACT Bedford Water Supply WEATHER: Rainy (a.m.) / Sunny (p.m.)
LOCATION: Bedford, New York TEMPERATURE: 78°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
3 laborers	① Masons arrived on site at pump house but left due to weather
1 operator	
1-man electrical	
1-man plumbing	② Electrician on-site after lunch to continue w/ electrical connections
EQUIPMENT: CAT 936	③ Pressurization of hydropneumatic tank - some internal lining; finished flushing main ≈ 1:30 p.m.
	④ Miscellaneous site work
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS: Jim Schrier (DEC) ≈ 12:45 - 2:00 p.m.

SIGNATURE: Jan-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 42

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/19/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 78°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
3 laborers	① Masons continued brickwork @ pumphouse
1 operator	② General fill delivered to site, continued backfilling of tanks
3 masons	③ Electrician wiring in pumphouse continued
1 electrician	④ Water main & tank sampling for bacteriological testing.
EQUIPMENT: CAT D3B	⑤ Contractor started raising valve boxes in preparation for DOT paving (scheduled for Friday) on Rt. 22.
CAT 225	
CAT 936	
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS: Eric Fritsch (MPI) @ 2:30 pm

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 43

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/20/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
3-man masonry (8-10:30)	① Brick work at pumphouse completed
1 laborer (9:30-12:00)	② Electrician continued interior wiring
1 electrician (12 noon)	③ Plumber performed work on chlorators
1 plumbing (1 pm)	④ minimal cleanup around site, boarded windows + reinstalled pumphouse lock
(no super)	⑤ Walked site w/ C. Duwe (Hdn) to re-mark valve boxes requiring risers.
EQUIPMENT: —	
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 44

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/2/97
CONTRACT Bedford Water Supply WEATHER: Rainy
LOCATION: Bedford, New York TEMPERATURE: 70's

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
No crew or subs on site.	① No activity at site
Dennis Cavanna arrived @ 9:30	② Super sampled tanks
for inspection mtg on-site w/	(2nd trial) at 12 noon.
state returned @ 12:00 to	
sample tanks.	
EQUIPMENT:	
DOCUMENTATION RECEIVED:	

COMMENTS: On-site mtg w/: Gerard Burke (DEC)
Lenore Dunne (Hahn)
Eric Fritsch } (MPI)
Jean-Marie Jones }
Jim Hahn / Jeff Osterman (Hahn) → briefly at pump house

VISITORS: _____

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 45

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/22/97
CONTRACT Bedford Water Supply WEATHER: Cloudy
LOCATION: Bedford, New York TEMPERATURE: 67°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 Operator	① Continued backfilling tanks
1 Laborer	② Electrician continued wiring
Super (1 pm)	③ Pumphouse start-up +
1 Electrician	testing 1-3 pm
2-man plumbing (1 pm)	Jim Bradshaw (ACS/GOULD)
	on-site as manufacturer's
EQUIPMENT: CAT 225	rep for pumphouse equipment
CAT 936	① resampled water main
	at locations noted by lab
	as having biological growth
	during testing (not e-coli)
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS: Vito Bilotta 11:25-11:50

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 116

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/25/97
CONTRACT Bedford Water Supply WEATHER: Partly Cloudy
LOCATION: Bedford, New York TEMPERATURE: 75°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 laborer	@ At pumphouse - continued
1 operator → left 12:30	backfilling tanks; cleaned
Super → 11:45 - 12:30	area of debris + miscellaneous
	trash
EQUIPMENT: CAT 936	
CAT 225	
CAT D3B	
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS:

SIGNATURE: Jill Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 47

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/26/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 Laborer (1/2 day pm.)	① Saw cutting of pavement at school & Court Rd for service installation (complete @ 3:45 pm)
Super (arrives 12:50 p.m)	② Prepared Mtg @ Trailer @ 1:30 p.m.
EQUIPMENT: NA	③ TWO VOC water samples taken by MPI at pumphouse @ 4:55 p.m
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 8/27/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 laborer	① Installation of 2"Ø copper
1 operator	service @ school & Court
2-Man plumbing	Rd.
Super (sporadically throughout day)	
EQUIPMENT:	
CASE 580D Backhoe	Measurements:
	2"Ø copper service = 160'
	2"Ø curb stop = 1
DOCUMENTATION RECEIVED:	
K-crete delivery ticket	

COMMENTS:

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 49

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/8/97
CONTRACT Bedford Water Supply. WEATHER: overcast
LOCATION: Bedford, New York TEMPERATURE: 70°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 - man masonry	① Mason completed brick work
1 laborer	facade at pumphouse
	② Attempt to perform pressure
	test of main on Rt. 22
	→ NO success
EQUIPMENT:	
DOCUMENTATION RECEIVED:	
COMMENTS:	

VISITORS: _____

SIGNATURE: Jill-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/9/97
CONTRACT Bedford Water Supply. WEATHER: Overcast
LOCATION: Bedford, New York TEMPERATURE: 70°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 laborer	① continued attempts at pressure testing of main on Rt. 22
Super (arrives 11:45)	→ flushed line for 9-12
	→ 12:00 pump broke and super left site to get new one
EQUIPMENT:	→ 1-2:15 looked for valve box at Gulf station (didn't find)
	→ 3:00 pump would not hold pressure (would not pressurize at all)
DOCUMENTATION RECEIVED:	

COMMENTS: Went to gas station (Gulf) to check service line into bldg; cap had been removed and a valve installed (by owner); Larry (TOWN WATER) informed owner that water was not DOH approved & under no circumstances was the owner to turn on the water

VISITORS: Vito Bilotta (11-11:35); Eric Fritsch (10:45-11:30)

SIGNATURE: Jan Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/10/97
CONTRACT Bedford Water Supply. WEATHER: Overcast
LOCATION: Bedford, New York TEMPERATURE: 70's

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 laborer	① flushed 9" main; attempted
Super	to pressure test line
	② Project mtg @ 10:30
	③ On-site review of as-builts
	between Bee + Jay, MPI, DEC
EQUIPMENT:	— all agree looks correct
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie James

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/11/97
CONTRACT Bedford Water Supply WEATHER: RAIN
LOCATION: Bedford, New York TEMPERATURE: 70°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
NONE	
Super arrives 10:30 + informs	@ HAHN, MB + Town H_2O found +
Hahn + MPI no work today	exposed curb box at Gulf
	station on 22S
EQUIPMENT:	
DOCUMENTATION RECEIVED:	
COMMENTS: Saw extensive H_2O coming up from branch valve box on Lake Avenue → informed Dennis Caraggio	

VISITORS: _____

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/12/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 81°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 laborer Super (arrives 12:30)	① Continued attempts to pressurize 8" Ø main (no success) ② Dennis Caraggo reported verbal approval from DOH to switch over farms water line → plan to switch over so Bob + Jay arrives on-site ≈ 3:30 – Conference call w/ K. Kaysen (MPI) + Gerard Burke (DEC) → if switch over can't be complete by 6pm, wait until Monday – 3:45 p.m. → decision to wait since chlorine residual was not increasing quickly enough to meet 6p.m. deadline
EQUIPMENT:	
DOCUMENTATION RECEIVED:	
COMMENTS:	

VISITORS:

SIGNATURE: John Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/15/97
CONTRACT Bedford Water Supply. WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 70's

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2-man plumbing crew 1 laborer electrician (arrives 11 a.m) (No super)	① Laborer on-site @ 7:30 to flush lines for switch over → pump station not working why? → electric lines set up improperly; electrician arrives to deal w/ problem → Switchover of Farms from temp. water supply to well at 1:45 pm. ② Pressure test of 6" Ø line start: 9:35 a.m, 200 psi end: 11:35 a.m, 195 psi ③ ~~Excavation~~ SAWCUT of Farms Rd + 122 N where Super repeated additional leak.
EQUIPMENT:	
DOCUMENTATION RECEIVED:	
COMMENTS:	

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/10/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 80°

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
7 laborers 1 operator	① Backfill of pit for 6"Ø line which was tested yesterday ② Excavated at Farms/22N intersection → no leak found → backfilled ③ Excavation of north side of Farms Rd is continued search for leak (none found) ④ Top edge of 45,000-gal cast storage tank recoated
EQUIPMENT: CASE 580D excavator	
DOCUMENTATION RECEIVED:	
COMMENTS:	

VISITORS:

SIGNATURE: Jan Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/17/97
CONTRACT Bedford Water Supply. WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
1 laborer	① Repaired leaking valve on Lake Avenue
1 operator	② Removal of temporary water storage tanks
Super (11-12)	③ Electrician continued correcting phase problem in pump house
1 electrician	④ Bacteriological samples from 6" Ø D.I.P.
Ray + Jay (Ted @ 10:30)	# 2211 @ 1:10 pm
	# 2795 @ 1:10 p.m.
EQUIPMENT: CASE 580D excavator	
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/18/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

CONTRACTOR PERSONNEL:	ACTIVITIES PERFORMED (include quantities removed and materials used):
2 laborers	① Excavation of joint areas at
1 operator	Fans along 8" ϕ line to both
Bee + Jay (Ted)	for leaking joints
	② Eric Fritsch (MPI) + Lenore
	Dewe (Hahn) took measurements
EQUIPMENT: Case 580D excavator	for as-builts
DOCUMENTATION RECEIVED:	

COMMENTS:

VISITORS:

SIGNATURE: Jan-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/19/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(Planned)~~:	
CONTRACTOR'S PERSONNEL:	① Started overall grading of farms site; continued looking for leak in 3"ø main; backfilled the excavations * leak located at bottom elbow upward into pump house beneath slab
Labor	
1 operator	
Super @ 1pm	
Equip:	
CASE 580 D excavator	
CAT D3B dozer	② Lenore Dunne (Hdq) + Eric Fritsch (RPI) continue measurements for as-built
COMMENTS:	

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

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REPORT NO. 59

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/22/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 70's

ACTIVITIES PERFORMED (continued):	
CONTRACTOR'S PERSONNEL:	① installation of pumphouse guard rail
2 laborers	② Repaired leak in 8" Ø main
1 operator	pressure test
1-main caulking	stat 1:45 p.m., 200psi
Super (1-2:15)	2:45 pump } 1" drawdown
Plumber	3:15 pump }
	end 3:45 p.m., 198 psi
Equipment:	③ checked tank coating repair
CAT D3B dozer	— O.K.
	— subsequently backfilled
	④ Continued grading of farm side
	opened hydrant by Perennial but pressure doesn't drop — tested wrong line
COMMENTS:	

VISITORS:

SIGNATURE: John Mair Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/22/97
CONTRACT Bedford Water Supply WEATHER: Cloudy
LOCATION: Bedford, New York TEMPERATURE: 60s

ACTIVITIES PERFORMED (~~Continued~~):	
CONTRACTOR'S PERSONNEL	① Site grading
2 laborers	② Backfilled areas exposed in leak search
1 operator	③ Attempts to pressure test but line consistently loses 20 lbs over 1hr
EQUIP:	④ Bacteriological test in 6" ⌀ line #2829 11:10 a.m.
CAT D3B dozer	⑤ Installed drainage culvert - two 20-ft. sections of corrugated plastic pipe

COMMENTS:

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/24/97
CONTRACT Bedford Water Supply WEATHER: Sunny 50's
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(continued)~~:	
CONTRACTOR'S PERSONNEL	① Continued grading site, demolition of existing chain link fence, flushed lines at Crusher Lake for pressure testing:
2 laborers	
1 operator	
1 teamster (@ 3 p.m.)	
	10:04 a.m., 203 psi
EQUIP:	11:04 a.m., pumped 1" H_2O
CAT D3B dozer	12:05 a.m., 200 psi
CASE 580D excavator	② Project mtg 11 a.m.
Ingersoll-Rand Roller	③ Removal of excess soil materials from site grading

COMMENTS:

VISITORS:

SIGNATURE: John Marie Jones

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 63

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/25/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(Continued)~~:	
CONTRACTOR'S PERSONNEL:	① Excavated 22N - Forms and
2 laborers	Echo Ave. in preparation for
1 operator	K-crete ⇒ poured p.m.
1 teamster (a.m.)	- site clearing
EQUIP:	
CASE 380D excavator	
1 Dump Truck	

COMMENTS:

VISITORS:

SIGNATURE:

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 62

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/26/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(continued)~~:	
CONTRACTOR'S PERSONNEL:	① Pavement repair on
2 laborers	Lake Ave & Farms/22N
1 operator	② Exposed valve boxes on
1 teamster	court
	③ Clean-up of Town Yard.
EQUIP:	
CASE 580D excavator	
INGERSOL-RAND DD-25 Roller	

COMMENTS:

VISITORS:

SIGNATURE: Jan Marie Jones

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 64

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/29/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(continued)~~:	
CONTRACTOR'S PERSONNEL:	① Connected 6" Ø asbestos
2 laborers	pipe to new line + performed
1 operator	asbestos abatement over
1 asbestos abatement crew	② electrician continues
1 electrician	work
Super (11-12)	
EQUIP:	
CASE 580D excavator	
COMMENTS:	

VISITORS:

SIGNATURE:

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

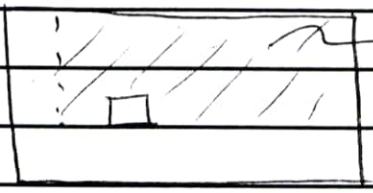
PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 9/30/97
CONTRACT Bedford Water Supply WEATHER: Sunny
LOCATION: Bedford, New York TEMPERATURE: 70's

ACTIVITIES PERFORMED ~~(continued)~~:

CONTRACTOR'S PERSONNEL:
1 operator
2 laborers

EQUIP:
Case 580D
CAT D3B

① Raked top soil on mound
② Site grading.
③ fertilized and seeded north half of site



Measurements:
Topsoil, fertilizer, seed =
143' x 103' = 14,729 ft²

COMMENTS:

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 66

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/1/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (continued):	
CONTRACTOR'S PERSONNEL:	① Grading + raking of top soil
2 laborers (+ 5 laborers after 1:30 p.m.)	② Hay placement for erosion control
1 operator	③ excavation of sidewalk area
EQUIP:	
CASE 580 D	Measurements:
CAT D3B	Topsoil, fertilize, seed = 8368.12 ft^2

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/2/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (continued):

CONTRACTOR'S PERSONNEL:

No labor on site

Super arrives 11:30 a.m.

① Bacteriological testing

(A) Hydrant on 22N between Lake & Farms Composite #472 Rt 22)

#2117 12:40 p.m.

#0862 12:40 p.m.

(B) hydrant at #5 Lake

#3015 12:47 p.m.

#1104 12:47 p.m

② Walked site w/ E. Fritsch + L. Duve to identify outstanding items for Bilotta to address — see notes for details.

COMMENTS:

VISITORS:

SIGNATURE: John Marc Jaros

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/3/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (continued):	
CONTRACTOR'S PERSONNEL:	(1) Cleared & grubbed east
3-man landscaping crew	end of site; removed tree
(8-8:45)	cluster at south base of
EQUIP:	mound
Timberjack 450C grubber	
& chipper	

COMMENTS: Superintendent arrives at 9:30 & states that landscapers may return for additional work today but this did not occur.

VISITORS:

SIGNATURE: Joan Marie Jones

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 69

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/6/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (continued):	
CONTRACTOR's PERSONNEL	① Clean up of area where
1 laborer	clearing + grubbing took place
1 operator	on Friday
1 Teamster (11:20)	
Super (10:45-10:55; 1:25-	
2:10)	
EQUIP:	
CASE 580D	
CAT D3B	
DUMP TRUCK	

COMMENTS: Told Dennis Cavagna that home at end of Valley Lodged a complaint about wash out in front of hydrant And a near injury as a result → informed D.C. that situation was to be remedied ASAP.

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 40

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 12/7/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(continued)~~:	
CONTRACTOR'S PERSONNEL	① Miscellaneous clean up work
1 laborer } a.m only	
1 operator }	② Delivered notifications for water work yes (p.m) w/ E. Fritsch; prepared punch list. (see notes for details)

COMMENTS: Water Dept on site to dig trench for phone line.

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 **DATE:** 10/8/97
CONTRACT Bedford Water Supply **WEATHER:**
LOCATION: Bedford, New York **TEMPERATURE:**

ACTIVITIES PERFORMED (continued):	
CONTRACTOR'S PERSONNEL:	① Placement of 12 pine trees (designation PS on plans); staked out all other major trees, excavated same
5-man landscaping crew	② Electrician on-site w/ Kohler rep. to test generator & bring on line → power shut down, generator kicked on within 15 seconds
1-man electrical & off-site Kohler rep. @ 12 noon	

COMMENTS: Spoke w/ D. Caiazzo about submitted & required certifications for trees → states will be faxed to E. Hitsch at MPI

VISITORS:

SIGNATURE: Jan Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/9/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(continued)~~:

PERSONNEL:

2-man plumbing crew

Started house connections
- 8 Vinton Ave
- 9 Vinton Ave.

COMMENTS:

VISITORS:

SIGNATURE: Jan Marie Jones

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 73

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/10/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(continued)~~:

PERSONNEL:

2-man plumbing crew

① Service connection
- 336 Rt. 22
- Library
- 11 Lake Ave.
- 21 Lake Ave.

COMMENTS:

VISITORS:

SIGNATURE: Julie-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

REPORT NO. 74

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/13/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(Continued)~~:

PERSONNEL:

2-man plumbing crew

① Service connections
- WARC Homes
- 12 Vinton Ave.
- 17 Lake Ave.

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie Jarvis

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/14/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(continued)~~:

PERSONNEL:

2-man plumbing crew

① Service connections
- 11 Locust Ave.
- 21 Visitor Ave.
- 31 Court Rd.
- 12 Lake Ave.

COMMENTS:

VISITORS:

SIGNATURE: Jan-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/15/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (~~Continued~~):

PERSONNEL:

3-man plumbing crew

① Service connections
- 1 Lake Ave.
- 5 Lake Ave
- 3 Locust Ave.
- 2 Vinton Ave.
- Bank of New York

COMMENTS:

VISITORS:

SIGNATURE: Jeri Marie Jones

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 77

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/16/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (~~Continued~~):

PERSONNEL:

2-man plumbing crew
2 laborers (Bilotta)

① Service connections
- 9 Lake Ave
- Jackson House
- 5 Court Rd.
- 9 Court Rd. (Antique shop)
→ set up for Empire Bldg

② Bilotta crew started working through punch list items; installation of snow fence around tree excavations

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 78

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/17/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (continued):

PERSONNEL:

1 - man plumbing crew

1) Service connections
- Perennial Gardens
- 452 Rt. 22
- 11 Court Rd

COMMENTS:

VISITORS:

SIGNATURE:

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/18/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(Continued)~~:

PERSONNEL:

2-man plumbing crew
4-man landscaping crew

① Service Connections
- 27 Court Rd
- 38 Court Rd.
- Banks Bldg.
- Arcade Bldg.

② Landscapes installed
- 5 Concolor firs (AB)
- 10 Alternate leaf dogwood (CA)
- 16 Ironwoods (CC + CO → CO replacement since CA found Hickory trees)

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/21/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (continued):

PERSONNEL:

2-man plumbing crew

① Service Connections
- 25 Lake
- Rivder Bldg
- Tomasso's → started connection but corporation not open (Called to send someone tomorrow to expose & open)
- set up @ 3 Court

COMMENTS:

VISITORS:

SIGNATURE: Jean-Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/22/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(continued)~~:

PERSONNEL:

2-man plumbing crew

1 Laborer

① Service Connections

- 17 Vinton Ave.
- 20 Vinton Ave.
- 4/16 Rt. 22 } leaks discovered in lines; repairs to be
- 4/18 Rt. 22 } made tomorrow

② Biletta Laborer exposed corporation to Tomasi's + opened same

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/23/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(continued)~~:

PERSONNEL:

2-man plumbing crew
1 operator (Joe + Jay)
1 laborer (Biletta)

① Service Connections
- Tomasso
- 3 Court Rd.
- Empire Bldg.

② Expose 2"Ø copper lines to 4116 + 418 Rt. 22; tighten leaking joints of same.

COMMENTS:

VISITORS:

SIGNATURE: [signature]

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/24/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (Continued):

PERSONNEL:

2-man plumbing crew

① Service Connections
- 30 Court Rd
- Post Office
→ Set up for play house + finishes

② Progress mtg. @ trailer 11-12 pm.

COMMENTS:

VISITORS:

SIGNATURE: Jean Marie Jones

DAILY REPORT

MALCOLM PIRNIE

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/27/97 & 10/28/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED (~~continued~~):

PERSONNEL:

2-man plumbing crew

① Service connections

- Set up at play house continued

~~xxxx

DAILY REPORT

MALCOLM PIRNIE

PAGE 1 OF 1
REPORT NO. 85

104 Corporate Park Drive
White Plains, NY 10602
(914) 694-2100

PROJECT NO.: 0266-324/(WA)D002852-16 DATE: 10/29/97
CONTRACT Bedford Water Supply WEATHER:
LOCATION: Bedford, New York TEMPERATURE:

ACTIVITIES PERFORMED ~~(Continued)~~:

PERSONNEL:

2-man plumbing
2 laborers

① Service Connections
- Fire House

② Laborers on site to address punch list items
- cover installed on electrical shroud (not approved)
- "installed" grate over sump (concreted to bricks on top of grade → *NOT ACCEPTABLE*)
- patched masonry block

COMMENTS:

VISITORS:

SIGNATURE: Jan Marie Jones

APPENDIX C

CORRECTION PERIOD/POST-CONSTRUCTION INSPECTION REPORTS

MALCOLM PIRNIE

FIELD REPORT

To: Gerard Burke, NYSDEC **Date:** April 22, 1998

Copy: Ken Kaiser, WHI

From: Jean-Marie Janos, WHI

Re: Site No. 3-60-006/009
Bedford Village Water Supply
Contract No. D003429

On Wednesday, April 22, 1998, Bilotta Construction undertook emergency repairs on the 2-inch service line to the Town of Bedford Fire Department. I arrived at the site at 8:00 a.m. Also on-site at that time were Lenore Duwe of Hahn Engineering and one laborer from Bilotta Construction. A 2-man crew from Bee & Jay Plumbing arrived approximately 9:00 a.m.

Water was observed emanating from the surface of the driveway pavement at a location approximately 40 feet from the shut-off valve. A 2' x 4' segment of pavement was cut via pneumatic jack-hammer, the shut-off valve was closed, and the underlying fill material was hand dug to expose the line. Once the line was exposed, the shut-off valve was opened to verify that the leak was located at the coupling in that area. This was confirmed, and the shut-off was closed. Bee & Jay Plumbing removed the coupling. The pipe ends and coupling were then cleaned and inspected for damage. There was no apparent damage to either. Bee & Jay then cleaned the pipe ends, applied some sealant, and reinstalled the coupling. The shut-off valve was opened to verify that the joint was no longer leaking. This was confirmed, and the excavated area was backfilled with the same material with approximately two inches of gravel at the top. I was informed by Bilotta's laborer that a two-man crew will return to the site on Thursday, April 23, to place cold-patch material for pavement repair. Repairs were completed at approximately 11:15 a.m.

jmj

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MALCOLM PIRNIE

FIELD REPORT

To: Gerard Burke, NYSDEC **Date:** May 15, 1998

Copy: Ken Kaiser, WHI

From: Jean-Marie Janos, WHI

Re: Site No. 3-60-006/009
Bedford Village Water Supply
Contract No. D003429

On Thursday, May 15, 1998, Bilotta Construction started the remaining punch list items at the site. Bilotta personnel included one foreman and two laborers. The following activities occurred:

- Topsoil was placed in the area of the pump house where there are consistent ponding problems. Bilotta personnel also raked the surrounding grassed areas on the south and east parts of the site, placed additional topsoil, and fertilized and seeded.

- The foreman walked the trench area at 12 Lake Avenue to determine which sections required additional topsoil and seeding

jmj

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MALCOLM PIRNIE

FIELD REPORT

To: Gerard Burke, NYSDEC **Date:** May 21, 1998

Copy: Ken Kaiser, WHI

From: Jean-Marie Janos, WHI

Re: Site No. 3-60-006/009
Bedford Village Water Supply
Contract No. D003429

On Wednesday, May 20, 1998, Bilotta Construction arranged for Brian Baxter of New York Leak Detection (P.O. Box 269, Jamesville, NY 13078) to visit the Bedford site. Vito Bilotta, Brian Baxter, Larry Johannes (Bedford Water Dept.), Roger Schlage (Hahn Engineering), and myself met at the pump house at 1:00 p.m. Brian Baxter showed us the equipment he would be using and explained his methodology. First, he intended to listen for leaks at the hydrants and curb boxes. This would be accomplished through his use of an audio amplifier which would allow him to identify "leak sounds". If any leaks were identified, he would then go back and try to pinpoint the leak with a more accurate sonar-like device. If the hydrant and valve survey failed to identify any leaks, he then intended to survey the main itself.

Leak detection activities commenced with the hydrant near the Presbyterian Church in Bedford Village. We then proceeded to the hydrant at the north end of Route 22, and subsequently to the three hydrants on Court Road. At Larry Johannes's request, we then proceeded to the curb boxes for the 2-inch services lines to 416 and 418 Old Post Road (house behind mall on Route 22). The more southern curb box evidenced signs of a potential leak. Brian Baxter then attempted to confirm which service line was leaking by listening at the house connection end of the line. We were able to access No. 416, and this did not appear to be the problem. We were unable to access No. 418.

It was decided that Brian would continue with the hydrant and curb box survey. He estimated that the entire site would take a couple of hours, after which he would return to No. 418 to see if someone was home and would allow him access to the basement. At the completion of the survey, Brian will contact Vito concerning the results, and Vito will then contact Malcolm Pirnie. In addition, Vito intended to contact Bee & Jay Plumbing about the potential leak in the No. 418 service line.

I left the site at 2:45 p.m.

jmj

MALCOLM PIRNIE

FIELD REPORT

To: Gerard Burke, NYSDEC **Date:** May 28, 1998

Copy: Ken Kaiser, WHI

From: Jean-Marie Janos, WHI

Re: Site No. 3-60-006/009
Bedford Village Water Supply
Contract No. D003429

On Thursday, May 28, 1998, Bee & Jay Plumbing was at the Bedford site to attend to the leak found at the service lines to 416/418 Old Post Road by New York Leak Detection on May 20. I met the plumber (1 person) at the mall on Route 22 south at 9:00 a.m. The area adjacent to the southern-most curb stop was hand dug to the 2-inch water line. It was observed that the curb stop valve appeared to be leaking on the side closest to the water main. I was advised by Bee & Jay Plumbing that, since the leak is located on the main side and not the house side, fixing it is Bilotta's responsibility. Bee & Jay Plumbing then proceeded to backfill the hole.

I left the site at 11:15 a.m.

jmj

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MALCOLM PIRNIE

FIELD REPORT

To: Gerard Burke, NYSDEC **Date:** June 1, 1998

Copy: Ken Kaiser, WHI

From: Jean-Marie Janos, WHI

Re: Site No. 3-60-006/009
Bedford Village Water Supply
Contract No. D003429

On Friday, May 29, 1998, Bilotta Construction was at the Bedford site to attend to the leak found at the service lines to 416/418 Old Post Road by New York Leak Detection on May 20. I met the one laborer at the mall on Route 22 south at 8:00 a.m. The area adjacent to the southern-most curb stop which was excavated yesterday by Bee & Jay Plumbing was re-excavated to the 2-inch water line. The laborer attempted to tighten the pipe which worsened the leak.

At approximately 10:00 a.m., Vito Bilotta (Bilotta), Ted Kugler (Bee & Jay Plumbing), and Ken Kaiser arrived on site. Shortly thereafter, personnel from the Water Department arrived. It was decided that the Water Department would close the main so that the leak could be fixed without having to excavate in Route 22 to expose the service line corporation. A second person from Bee & Jay arrived to fix the pipe. The Water Department notified residents that they would be without water for a few hours and closed the valve to the main by the gulf station on Route 22 south.

Additional excavation was performed to completely expose the area. Ted Kugler and Ken Kaiser left the site approximately 12:00 noon. Bee & Jay and Bilotta maneuvered and repositioned the pipe union, cleaned the pipe, placed sealant on the pipe threads, and tightened the joint on both sides of the service line valve. Vito Bilotta left the site at approximately 1:00 p.m..

The Water Department installed two heavy-duty valve boxes, and the excavation was backfilled.

I left the site at 2:15 p.m.

jmj

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MALCOLM PIRNIE

FIELD REPORT

To: Gerard Burke, NYSDEC **Date:** July 2, 1998

Copy: Ken Kaiser, WHI

From: Jean-Marie Janos, WHI

Re: Site No. 3-60-006/009
Bedford Village Water Supply
Contract No. D003429

On Thursday, July 2, 1998, Phoenix Signal and Electric Corp. was at the Bedford site to install the fan, louvers, damper, and appurtenances at the pump house. I arrived at the site at 7:30 a.m. and the 2-man crew were already setting up. Since the fan and damper are substitute items which are dimensionally larger than those specified, the installation of the items required extensions and retrofitting.

In addition to observing these activities, I checked the status of the outstanding punch list items.

- The fire hydrant in front of the Huntington Ridge Mall has not yet been repaired.
- There were screens installed on each of the storage tank riser vents.
- The reseeding of the pump house grounds appears to be adequate. I also looked at the area that was prone to ponding. The additional top soil that Bilotta had placed about a month ago and the grass cover in the area are intact, and I did not observe any evidence that there had recently been a significant amount of standing water present. I also asked Larry Johannes if he had observed any ponding during rain events and he said he has not noticed anything unusual. Consequently, it appears that this problem has been satisfactorily addressed.

While at the site, I also noticed that one of the Northern Red Oak trees (southeastern most planting) appears to be dead or something close to it, and should be replaced.

I left the site at approximately 9:15 a.m.

jmj

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MALCOLM PIRNIE

FIELD REPORT

To: Gerard Burke, NYSDEC **Date:** August 25, 1998

Copy: Ken Kaiser, WHI

From: Jean-Marie Janos, WHI

Re: Site No. 3-60-006/009
Bedford Village Water Supply
Contract No. D003429

On Tuesday, August 25, 1998, Bilotta Construction was to repair a leak which was reported to Hahn Engineering by the Town of Bedford Water Department on Monday, August 24, 1998. I arrived at the site at 9:00 a.m. Bilotta's 2-man crew did not arrive until 10:00. The leak was readily observable along the west edge of the driveway at 12 Lake Street. Ted Kugler of Bee & Jay Plumbing arrived at the site approximately 10:30 a.m.

The laborers hand excavated to a depth of approximately 2 feet at the point where the leak surfaced along the ground. At that depth, it became apparent that the source of the leak was upstream of that point, and it was decided that the most likely source was at the valve for the curb box. Personnel from the Town of Bedford Water Department arrived approximately 11:15 a.m. and provided a submersible pump to assist with the excavation. Excavation was continued around the area of the curb box until the valve and line were exposed.

The leak was located on the upstream side of the valve at the joint between the valve and the coupling. The Town of Bedford Water Department provided a crimping tool, and the 3/4-inch line was crimped approximately 1.5 feet upstream of the valve in order to stop the flow while repairs were undertaken. Both the valve and the coupling were replaced with new fixtures. The crimped area was then de-crimped and the entire assembly was observed for a few minutes to verify that it was no longer leaking.

There were no large stones or other objects observed in the excavated material as it was removed. The curb box was located in the driveway, along the curved portion of the west side. The Town of Bedford Water Department reported that the curb box had been buried under a 1/2 inch of gravel, and Ted Kugler postulated that the cause of the leak was the result of a vehicle being driven over the curb box, thereby causing the coupling to disconnect from the valve.

Ted Kugler and the Town of Bedford Water Department personnel left the site at approximately 12:00 p.m. and 12:30 p.m., respectively. The laborers placed a large stone underneath the valve assembly for support (this had been removed from the same location when the valve was exposed).

The laborers went to get lunch at 1:00, and I remained with the open excavation until they returned. After lunch, the laborers intended to backfill the excavation with the same material that was removed from it.

I left the site at approximately 1:15 p.m.

jmj

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MALCOLM PIRNIE

FIELD REPORT

To: Gerard Burke, NYSDEC **Date:** November 9, 1998

Copy: Warren Riznychok, WHI

From: Jean-Marie Janos, WHI

Re: Site No. 3-60-006/009
Bedford Village Water Supply
Contract No. D003429

On Monday, November 9, 1998, I received a call from Bilotta Construction informing me that the dead trees at the pump house site were going to be replaced by Bilotta's landscaper later that morning. I arrived at the site at 10:00 a.m. A 2-man landscaping crew was at the site and was in the process of replacing the three dead trees which Bilotta had been advised about via letter dated August 28, 1998.

The landscapers removed the dead trees and replaced them with new plants in accordance with the landscaping specification. Replaced trees were as follows:

- One sugar maple (Acer Saccharum) located on the west side of the site, just inside the fence line.
- One white pine (Pinus strobus) located in the northwest corner on the site.
- One white pine (Pinus strobus) located just south of the southeast corner of the fence closest to the Farms Road.

The landscapers watered the new plantings and cleared away the dead foliage prior to leaving the site.

I left the site at approximately 11:15 a.m.

jmj

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MALCOLM PIRNIE

FIELD REPORT

To: Gerard Burke, NYSDEC **Date:** December 22, 1998

Copy: Warren Riznychok, WHI

From: Jean-Marie Janos, WHI

Re: Site No. 3-60-006/009
Bedford Village Water Supply
Contract No. D003429

On Thursday, December 17, 1998, I received a fax from Bilotta Construction informing me that Bilotta's electrical subcontractor would be at the pump house the following day to perform any electrical work necessary to obtain a final electrical certification from NYSEG.

On Friday, December 18, 1998, I arrived at the site at 10:15 a.m.. A two-man electrical crew from Phoenix Signal and Electric Corp. was at the site. In addition, George Pommer and Jim Hahn from Hahn Engineering and four individuals from the Town of Bedford Water Department were in attendance. Work ensued relating to electrical connections at the pump house control box. The grounding wire for the generator was also checked and reported to be the appropriate size. The electrical foreman reported that he had been informed of all the issues that had been itemized in the November 11 and November 24 correspondence from Hahn Engineering, and that he would be addressing all those items listed throughout the course of the day. It was agreed that he would prepare a letter for Bilotta to submit to Malcolm Pirnie, which would detail all the electrical work performed. Malcolm Pirnie will then forward this correspondence to Hahn Engineering.

I left the site at 12:00 p.m.

jmj

G:\0266324\LETTERS\FIELD9.WPD

Bilotta Construction Corp.

ASPHALT PAVING & UTILITY CONTRACTOR
162 CROTONA AVENUE HARRISON, NEW YORK 10528
(914) 835-3263 FAX (914) 835-1021

November 13, 1998

Via Fax: 914-694-9286
Original to follow via 1st Class Mail

Malcolm Pirnie, Inc.
Attn: Ms. Jean-Marie Janos, Project Engineer
104 Corporate Park Drive - Box 751
White Plains NY 10602

Re: PROJECT: NYSDEC CONTRACT D003429
BEDFORD VILLAGE WATER IMPROVEMENTS

Dear Ms. Janos:

I have contacted New York Leak Detection to locate the two leaks in question and they state that the leaks are too minimal to warrant repair. Attached please find their report stating same. Please review their report since we concur with NYLD that no repairs are necessary.

Should you have any questions, please contact us accordingly.

Very truly yours,

Bilotta Construction Corp.

Vito Bilotta

Vito Bilotta

VB:pjc

cc: Mr. Gerard Burke-NYSDEC/with enclosure Fax: 518-457-7743

NYLD
NEW YORK LEAK DETECTION
PHONE 315-469-4601 • FAX:315-469-2868 P.O. BOX 269 JAMESVILLE, NY13078

Customer Daily Log

Date 11/11/98

File Number CDL00025

Weather Conditions

Follow up for Bilota Const. letter of 9/18/98

Description of Activities

Per your request, the description of the valve leaks on the recently installed 6000' 8" ductile iron main, do not amount to more than 2 gallons per day of lost water. This is at the extreme end of our technology to detect leaks and was only confirmed by the visable water on the valve box.

Please note that 2 gallons a day is well below the contract minimum of "ten gallons per inch of diameter, per twenty four hours, per mile of pipeline" (Please refer to page DIP-14)

Please call with any questions, or if we can be of any help.

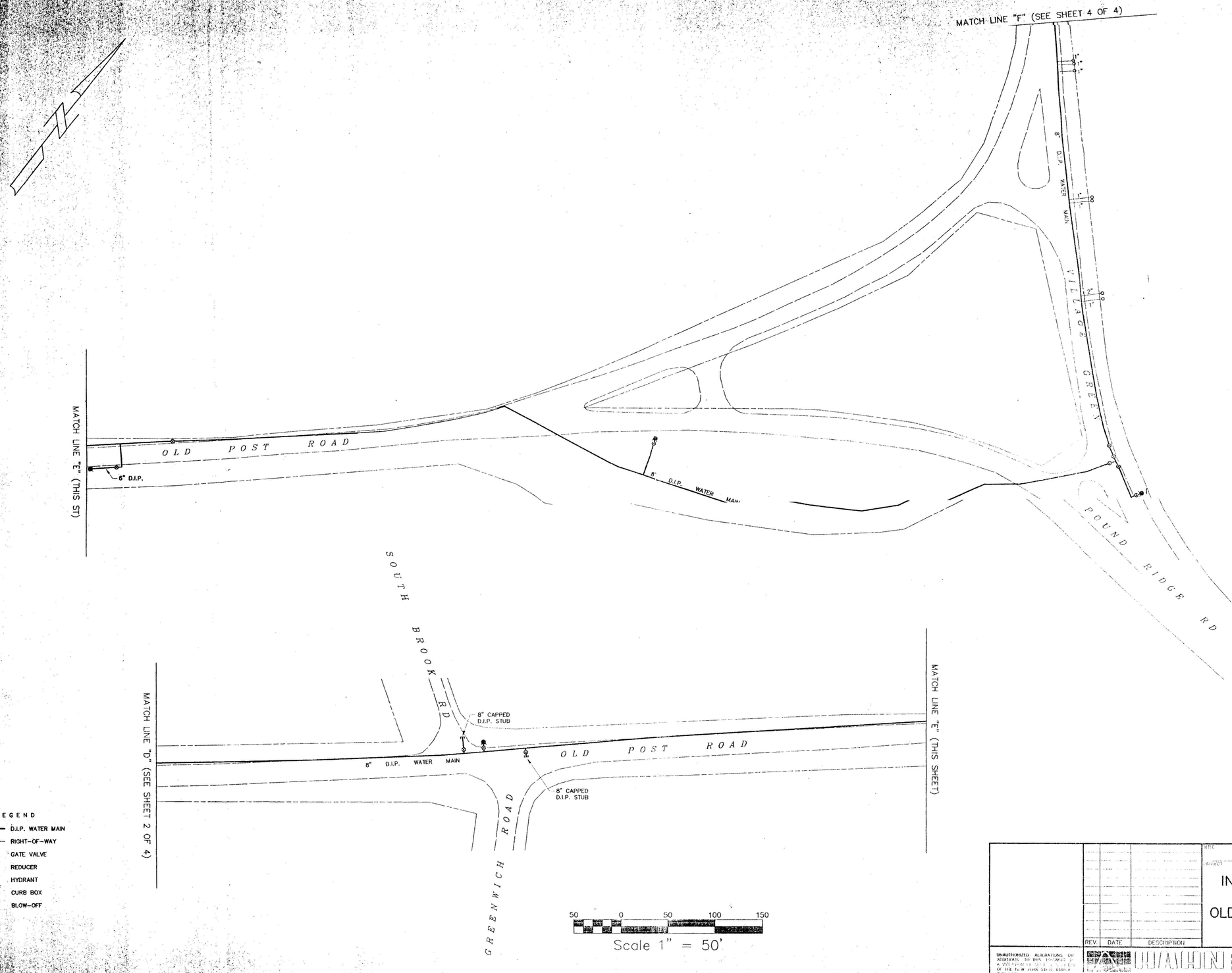
Sincerely

Michael R. Goodfellow Pres.

Signature Michael R. Goodfellow

APPENDIX D

AS-BUILT RECORD DRAWINGS



RECORD DRAWING

INSTALLATION OF WATER MAIN FOR THE PROPOSED OLD POST ROAD WATER DISTRICT

TOWN OF BEDFORD, WESTCHESTER COUNTY, NY

REV.	DATE	DESCRIPTION

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING OR A SIGNATURE AND SEAL OF THE ENGINEER SHOWN HEREON

Millbrooke Office Centre
Route 22 & Milltown Road
Brewster, New York 10509

SCALE 1" = 20'

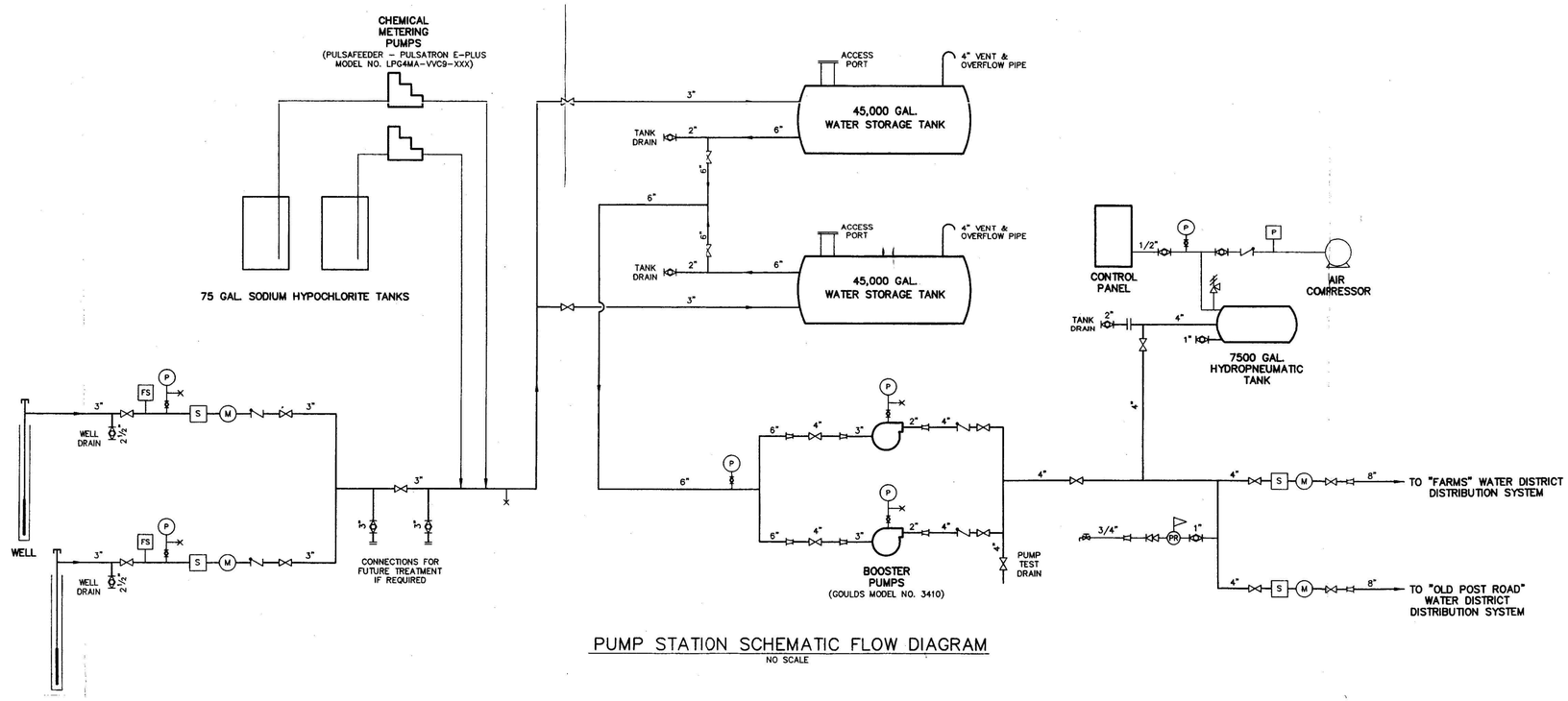
DRAWING NO

DATE 10/1/97

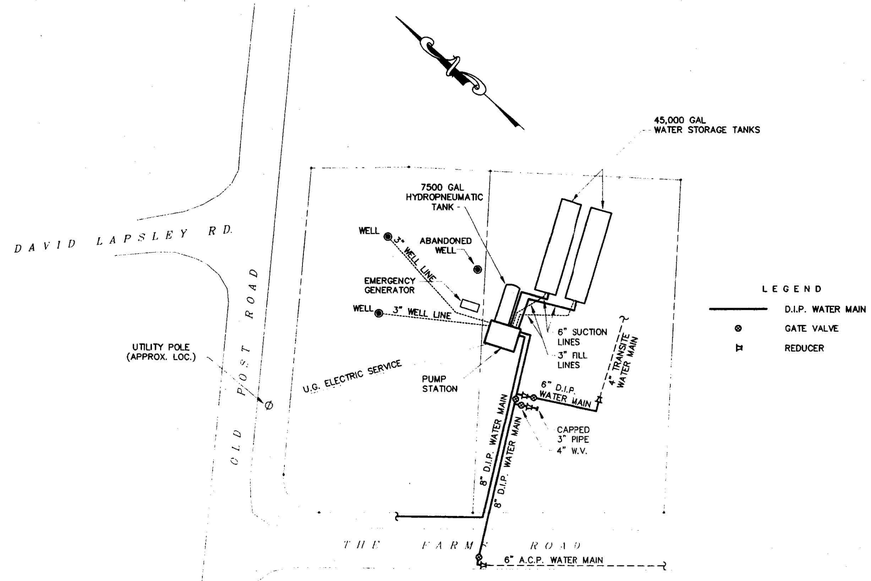
SHEET

LEGEND

- PROCESS LINE
- (P) PRESSURE GAUGE
- FS FLOW SWITCH
- (M) FLOW METER
- CHECK VALVE
- BALL VALVE
- GATE VALVE
- REDUCER
- SMOOTH-NOSE SAMPLING TAP
- BLIND FLANGE
- R.P.Z. BACKFLOW PREVENTER
- HOSE BIBB
- P PRESSURE SWITCH
- (PR) PRESSURE REDUCING VALVE
- AIR RELEASE VALVE
- S STRAINER



PUMP STATION SCHEMATIC FLOW DIAGRAM
NO SCALE



SITE PLAN

40 0 40 80 120
Scale 1" = 40'

REV.	DATE	DESCRIPTION

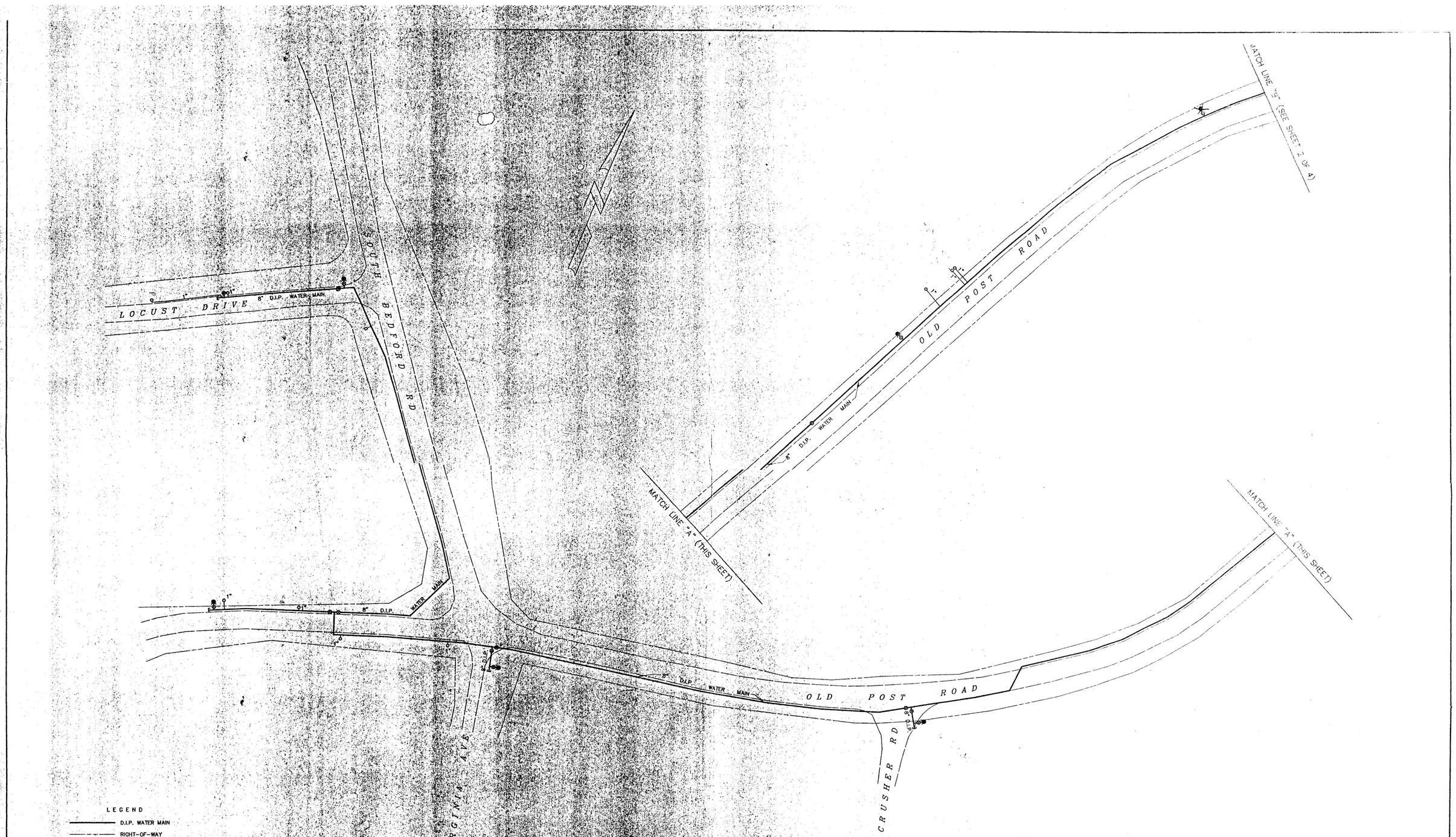
TITLE: SITE PLAN & SCHEMATIC FLOW DIAGRAM

PROJECT:
RECORD DRAWING FOR "THE FARMS" PUMP STATION
TOWN OF BEDFORD, WESTCHESTER COUNTY, NEW YORK

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW

HAHN ENGINEERING
Millbrooke Office Centre
Route 22 & Milltown Road
Brewster, New York 10509
Tel: 914-279-2220

SCALE: AS SHOWN
DRAWING NO.:
DATE: 9/25/97
SHEET NO.: 1 of 2



RECORD DRAWING

INSTALLATION OF WATER MAIN FOR THE PROPOSED OLD POST ROAD WATER DISTRICT

TOWN OF BEDFORD, WESTCHESTER COUNTY, ...

REV.	DATE	DESCRIPTION

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW

DRAMIN ENGINEERING
Millbrooke Office Centre
Route 22 & Milltown Road
Brewster, New York 10509
Tel: 914-279-2220

SCALE: 1" = 20'

DATE: 10/1/97

MATCH LINE "B" (SEE SHEET 1 OF 4)

OLD POST ROAD

DAVID LAPSLEY RD

HOMESTEAD LA

JEFFERSON LA

THE FARMS RD

8" D.I.P. WATER MAIN

8" CAPPED D.I.P. STUB

"THE FARMS" PUMP STATION

VINTON AVE

LAKE AVE

D.I.P. WATER MAIN

3/4"

MATCH LINE "C" (THIS SHEET)

WASHINGTON AVE

LEGEND

- D.I.P. WATER MAIN
- RIGHT-OF-WAY
- GATE VALVE
- REDUCER
- HYDRANT
- CURB BOX
- BLOW-OFF

50 0 50 100 150

Scale 1" = 50'

REV.	DATE	DESCRIPTION

TITLE: RECORD DRAWING

PROJECT:

INSTALLATION OF WATER MAIN FOR THE PROPOSED OLD POST ROAD WATER DISTRICT

TOWN OF BEDFORD, WESTCHESTER COUNTY, NY

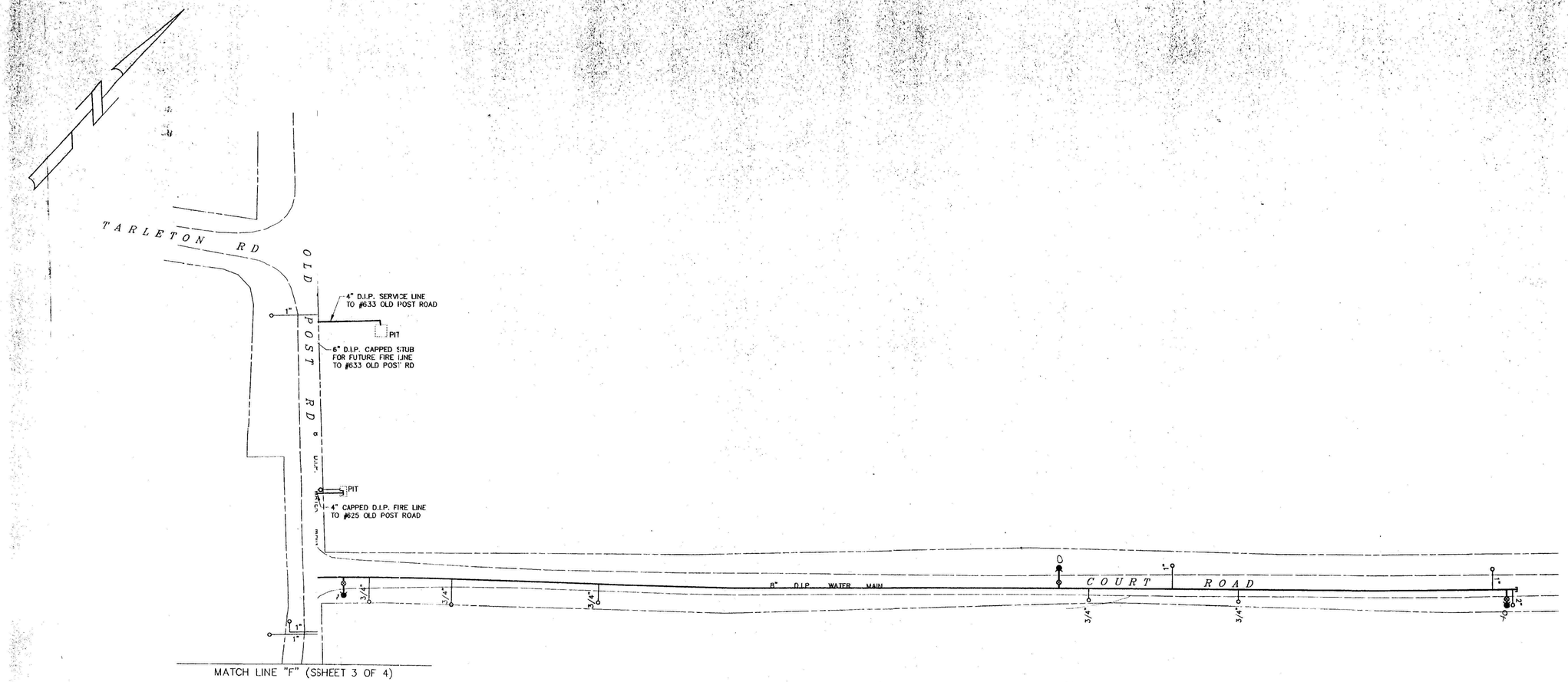
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW

HAHN ENGINEERING
Millbrooke Office Centre
Route 22 & Milltown Road
Brewster, New York 10509
Tel: 914-279-2220

SCALE: 1" = 20'

DRAWING NO.

DATE: 10/1/97



50 0 50 100 150

Scale 1" = 50'

LEGEND

- D.I.P. WATER MAIN
- RIGHT-OF-WAY
- GATE VALVE
- REDUCER
- HYDRANT
- CURB BOX
- BLOW-OFF

RECORD DRAWING

INSTALLATION OF WATER MAIN FOR THE PROPOSED OLD POST ROAD WATER DISTRICT

TOWN OF BEDFORD, WESTCHESTER COUNTY, NY

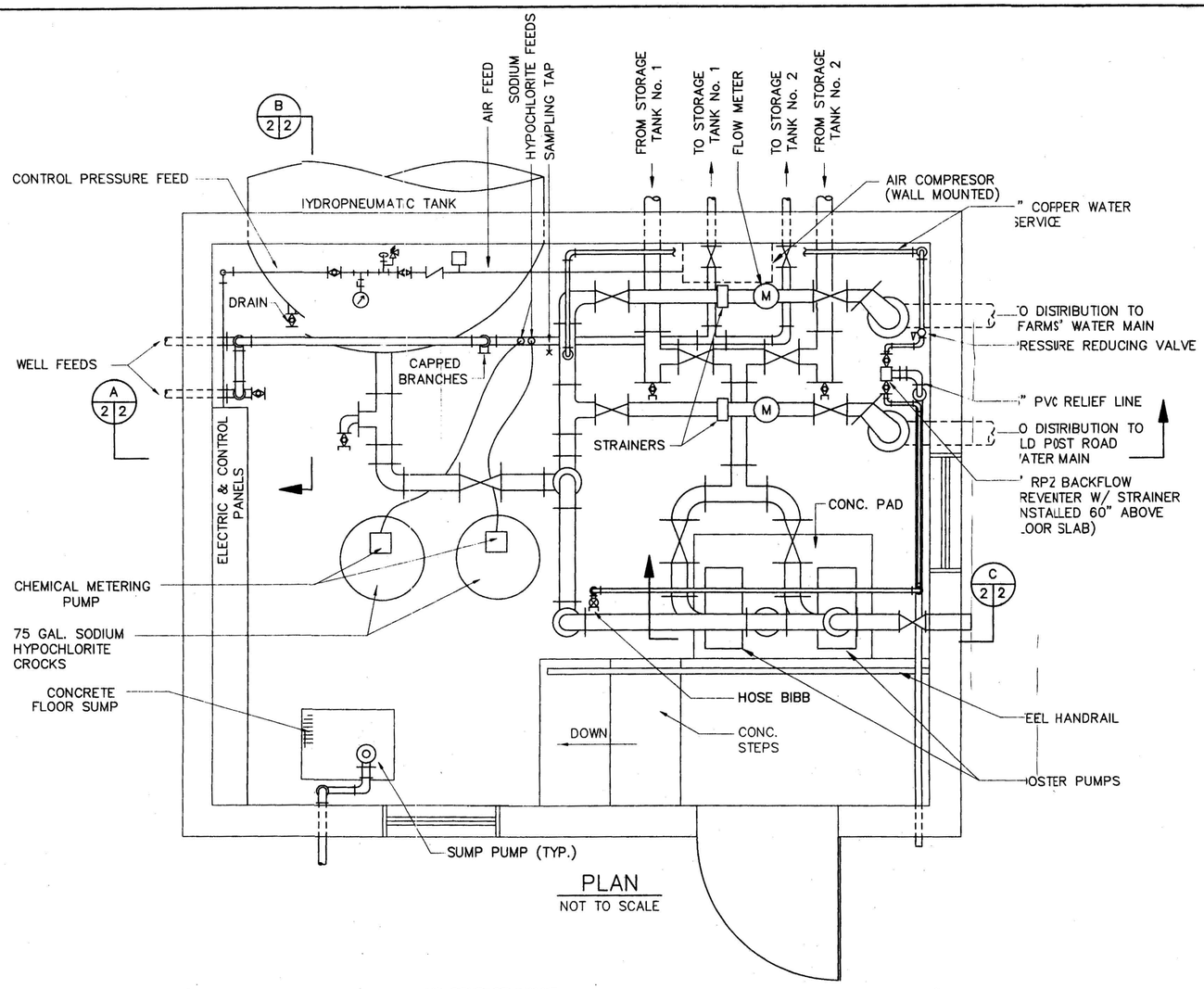
REV. | DATE | DESCRIPTION

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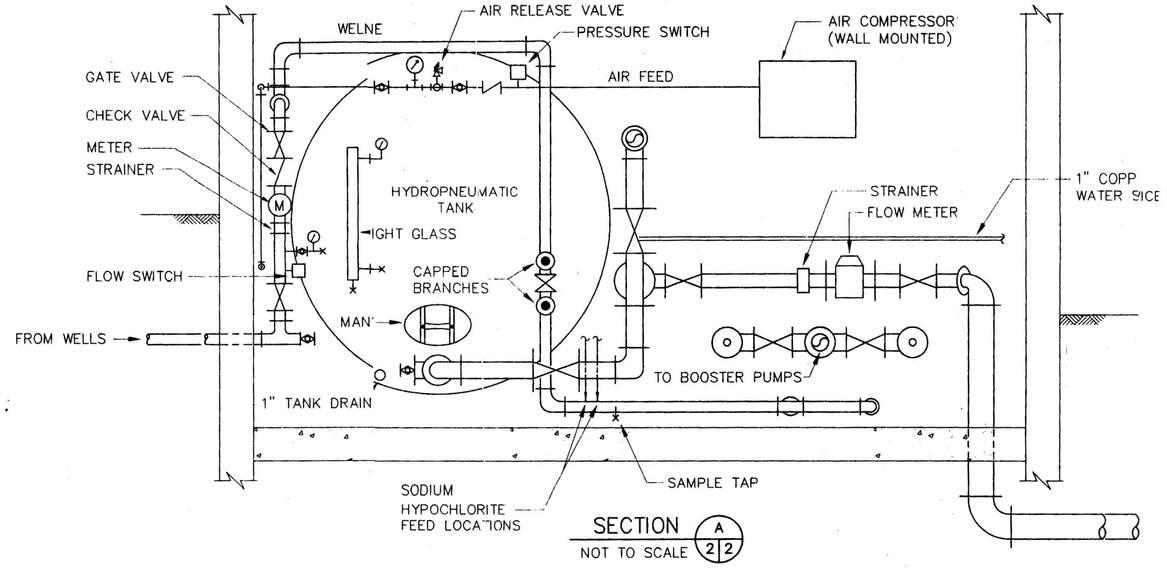
HAIN ENGINEERING
Millbrooke Office Centre
Route 22 & Milltown Road
Brewster, New York 10509
Tel: 914-279-2220

SCALE: 1" = 20' | DATE: 10/1/97

DRAWING NO. | SHEET NO.

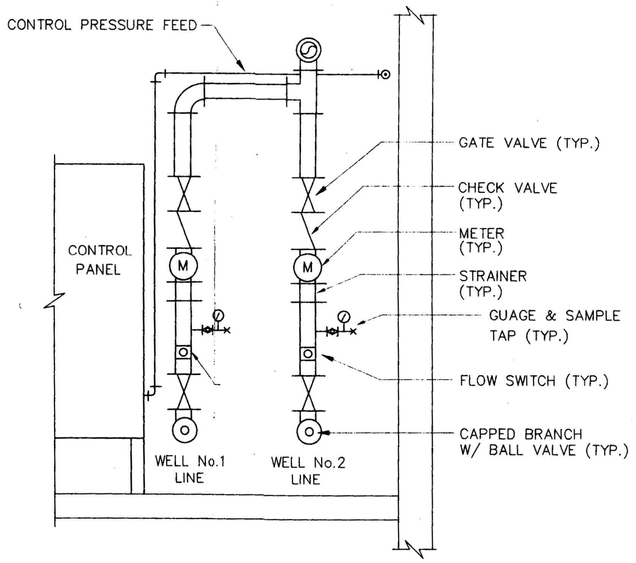


PLAN
NOT TO SCALE

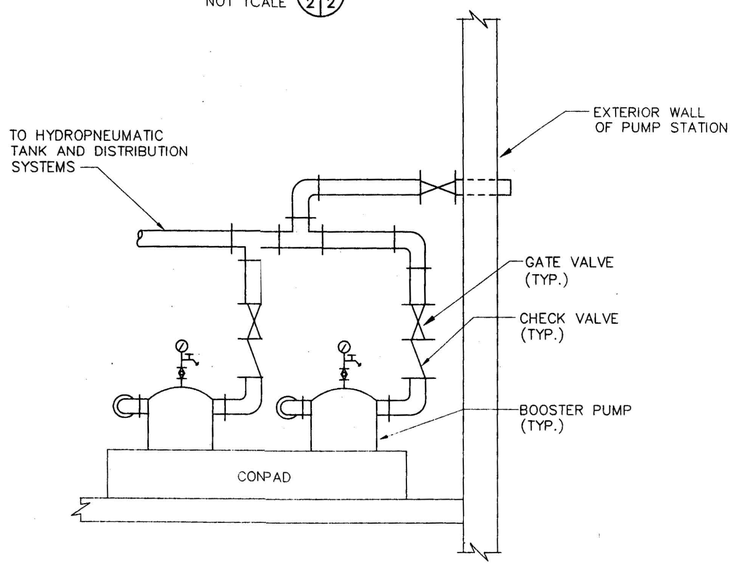


SECTION A 2|2
NOT TO SCALE

NOTE:
REFER TO SCHEMATIC FLOW DIAGRAM (SHEET 1 OF 2) FOR PIPE SIZES.



SECTN B 2|2
NOT TCALE



SECTN C 2|2
NOT TO \LE

NOTE:
SECTION VIEW ONLY SHOWS BOOSTER PUMPS AND PIPING DIRECTLY ABOVE.

TITLE: PUMP STATION INTERIOR

PROJECT:

RECORD DRAWING FOR "THE FARMS" PUMP STATION

THE FARMS ROAD
TOWN OF BEDFORD, WESTCHESTER COUNTY, NEW YORK

REV. DATE DESCRIPTION

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW

JAHN ENGINEERING
Millbrooke Office Centre
Route 22 & Milltown Road
Brewster, New York 10509
Tel: 914-279-2220

SCALE: NO SCALE
DATE: 9/25/97
DRAWING NO.
SHEET NO.: 2 OF 2