Section VII – Property's Environmental History
Previous Environmental Investigation Summary

A summary of the historical data concerning the former dry cleaners operation in the "West Shops" located at the intersection of Eggert Road and Colvin Boulevard, a.k.a. Colvin-Eggert Plaza, is provided below. Additional historical investigations have been performed at the site to evaluate a former gas station facility located to the south of the former dry cleaners. Relevant portions of the documents and data generated as a result of these investigations are also provided herein. A site location map and a site plan are provided in **Appendix A**, attached.

April 1998-Phase I Environmental Site Assessment completed by Sear-Brown Group

- Identified the dry cleaning operations that had been in operation for approximately 10 years as an environmental concern. Although there was no physical evidence of any spilling, soil sampling was recommended to determine if there was any impact as a result of the dry cleaner operations.
- The April 1998 Sear-Brown Phase I ESA also references a June 1992 Phase II Investigation performed by Day Engineering, P.C. in the vicinity of the former gas station on the property (ceased operations in 1988). The 1992 Phase II Investigation report concludes that all USTs in the vicinity of the former gas station operation were removed by the end of 1988 and that the gasoline-type contamination found in one of the wells installed was attributable to an off-site source, Spill No. 8907656 at a Kwik Fill Gas Station located across Eggert Road. The only spill file associated with the former Colvin-Eggert Plaza gas station (Spill No.9112834) was due to a fuel oil release and was closed in 1996. Sear-Brown performed a Phase II ESA, consisting of a one-day geoprobe drilling program (February 25, 1998), during which they installed five soil borings around the former gas station to supplement test pits and three wells installed by Day Engineering. Sear-Brown concluded that petroleum impacts they found were adjacent to Eggert Road, implying that it was the result of an off-site source.

June 1998-Phase II Environmental Investigation completed by Sear-Brown Group

- The investigation was conducted to investigate the soil and groundwater in the vicinity of the Dry Cleaner operations in the West Shops.
- Two small diameter soil borings were completed (i.e., B-1 and B-2) using geoprobe equipment to approximately 14 feet below ground surface (bgs). B-1 was completed west of the dry cleaners facility and B-2 was completed north of the dry cleaners facility (in the presumed hydraulically downgradient location based on site topography).
- Elevated photoionization detector (PID) headspace readings were obtained from soil samples collected from boring B-2 from approximately seven to ten feet bgs.
- Temporary monitoring wells were installed in B-1 and B-2 for collection of a groundwater sample from each location. The samples were sent to a laboratory for volatile halocarbon analysis via United States Environmental Protection Agency (USEPA) Method 8010. The groundwater sample from B-2 returned a result of 22.7 ug/l of tetrachloroethene (PCE) exceeding the standard of 5 ug/l included in the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 "*Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*".
- The recommendations of the report included additional subsurface investigation to define the source, and the horizontal and vertical extent of the impacts in the vicinity of the dry cleaners operation.

- Data from this investigation are included as **Appendix B**.

September 1998-Limited Subsurface Investigation completed by Barron & Associates, P.C.

- The investigation was conducted to confirm the impacts identified in the Sear-Brown Group Phase II investigation.
- A 2-inch inside diameter (ID) groundwater monitoring well (i.e., B/OW-2) was installed to a depth of 15 feet bgs immediately adjacent to soil boring/temporary monitoring well B-2 previously installed by Sear-Brown Group. Soil screening results using a PID returned a sustained reading of 3.5 parts per million (ppm) from the 4 to 6 feet interval only.
- Groundwater samples were collected from B/OW-2 and another previously installed monitoring well (i.e., OW-VAC) located behind the "Southeast Shops" and sent for laboratory analysis of Target Volatile Organic constituents via USEPA Method 8260A.
- PCE was detected at a concentration of 3 ug/l and 2 ug/l in monitoring wells B/OW-2 and OW-VAC respectively. Acetone was detected at a concentration of 270 ug/l in monitoring well B/OW-2. This was attributed to the manufacturing process of the sampling bailer.
- ***The report concluded that, since the levels of PCE detected in groundwater were below the NYSDEC TOGS 1.1.1 standard of 5 ug/l, there was no groundwater environmental concern on-site.*** No soil samples were submitted for laboratory analysis as part of this investigation.
- Data from this investigation is included as **Appendix C**.
- Based on this report, Benchmark proceeded with its purchase of the property.

June 2004-Phase II Investigation completed by Stantec Consulting Group

- The investigation was conducted to determine if any groundwater impacts had migrated north of the former dry cleaners onto the northern portion of the property which was being considered for subdivision and sale to another entity. The investigation was performed at the request of the potential purchaser of the northern parcel.
- Four soil borings (i.e., B1 through B4) were installed north of the proposed subdivision line in locations presumed to be downgradient of the former dry cleaner. Groundwater samples only were collected from the four borings. The boring locations are shown on a figure in **Appendix A**.
- Groundwater collected from boring locations B-1 and B-2 indicated concentrations of chlorinated solvents above NYSDEC TOGS 1.1.1 standards while concentrations of chlorinated solvents in groundwater from Borings B-3 and B-4 were not detected.
- Results of this investigation are included in the results of the Clayton Group Services Inc. investigation summarized below since a copy of the Stantec Consulting Group's *Additional Phase II Investigation* is not currently available.

November 2004-Limited Phase II Subsurface Investigation completed by Clayton Group Services, Inc.

- The investigation was conducted to further delineate chlorinated solvent impacts to groundwater on-site as well as determine a source location of the impacts.
- The report states that the dry cleaners have ceased operations from the storefront in the West Shops and resumed operations from a storefront in the "East Shops".

- Nine soil borings (i.e., SB-1 through SB-9) were installed in a topographically downgradient location of the previously identified groundwater impacts to depths ranging from 11 to 14 feet bgs. It is presumed these locations are also hydraulically downgradient. All of the wells were small diameter wells installed using geoprobe technology.
- Two of the soil borings (i.e., SB-3 and SB-4) were installed inside the former dry cleaners storefront in the vicinity of the former dry cleaning machine.
- Soil samples were collected from all nine soil boring locations and sent for laboratory analysis of volatile organic compounds (VOCs) via USEPA Method 8260B.
- Seven temporary groundwater monitoring wells (i.e., TW-1 through TW-7) were installed in soil boring locations SB-1, SB-3 through SB-6, SB-8 and SB-9 respectively. The location of the borings and wells are shown on a figure in **Appendix A.** No well was installed in soil boring locations SB-2 and SB-7. Groundwater samples were collected from TW-1, TW-3, TW-4, TW-5, and TW-6 on the same day of installation and sent for laboratory analysis of VOCs via USEPA Method 8260B. TW-2 and TW-7 did not produce enough water to permit sampling. The temporary wells were removed after sampling was concluded.
- Soil analytical results indicated soil containing PCE at levels above NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 *"Determination of Soil Cleanup Objectives and Cleanup Levels"* guidance values was present under the former dry cleaner building (i.e., SB-3 and SB-4). PCE was detected below TAGM 4046 guidance values in soil borings SB-5 through SB-9. PCE was not detected in soil borings SB-1 and SB-2.
- Groundwater analytical indicated PCE impacted groundwater above NYSDEC TOGS 1.1.1 standards was present under the building and migrating onto the northern portion of the property. PCE was detected at a level of 4.3 mg/l, or 4,300 ug/l, in TW-3, below the building footprint.
- Results of the above mentioned *Additional Phase II Investigation* completed by Stantec Consulting Group as well as the results of this investigation are included in **Appendix D.**

December 2006-Chlorinated Solvent Contaminated Soil Excavation Oversight Activities completed by Clayton Group Services, Inc.

- During 2004, Clayton performed a grid sampling of 12 soil borings using geoprobe sampling techniques. The borings were in the vicinity of previous borings SB-3 and SB-4 inside the building of the former dry cleaners. Based on the results of the grid soil sampling, Clayton group recommended an excavation in an area approximately 20 to 25 feet (east to west) by 15 to 20 feet (north to south) by 6 to 8 feet deep, with an estimated weight of 150 to 200 tons. Ultimately, an excavation with the dimensions of 80 feet wide (east to west) by 45 feet long (north to south) by 4 to 8 feet deep was produced.
- Approximately 1,130 tons of soil was excavated and disposed of off-site.
- Confirmatory endpoint sampling returned results below NYSDEC TAGM 4046 guidance values.
- Results of the excavation are included in **Appendix E.**

Generalized Site Geology/Hydrogeology

0-0.5 fbgs	Asphalt surface
0.5-2.0	Fill Material (Gray, Moist, Fine to Coarse Sand with some Gravel and Slag (B-2)
2.0-7.5 +	Red-Brown, Dry to Moist, Dense, Silty Clay
7.5-16+	Tan-Brown, Moist to Wet, Loose, Silty Fine Sand

Water Table at approximately 10 feet below grade August 1998 and September 2004. Example boring logs are included in **Appendix F**.

Appendix A

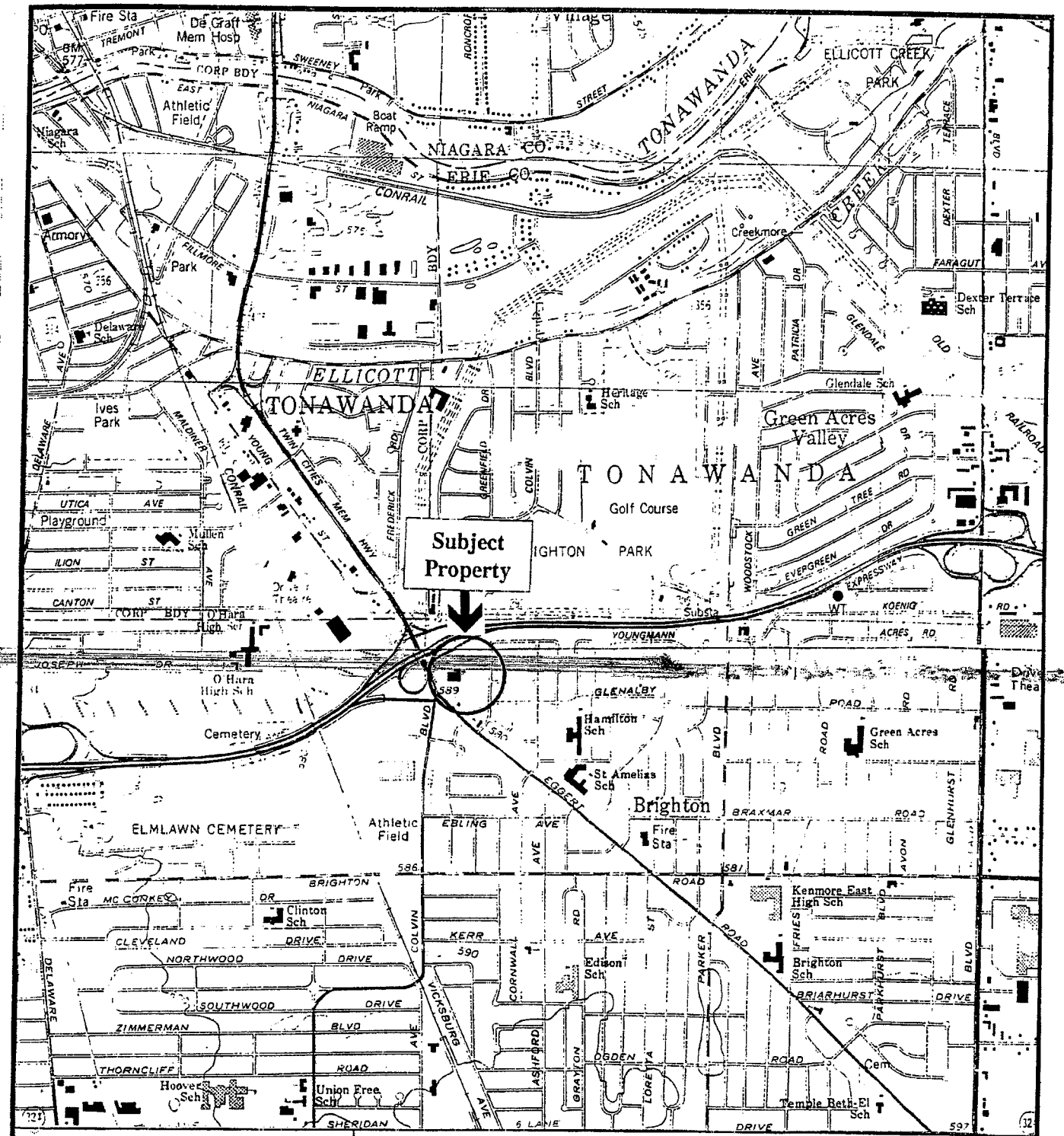

Figure 1
Colvin-Eggert Plaza

Colvin Boulevard and Eggert Road
Town of Tonawanda, Erie County, NY

Site Location Map

Scale: 1 in = 2,000 ft.
Source: USGS Topographic Map, Buffalo Northeast and Tonawanda East Quadrangles

THE
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(716) 475-1440

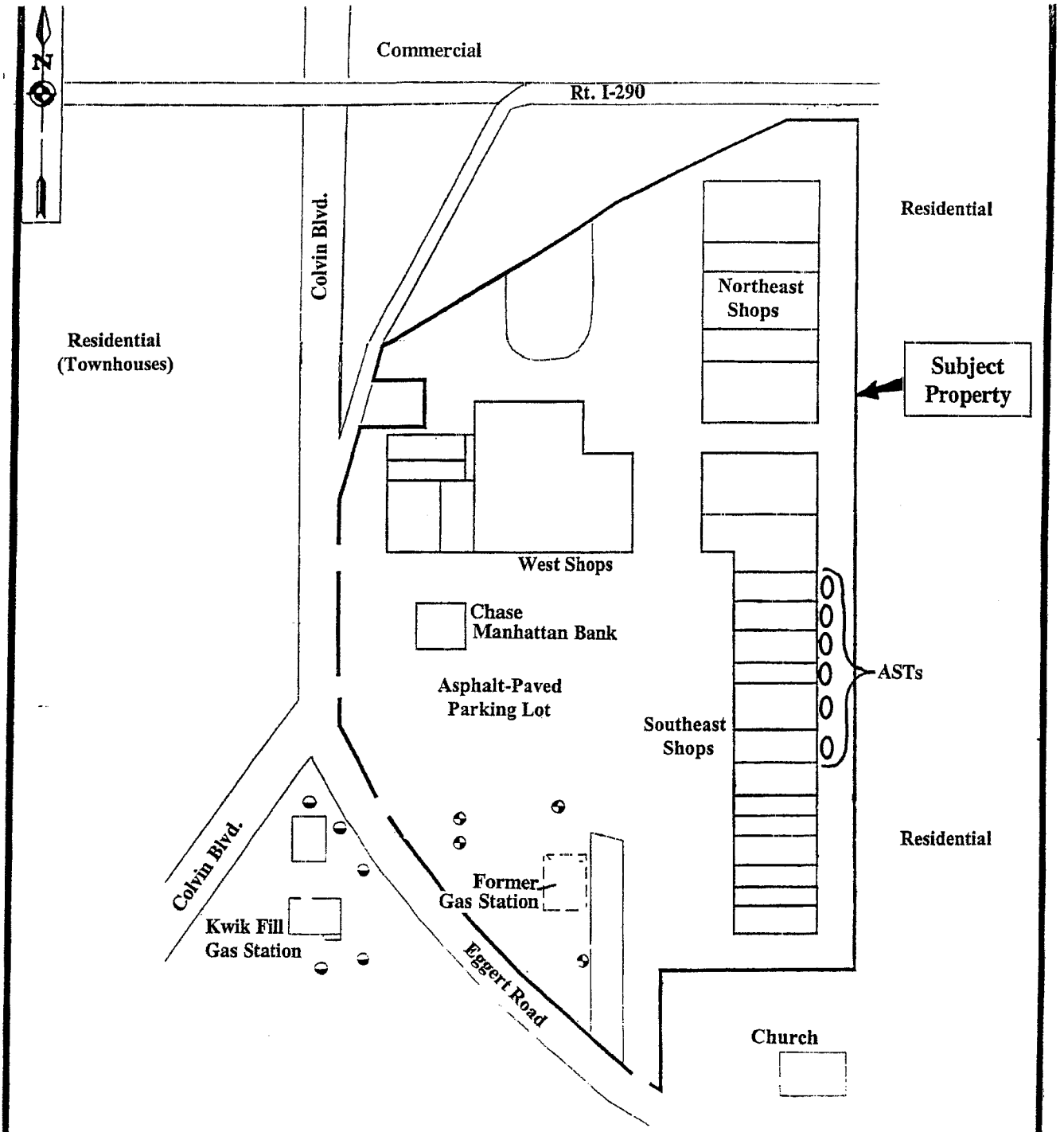

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Figure 2
Colvin-Eggert Plaza

Colvin Boulevard and Eggert Road
Town of Tonawanda, Erie County, NY

Site Plan

Source: 1995 PSI Phase I Environmental Site Assessment

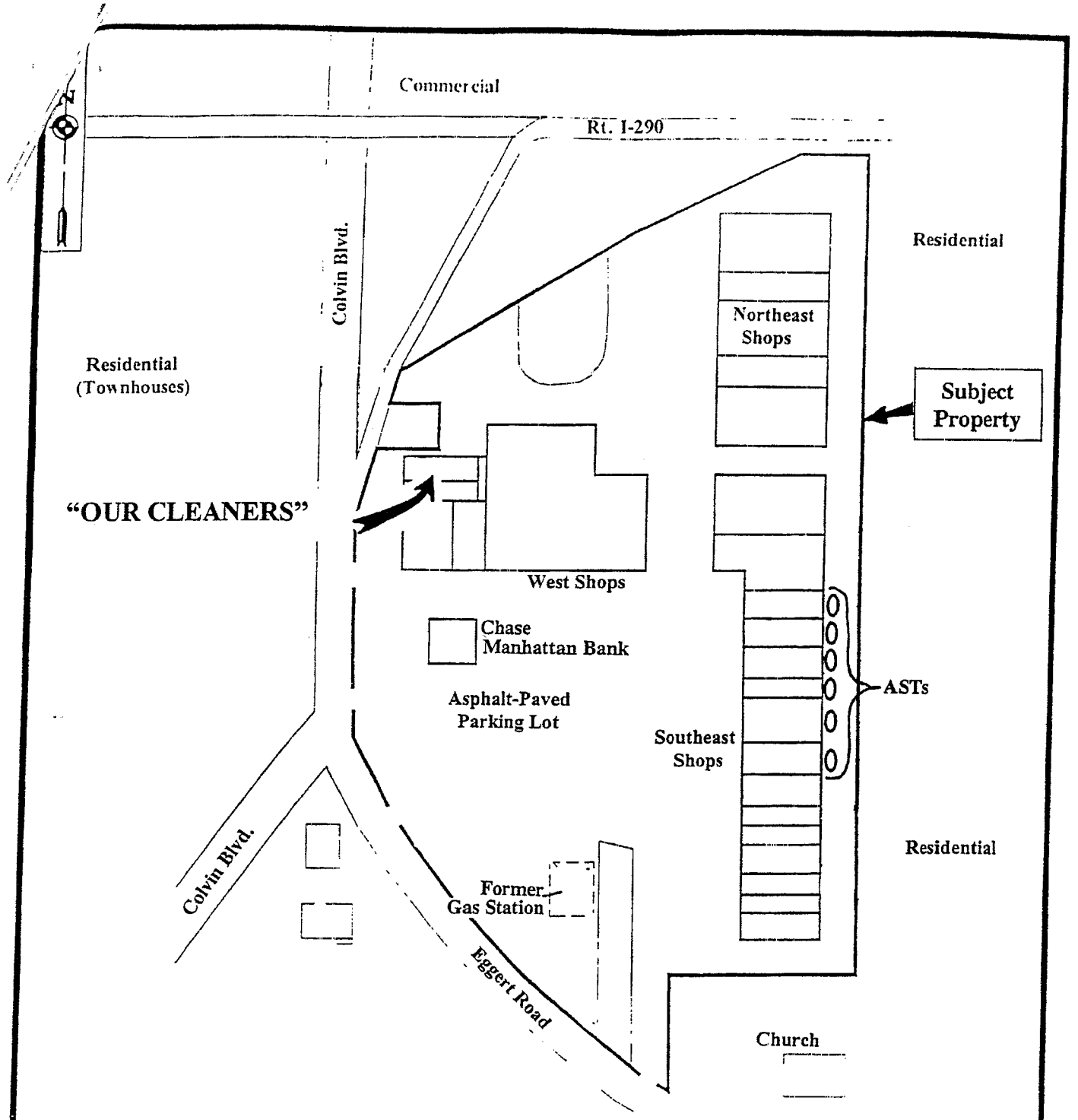

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Figure 1
Colvin-Eggert Piaza

Colvin Boulevard and Eggert Road
Town of Tonawanda, Erie County, NY

Site Plan

Source: 1995 PSI Phase I Environmental Site Assessment

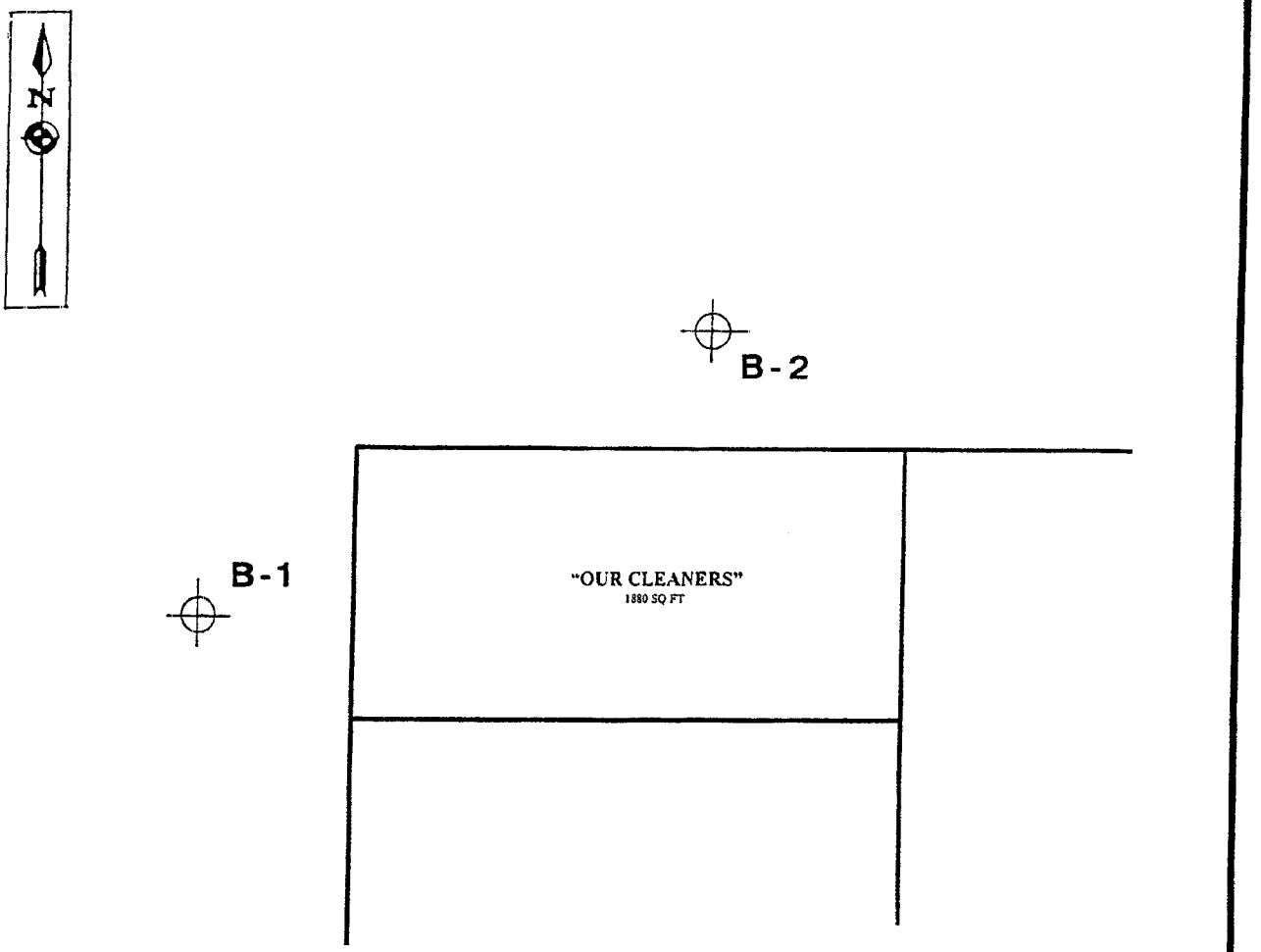

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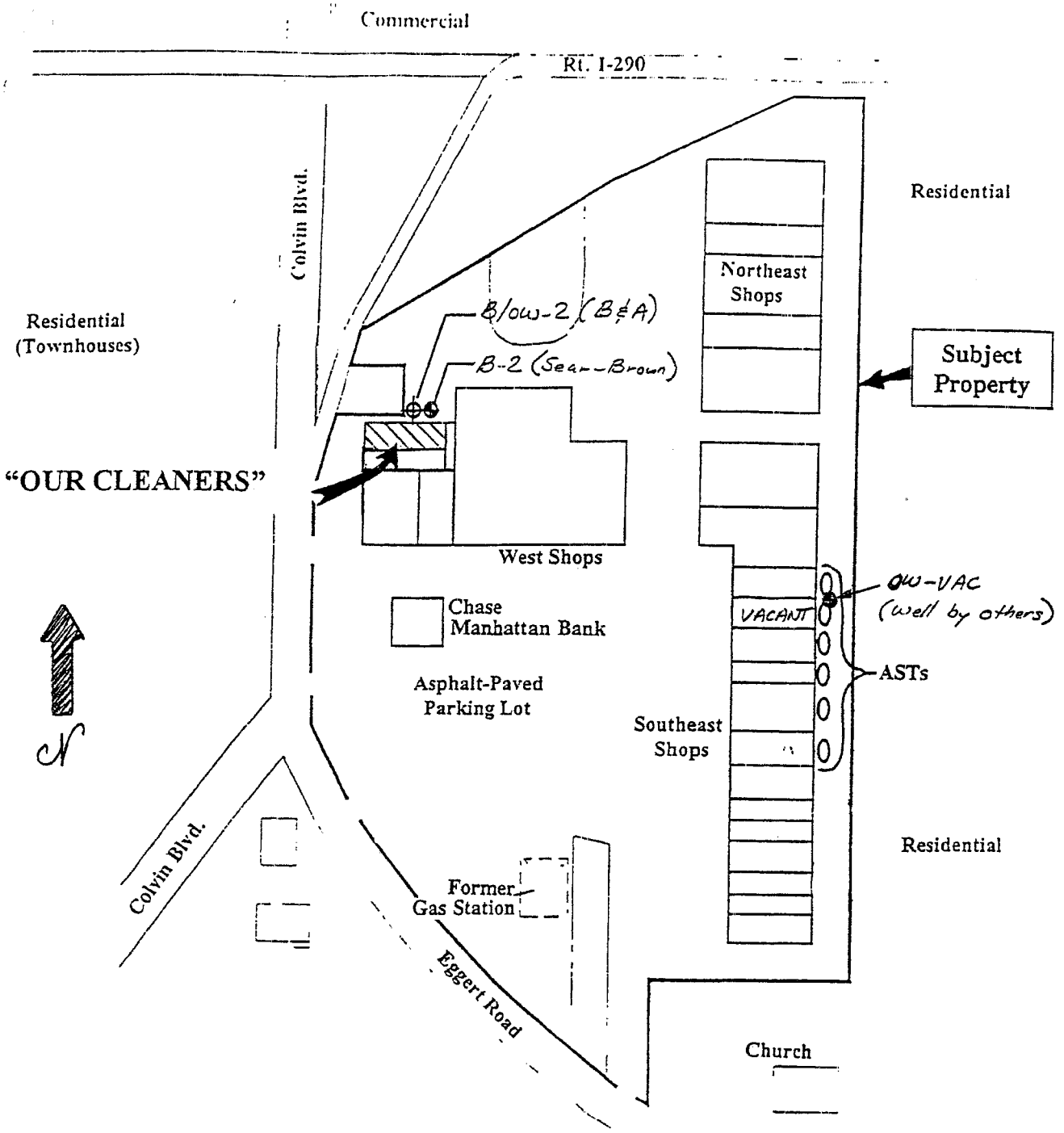
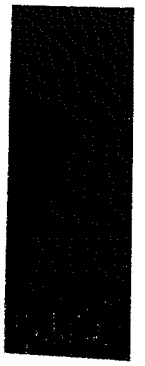
FIGURE 2
BOREHOLE LOCATIONS
COLVIN-EGGERT PLAZA
TONAWANDA, NY

1 inch = 20 feet



NOTES: 1) The base map for this drawing was based on The Sear-Brown Group, Rochester, NY, 1995 Site Plan.
2) Boring B-2 was installed by The Sear-Brown Group; the source of well OW-VAC (i.e., drilling company/consultant), as identified by Barron & Associates, P.C. in the field, is not known
3) Boring/monitoring well B/OW-2 was installed by Buffalo Drilling Co., Inc. (BDC), an affiliate of Barron & Associates, P.C

BARRON & ASSOCIATES, P.C. ***10440 MAIN STREET,*** ***CLARENCE, NEW YORK 14031***	*SITE LOCATION MAP* Colvin-Eggert Plaza Tonawanda, New York	**FIGURE:** 1
JOB NO.: 98-1307	**DATE:** 9/10/98	**SCALE:** None



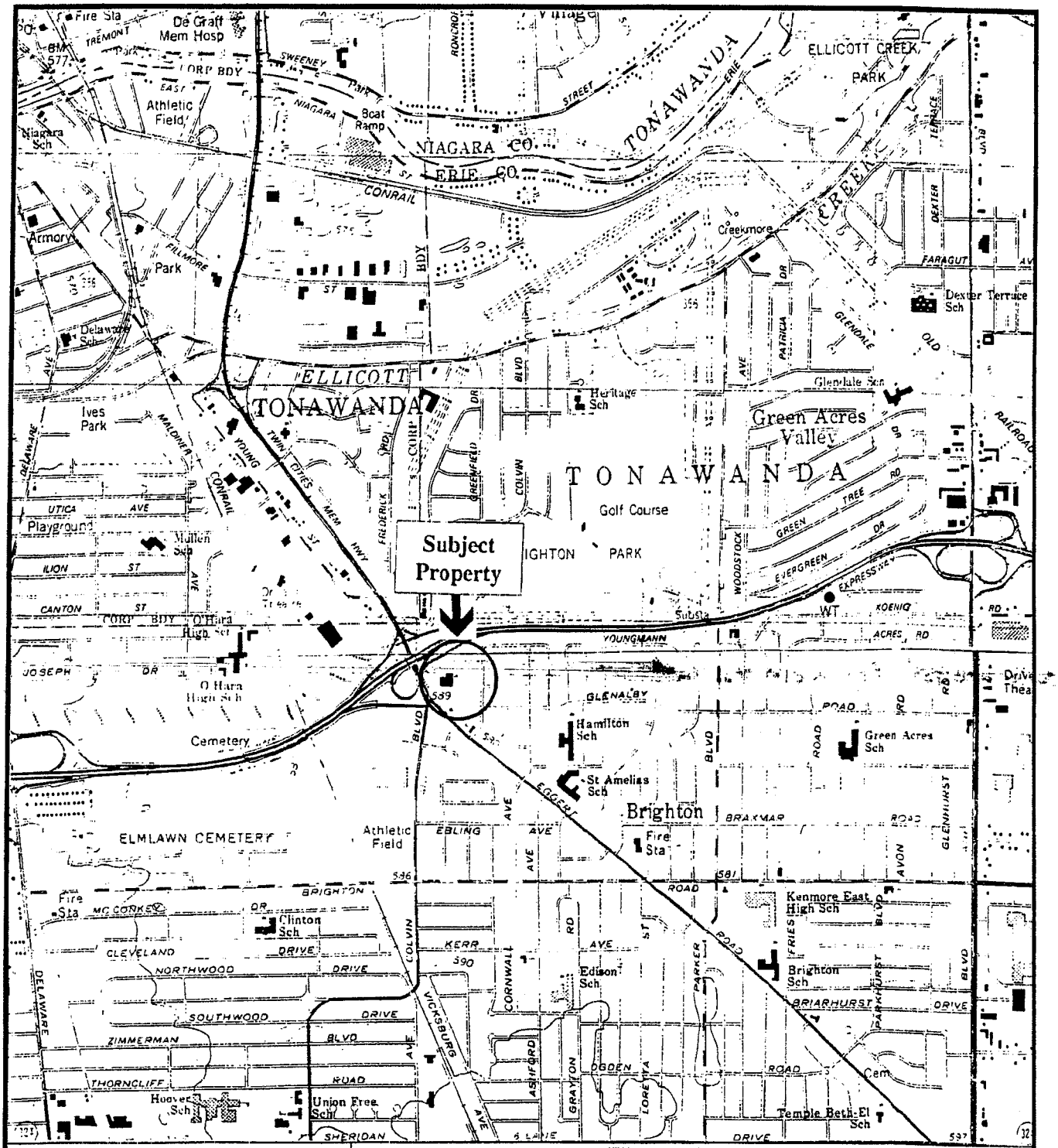


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Figure 1
Colvin-Eggert Plaza

Colvin Boulevard and Eggert Road
Town of Tonawanda, Erie County, NY

Site Location Map

Scale: 1 in = 2,000 ft.
Source: USGS Topographic Map, Buffalo Northeast and Tonawanda East Quadrangles

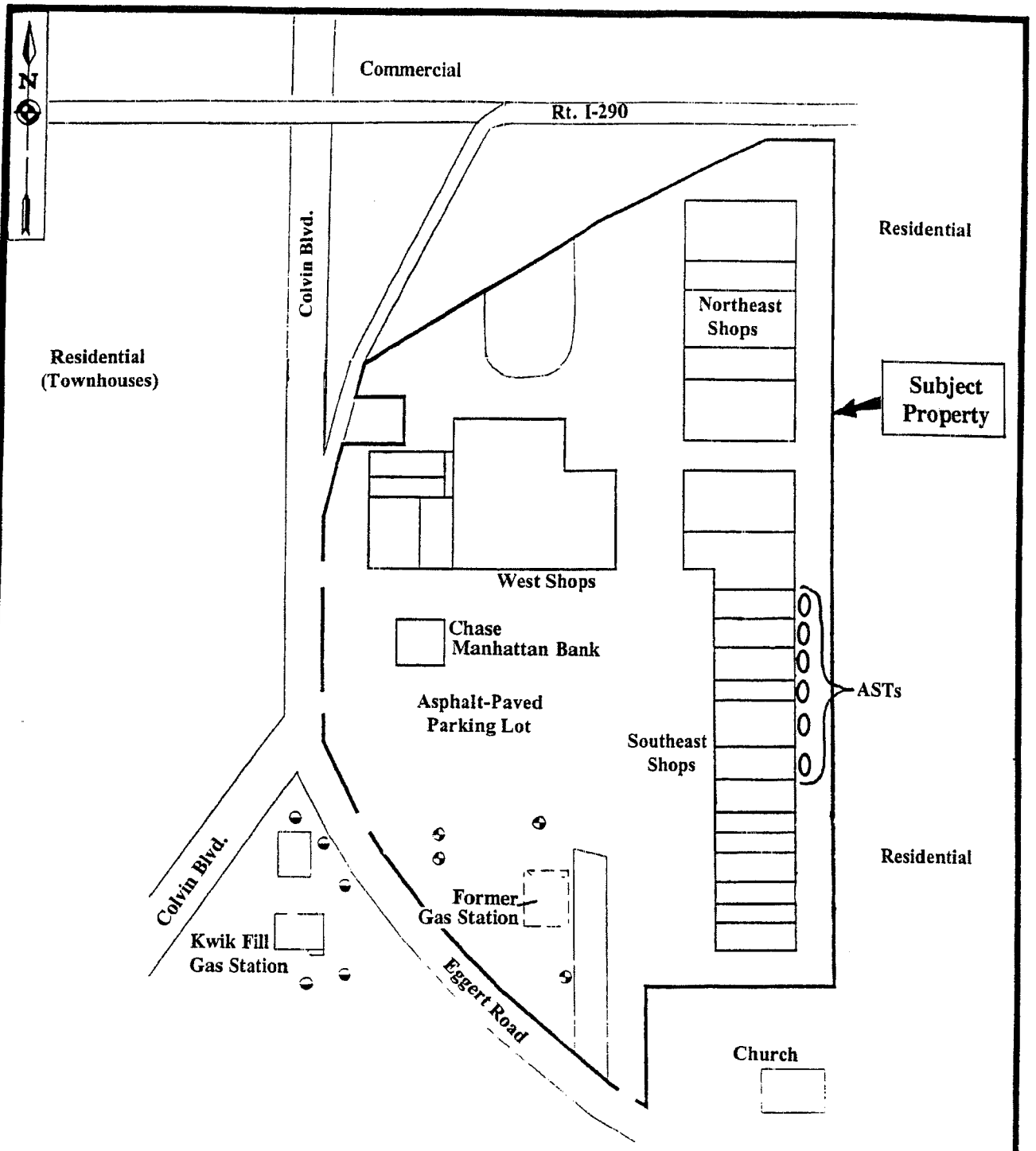

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Figure 2
Colvin-Eggert Plaza

Colvin Boulevard and Eggert Road
Town of Tonawanda, Erie County, NY

Site Plan

Source: 1995 PSI Phase I Environmental Site Assessment

H H SULLIVAN, INC 574617

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

NUMBER

APPLICANT

• TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION:
I hereby apply to inspect the following records under the provisions of the Freedom of Information Law:
DIVISIONS OF REGULATORY AFFAIRS, PBS & HWR FOR:
• PETRO-USA, 3177 EGGERT RD., TONAWANDA

After inspection, should I desire copies of all or part of the records inspected, I will identify the records to be copied and hereby offer to promptly pay the established fees. (Cost of reproduction or 25¢ per page as applicable). Contact me if cost will exceed $ _____.

Name (Print or type) THE SEAR-BROWN GROUP Telephone No. (716) 475-1440

Attention of: PATRICK LUKE

Mailing Address 285 METRO PARK, ROCHESTER, NY 14623

Signature Patrick Luke Date 4-10-98

CUSTODIAN

• TO THE APPLICANT:

—Records Provided

☐ The reproduction costs for the records provided are $ _____

☐ Records have been (partially, fully) provided. (If not fully provided, date when records are expected to be fully provided: _____)

—Records Not Available

☐ Records cannot be found after diligent search

☐ The Department is not the custodian for records indicated

—Records Denied

I hereby certify that access to the records—or part of the records—circled above has been denied to the applicant for the reason(s) checked below:

☐ Specifically exempt by other statute

☐ Unwarranted invasion of personal privacy

☐ Would impair present or imminent contract awards or collective bargaining negotations

☐ Are examination questions or answers

☐ Are inter-agency or intra-agency materials that are not:
- statistical or factual tabulations or data
- instructions to staff that affect the public
- final agency policy or determinations; or
- external audits, including but not limited to audits performed by the comptroller and the federal government

☐ Are trade secrets

☐ Would endanger the life or safety of any person

☐ Are compiled for law enforcement purposes and which, if disclosed would:
- interfere with law enforcement investigations or judicial proceedings
- deprive a person of the right to a fair trial or impartial adjudication
- identify a confidential source or disclose confidential information relating to a criminal investigation, or
- reveal criminal investigative techniques or procedures, except routine techniques and procedures

☐ Are computer access codes

Identification of records withheld (attach listing if additional space is required) and/or explanation if appropriate

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

NUMBER

APPLICANT

- TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION:
  I hereby apply to inspect the following records under the provisions of the Freedom of Information Law:

DIVISIONS OF REGULATORY AFFAIRS, PBS, & HWR FOR:

- OUR CLEANERS, 2257 COLVIN BLVD., TONAWANDA

After inspection, should I desire copies of all or part of the records inspected, I will identify the records to be copied and hereby offer to promptly pay the established fees. (Cost of reproduction or 25¢ per page as applicable). Contact me if cost will exceed $ _____.

Name (Print or type) THE SEAR-BROWN GROUP Telephone No. (716) 475-1440

Attention of: PATRICK LUKE

Mailing Address 85 METRO PARK, ROCHESTER, NY 14623

Signature Patrick Luke Date 4-10-98

DECISION

- TO THE APPLICANT:

—Records Provided

☐ The reproduction costs for the records provided are $ _____

☐ Records have been (partially, fully) provided. (If not fully provided, date when records are expected to be fully provided: _____)

—Records Not Available

☐ Records cannot be found after diligent search

☐ The Department is not the custodian for records indicated

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☐ Are computer access codes

Identification of records withheld (attach listing if additional space is required) and/or explanation if appropriate

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

NUMBER

APPLICANT

- TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION:
  I hereby apply to inspect the following records under the provisions of the Freedom of Information Law:
  DIVISIONS OF REGULATORY AFFAIRS, PBS, & HWR FOR:
  - RED APPLE KWIK FILL, 2309 COLVIN BLVD, TONAWANDA.

After inspection, should I desire copies of all or part of the records inspected, I will identify the records to be copied and hereby offer to promptly pay the established fees. (Cost of reproduction or 25¢ per page as applicable). Contact me if cost will exceed $ _____.

Name (Print or type) THE SEAR-BROWN GROUP Telephone No. (716) 475-1440

Attention of: PATRICK LUKE

Mailing Address 485 METRO PARK, ROCHESTER, NY 14623

Signature Patrick Luke Date 4-10-98

COUNCIL

- TO THE APPLICANT:

—Records Provided

☐ The reproduction costs for the records provided are $ _____

☐ Records have been (partially, fully) provided. (If not fully provided, date when records are expected to be fully provided: _____)

—Records Not Available

☐ Records cannot be found after diligent search

☐ The Department is not the custodian for records indicated

—Records Denied

I hereby certify that access to the records—or part of the records—circled above has been denied to the applicant for the reason(s) checked below:

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☐ Would impair present or imminent contract awards or collective bargaining negotations

☐ Are examination questions or answers

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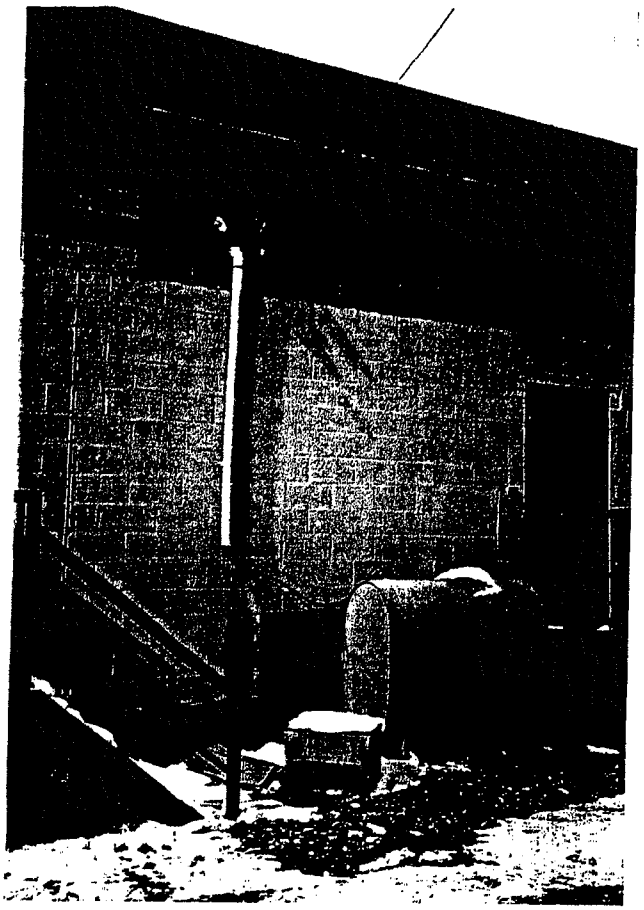
- identify a confidential source or disclose confidential information relating to a criminal investigation, or
- reveal criminal investigative techniques or procedures, except routine techniques and procedures

☐ Are computer access codes

Identification of records withheld (attach listing if additional space is required) and/or explanation if appropriate

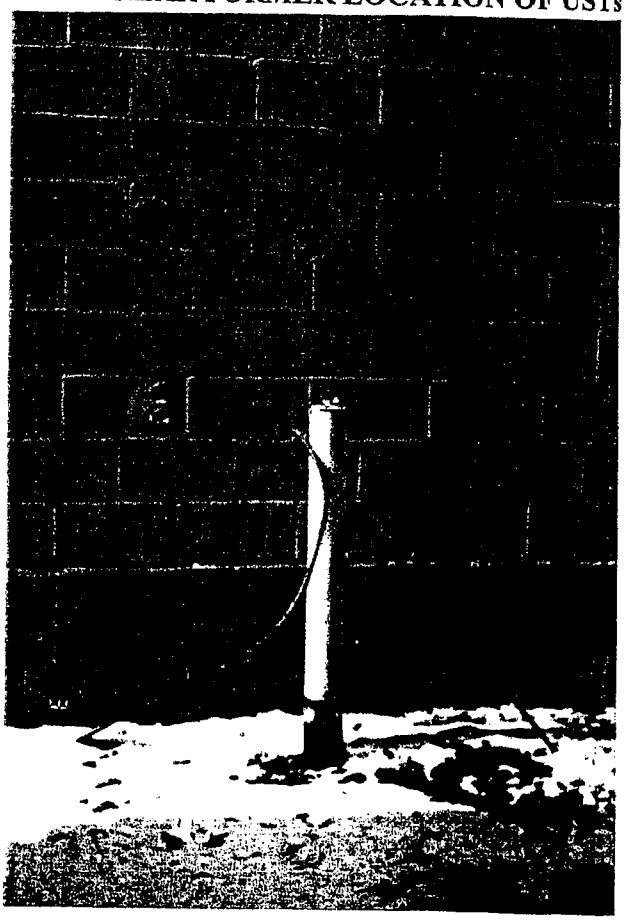
Appendix B

[redacted]



PHOTOGRAPH 1
275-GALLON FUEL OIL AST TO REAR
OF SOUTHEAST SHOPS AND REMNANT
OF FORMER UST VENT PIPE ON WALL

PHOTOGRAPH 2
PVC RISER TO EAST OF SOUTHEAST SHOPS
NEAR FORMER LOCATION OF USTs



Appendix C

THE **SEAR-BROWN** GROUP
FULL-SERVICE DESIGN PROFESSIONALS

85 METRO PARK
ROCHESTER, NEW YORK 14623-2674

716-475-1440 FAX: 716-272-1814

March 10, 1998

Mr. P. Jeffrey Birtch
Chief Operating Officer
The Benchmark Group
4053 Maple Road
Amherst, NY 14226-4986

RE: Summary of Prior Investigation Findings and Phase II Environmental Investigation Findings Colvin-Eggert Plaza Tonawanda, New York

14960.01

Dear Jeffrey:

Pursuant to our contractual agreement, please find enclosed our summary of findings regarding the Phase I and Phase II environmental investigation documents that you provided to us for the above-referenced site and the findings from our Phase II Environmental Investigation that was undertaken to further evaluate the location of the former gas station on the subject property. All the information contained herein is true and accurate to the best of our knowledge and can be relied upon by The Benchmark Group, SRK Colvin-Eggert Plaza Associates, and Marine Midland Bank.

Summary of Findings from Previous Investigations

Copies of the following documents (some of which were lacking pages or appendices) were provided and reviewed:

1. Phase II Investigation for Colvin-Eggert Plaza Tonawanda, New York prepared by Day Engineering, P.C. dated February 1992.

2 NYSDEC Spill No. 9112834 report letter to Mr. Michael J. Hinton at the NYSDEC prepared by Day Engineering, P.C. dated June 30, 1992.

3. Phase I Environmental Site Assessment, Colvin-Eggert Plaza, prepared by PSI Environmental Geotechnical Construction for AMRESCO Capital Corporation dated July 10, 1995.

4 Quarterly Site Status Report, Former Stop N' Go 2309 Colvin Boulevard, Tonawanda, New York, NYSDEC Spill #89-07656 prepared by Matrix Environmental Technologies for Sun Company, Inc. dated May 1995.

5. Subsurface Investigation 3177 Eggert Road (Colvin-Eggert Plaza), Tonawanda, NY prepared by Environmental Products & Services, Inc. dated January 4, 1996.

6. Groundwater Sampling, Monitoring Well CE-3, Soil Sampling Former UST #1, 3177 Eggert Rd. (Colvin- Eggert Plaza) Tonawanda, NY NYSDEC Spill 3 9112834 prepared by Environmental Products & Services, Inc. dated February 26, 1996.

7. Spill Number 9112834 Monitoring Well Status Colvin-Eggert Plaza Tonawanda, Erie County inactive status letter from NYSDEC dated March 1996.

8. Spill Number 9308794 Tank Site Status Colvin-Eggert Plaza Tonawanda, Erie County inactive status letter from NYSDEC dated March 1996.

9. Phase I Environmental Site Assessment 3207 Eggert Road, Tonawanda, NY prepared by Waste Resource Associates, Inc. dated January 1998.

Based on our review of the above documents, there were four primary issues that were identified at the site.

1. A gas station facility was operated on the southwest corner of the site from 1958 to 1988. Most recently, a Petro USA facility was present from 1981 to 1988 and four underground storage tanks (USTs) were removed in September, 1988 prior to Petro USA vacating the property in October, 1988. Investigations of this former gasoline station have identified the presence of gasoline constituents in the soil and groundwater above New York State Department of Environmental Conservation (DEC) soil guidance values and groundwater standards. As a result, a DEC Spill File No. 9112834 was established. However based on the results of their Phase II Investigations it was indicated by Day Engineering that the contamination was believed to be originating across the street at an active Kwik Fill gas station which is presently undergoing a soil and groundwater remediation program.

   The March 5, 1996 DEC letter to Amresco indicated that ..."the results exceed our New York State groundwater standards. However, since the results were low levels, we will not require any further work from you at this time. The site will have a status of "inactive"." With an inactive status the DEC has the option to re-open the file at any time in the future and request that further investigation and/or remediation be performed if there is reason to suspect the contamination is impacting a sensitive receptor or creating other concerns. Therefore, as a potential future owner, it was recommended that an additional Phase II investigation should be performed to assist in evaluating the potential liabilities associated with such a scenario. This program was authorized and is described later in this report.

2. A series of USTs and overlying aboveground storage tanks (ASTs) were historically located along the east side of the property behind what are described as the "southeast shops". A DEC Spill File No. 9308794 was established when a 250 gallon fuel oil tank overfill occurred and impacted the neighboring residential properties. According to the PSI Phase I report, the

affected soil was removed. According to the January 4, 1996 report prepared by EPS, ..."Excavation and removal of the former UST's was completed by EPS in August of 1995." However, a report describing their removal program was not observed in the documents provided to Sear-Brown. In addition, it is unclear from other documents provided whether six or seven tanks were removed and it appears that soil sampling was not performed at the time of their removal to verify the cleanliness of the excavations. As a result, three shallow soil samples (1.7 - 2.0 ft. below grade) were subsequently collected by EPS in the vicinity of three of the former tanks. It was reported that the presence of water lines and the inability to trace those lines prevented deeper sampling. A letter from DEC gave the spill file an "inactive" status. However, similar to item 1 described above, this file could be re-opened in the future if there is reason to suspect the contamination is impacting a sensitive receptor or creating other concerns. Should future site development require excavation in this area, a soil screening program should be conducted in conjunction with excavation.

3. Reference is made to an on-site dry cleaning operation (Our Cleaners). According to the first Day Engineering Phase II Report, no visible evidence of concrete deterioration was noted beneath the dry cleaning machine, and as a result Day indicated no further investigation was needed.

4. Two separate partial asbestos containing building material (ACBM) surveys have been performed at the site. However, neither one can been considered a complete pre-demolition survey as required by New York State Department of Labor Law.

Phase II Investigation Program

In order to further evaluate potential costs associated with remediation of the gas station parcel, should the inactive spill file be re-opened at a later date, Sear-Brown performed a one-day subsurface investigation on February 25, 1998 using a Geoprobe drilling rig to allow for the collection of soil and groundwater samples. The one-day Geoprobe program involved the installation of five soil borings (B-1 through B-5) to depths ranging between 10 and 24 ft below ground surface (bgs). These borings were used to supplement existing monitoring wells C/E-1, C/E-2 and C/E-3 installed by Day Engineering for documentation of on-site environmental conditions. As shown on Figure 1, B-1 was installed on the grass island at the southwesterly limit of the subject property. Boring B-2 was installed at the western edge of pavement on the subject property near the approximate position of a former pump island as depicted by Day Engineering, at a position approximately intermediate between B-1 and existing well C/E-1. Boring B-3 was installed within the western limits of the former gasoline station building. B-4 was installed adjacent to existing well C/E-1, and boring B-5 was installed immediately north of the former location of the gasoline station building in an area that was previously documented by Day Engineering to exhibit elevated soil vapor levels using a photoionization detector (PID).

Prior to initiating the drilling program, the Underground Facilities Protection Organization (UFPO) was contacted to locate publicly owned utilities in the investigation area. The Geoprobe equipment was decontaminated prior to use and between borehole locations using an Alconox and potable water was followed by a potable water rinse. Each boring was completed by Zebra Environmental, Inc. of Niagara Falls, New York. A Sear-Brown hydrogeologist was present for all drilling and sampling operations.

Continuous soil samples were collected from ground surface to the termination of each boring. With the exception of boring B-1, all borings penetrated asphalt and 0.5 to 2.0 ft of underlying compacted gravel fill material (crusher run). In general, native soils across the investigation area consisted of a red silty clay with pale gray mottling and occasional matrix supported pebble layers. The profile was slightly coarser textured at the B-4 location than elsewhere in the investigation area. A layer of pale red, well-sorted fine sand was present beneath the clay at depths ranging between 9 and 24 feet bgs.

The soil samples were screened with a calibrated HNu PID for the presence of elevated levels of volatile organic vapors. Headspace readings were performed in the office at the end of the day due to PID failure in the field. Based on field observations, a faint petroleum odor was noted in the clay layer in the vicinity of 8 ft bgs at the B-2 location. These observations corresponded slightly elevated PID readings (see Table 1). Within the underlying sand layer, slight petroleum odors were noted at the B-3 and B-4 locations. The most significant odors were observed in the deep sand samples 16-19 ft. bgs at B-2 as shown in Table 1.

Water levels were measured at the existing well C/E-1, C/E-2 and C/E-3 locations. In addition, measurements were also made at the B-1 and B-5 locations. Water level measures could not be made at the B-2, B-3 and B-5 locations due to hole collapse. Generally, however, water levels in wells screened exclusively in the sand were significantly lower than water levels observed in the clay at the B-3 and B-5 locations. Relatively deep water levels were recorded at B-1, C/E-2 and C/E-3. Shallow water levels were noted in borings B-3 and B-5 as well as existing well C/E-1. These shallow water levels are likely to reflect shallow storm water perched atop the clay. Although well C/E-1 was likely screened in the deeper sand, the well head was damaged and the water levels suggest influence from the shallow perched water.

The deep water levels in the sand appear to suggest an influence of the groundwater recovery system on the Kwik Fill site situated to the west/northwest of the subject property. Historic water level data collected during 1993 indicate a groundwater flow direction to the west/northwest toward actively pumped recovery wells on the Kwik Fill property. This west/northwesterly flow direction is counter to the trend of the surface topography. Based upon topography, natural groundwater flow conditions at the water table should be to the south/southeast.

Laboratory Analytical Program

A total of 8 soil samples and 6 groundwater samples were collected during the subsurface investigation. Both soil and groundwater samples were analyzed for total concentrations of Volatile Organic Compounds (VOCs) using EPA Method 8021 pursuant to DEC Spill Technology and Remediation Series (STARS) Memo #1, Petroleum-Contaminated Soil Guidance Series (August 1992). A summary of soil samples submitted for analytical testing is presented in Table 2.

In addition to sampling of on-site soils, attempts were made to collect groundwater samples from each of the five borings. All samples were collected using dedicated Teflon tubing and a 3/8" OD stainless steel Waterra inertial pump. Samples were collected from boring B-1 using a temporary 1" PVC well. The groundwater sample from B-2 was collected through the specially designed Geoprobe sampling system which consists of a sliding stainless steel outer sleeve and an inner 10-slot stainless steel screen. Attempts to sample groundwater at borings B-3 and B-4 through the Geoprobe sampling system were unsuccessful due to apparent clogging of the sampling screen by clay. A sample was collected from adjacent existing well C/E-1 as a surrogate for boring B-4. A groundwater sample from boring B-5 was successfully collected from a 1" PVC temporary well using the Waterra inertial pump.

Analytical Results

All soil and groundwater samples were forwarded to Paradigm Environmental Services, Inc. of Rochester, New York for analytical testing. Laboratory reports are presented in Appendix A.

Soil samples from boring B-2 exhibited slightly elevated concentrations in the 18-19 ft. bgs sand sample when compared to DEC soil guidance values. Groundwater samples from well C/E-3 and boring B-2 contained detectable concentrations of several VOCs at concentrations that exceed DEC Class GA groundwater standards. These two samples were drawn from the deep sand horizon and both contain elevated benzene, methyl tert-butyl ether, ethylbenzene, xylenes and n-propylbenzene. In addition, well C/E-3 contained detectable n-butylbenzene and boring B-2 contained two trimethylbenzene isomers at levels that exceed groundwater standards.

Conclusions

Review of the most recent data suggests that petroleum impacts persist in a relatively narrow zone adjacent to Eggert Road. Given the depth of the contamination, the previously documented groundwater flow directions toward the recovery wells on the Kwik Fill property to the west/northwest and the DEC's inactive status for the site, the data derived from this subsurface investigation suggest that no further action appears to be necessary as long as future site development does not require excavation of soils below a depth of 8 to 10 feet bgs.

Potential Remedial Cost

Based upon the results of the investigation, the impacted groundwater plume appears to be confined within the area represented by monitoring well MW-7, boring B-3 and B-1. Impacted soil appears to be limited to the vicinity of boring B-2. It is unknown to what extent, if any, the soil and groundwater is impacted below the Eggert Road Right-of-Way.

In the event remediation of the former gas station site was requested by DEC in the future, Sear-Brown anticipates that in-situ treatment of these affected media utilizing oxidation and bioremediation would be effective, considering the relatively low BTEX concentrations of petroleum impacted soil and groundwater at less than 1 part per million (ppm),. The oxidation and bioremediation mechanisms could rely upon the use of ORC™ as an oxygen source.

The active ingredient in ORC™ is magnesium peroxide which hydrolyzes in the presence of water to release oxygen. The oxygen is then available to support the oxidation and bioremediation of the petroleum contaminants. Review of a January 1997 report prepared by Geraghty and Miller, Inc. of the ORC™ product indicated that the process can be effective given the parameters of the subject property.

It is estimated that 120 pounds of ORC™ would be required. It has been assumed that one application will complete the remediation. The ORC™ would be mixed as a slurry and injected into the impacted soil and groundwater. The injection gallery would consist of an estimated 45 Geoprobe™ locations drilled on a grid pattern at approximate 10 foot centers. The process would be monitored through the collection of periodic groundwater samples from an existing monitoring well and one new monitoring well installed in the vicinity of boring B-2. Estimated remediation time is expected to be less than one year.

The estimated cost to implement this remedial option, should it be required at some future date, is $40,000±.

Should you have any questions or require further information, please feel free to call.

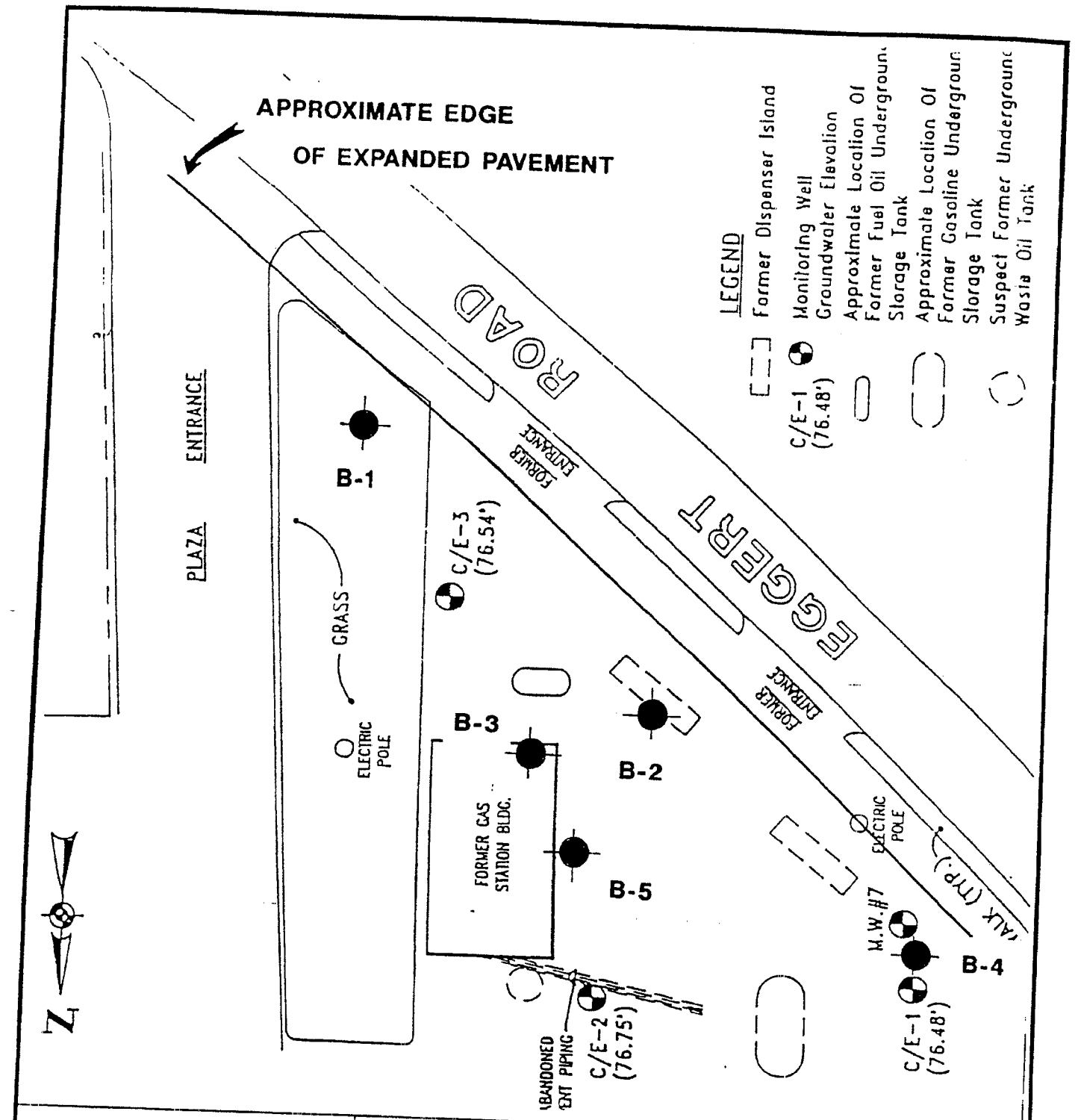
Very truly yours,

Geri Voosk for

Michael P. Storonsky
Associate

MPS 14960.01\R0001.doc

Enclosures



THE
SEAR-BROWN
GROUP

85 Metro Park
Rochester, NY 14623
(716) 475-1440

Figure 1
Colvin Eggert Plaza
Town of Tonowanda, Erie County, New York

Geoprobe Location Map

Scale: 1 in = 30 ft
Source: Day Engineering, P C Site Plan dated June 11, 1992

TABLE 1
SOIL BORING PID HEADSPACE SUMMARY
Eggert-Colvin Plaza
3177 Eggert Road
Tonawanda, New York

BOREHOLE	DEPTH (ft BGS)	PID READINGS			
		PEAK (ppm)	SUSTAINED (ppm)	BACKGROUND (ppm)	NET SUSTAINED (ppm)
B-1	0 - 2	0.4	0.4	0.4	0.0
	2 - 4	0.4	0.4	0.4	0.0
	4 - 6	0.6	0.4	0.4	0.0
	6 - 8	0.4	0.4	0.4	0.0
	8 - 10	0.4	0.4	0.4	0.0
	10 - 12	0.6	0.4	0.4	0.0
	12 - 14	0.4	0.4	0.4	0.0
	14 - 16	0.4	0.4	0.4	0.0
	16 - 19	0.4	0.4	0.4	0.0
	19 - 19.5	0.4	0.4	0.4	0.0
	19 - 22	0.4	0.4	0.4	0.0
	22 - 24	0.4	0.4	0.4	0.0
B-2	0 - 0.5	0.4	0.4	0.4	0.0
	0.5 - 1.5	0.4	0.4	0.4	0.0
	1.5 - 4.0	3.4	2.2	0.4	1.8
	4 - 6	3.0	2.2	0.4	1.8
	6 - 8	3.2	1.6	0.4	1.2
	8 - 9	6.2	0.4	0.4	0.0
	9 - 11	1.4	1.0	0.4	0.6
	11 - 12	0.8	0.6	0.4	0.2
	12 - 12.4	1.0	0.8	0.4	0.4
	12.4 - 13	3.2	1.8	0.4	1.4
	13 - 14	1.6	0.4	0.4	0.0
	14 - 16	4.0	2.2	0.4	1.8
	16 - 18	120.0	110.0	0.4	109.6
	18 - 19	110.0	80.0	0.4	79.6
B-3	0 - 0.5	0.4	0.4	0.4	0.0
	0.5 - 2	0.4	0.4	0.4	0.0
	2 - 4	NR	NR	NR	NR
	4 - 8	0.4	0.4	0.4	0.0
	8 - 9	0.4	0.4	0.4	0.0
	9 - 11	0.4	0.4	0.4	0.0
	11 - 14	0.4	0.4	0.4	0.0

TABLE 1
SOIL BORING PID HEADSPACE SUMMARY
Eggert-Colvin Plaza
3177 Eggert Road
Tonawanda, New York

BOREHOLE	DEPTH (ft BGS)	PID READINGS			
		PEAK (ppm)	SUSTAINED (ppm)	BACKGROUND (ppm)	NET SUSTAINED (ppm)
B-4	0 - 2	0.9	0.4	0.4	0.0
	2 - 4	NR	NR	0.4	NR
	4 - 8	0.4	0.4	0.4	0.0
	8 - 10	0.8	0.8	0.4	0.4
	10 - 12	0.4	0.4	0.4	0.0
	12 - 14	0.4	0.4	0.4	0.0
	14 - 16	0.4	0.4	0.4	0.0
B-5	0 - 2	0.4	0.4	0.4	0.0
	2 - 4	0.4	0.4	0.4	0.0
	4 - 7	0.6	0.4	0.4	0.0
	7 - 8	1.8	1.0	0.4	0.6
	8 - 9.5	0.8	0.4	0.4	0.0
	9.5 - 10	1.0	0.4	0.4	0.0

Notes:

1. ft BGS = feet Below Ground Surface.
2. ppm = parts per million.
3. NR = no recovery.

TABLE 2
SOIL SAMPLE SUMMARY

SAMPLE ID	DEPTH (ft BGS)	METHOD	PARAMETERS
B-2	0.5 - 1.5	grab	Volatiles, EPA Method 8021 STARS
	8 - 9	grab	Volatiles, EPA Method 8021 STARS
	18 - 19	grab	Volatiles, EPA Method 8021 STARS
B-3	8 - 9	grab	Volatiles, EPA Method 8021 STARS
	11 - 14	grab	Volatiles, EPA Method 8021 STARS
B-4	8 - 10	grab	Volatiles, EPA Method 8021 STARS
B-5	3 - 4	grab	Volatiles, EPA Method 8021 STARS
	7 - 8	grab	Volatiles, EPA Method 8021 STARS

Notes:

1. ft. BGS = feet Below Ground Surface

TABLE 3
GROUNDWATER SAMPLE SUMMARY

SAMPLE ID	COLLECTION METHOD	PARAMETERS
CE1-GW	Waterra inertial pump	Volatiles, EPA Method 8021 STARS
CE2-GW	Waterra inertial pump	Volatiles, EPA Method 8021 STARS
CE3-GW	Waterra inertial pump	Volatiles, EPA Method 8021 STARS
B1-GW	Waterra inertial pump	Volatiles, EPA Method 8021 STARS
B2-GW	Waterra inertial pump	Volatiles, EPA Method 8021 STARS
B5-GW	Waterra inertial pump	Volatiles, EPA Method 8021 STARS
TB	N/A	Volatiles, EPA Method 8021 STARS

Notes:
TB = Trip Blank
N/A = Not applicable, laboratory prepared sample for QA/QC purposes

APPENDIX A

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Solids (STARS List)

Client: The Sear-Brown Group

Client Job Site: Eggert-Colvin Plaza
3177 Eggert Road

Client Job No.: 14960.01

Field Location: B-2 (0.5-1.5)

Field ID No.: N/A

Lab Project No.: 98-0291

Lab Sample No.: 2008

Sample Type: Soil

Date Sampled: 02/25/98

Date Received: 02/26/98

Date Analyzed: 02/27/98

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 42
Benzene	ND< 42
Toluene	ND< 42
Ethylbenzene	ND< 42
m,p-Xylene	71
o-Xylene	ND< 42
Isopropylbenzene	ND< 42
n-Propylbenzene	ND< 42
1,3,5-Trimethylbenzene	ND< 42
tert-Butylbenzene	ND< 42
1,2,4-Trimethylbenzene	86
sec-Butylbenzene	ND< 42
p-Isopropyltoluene	ND< 42
n-Butylbenzene	ND< 42
Naphthalene	ND< 104

Analytical Method: EPA 8021

NYS ELAP ID No : 10958

Comments ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Solids (STARS List)

Client: The Sear-Brown Group

Client Job Site: Eggert-Colvin Plaza
3177 Eggert Road

Client Job No.: 14960 01

Field Location: B-2 (8-9)

Field ID No.: N/A

Lab Project No.: 98-0291
Lab Sample No.: 2009

Sample Type: Soil

Date Sampled: 02/25/98
Date Received: 02/26/98
Date Analyzed: 02/27/98

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	31.7
Benzene	ND< 5.2
Toluene	ND< 5.2
Ethylbenzene	ND< 5.2
m,p-Xylene	ND< 5.2
o-Xylene	ND< 5.2
Isopropylbenzene	ND< 5.2
n-Propylbenzene	ND< 5.2
1,3,5-Trimethylbenzene	ND< 5.2
tert-Butylbenzene	ND< 5.2
1,2,4-Trimethylbenzene	9.8
sec-Butylbenzene	ND< 5.2
p-Isopropyltoluene	ND< 5.2
n-Butylbenzene	ND< 5.2
Naphthalene	ND< 13.0

Analytical Method: EPA 8021

NYS ELAP ID No : 10958

Comments ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Solids (STARS List)

Client: The Sear-Brown Group

Client Job Site: Eggert-Colvin Plaza
3177 Eggert Road

Client Job No.: 14960.01

Field Location: B-2 (18-19)

Field ID No.: N/A

Lab Project No.: 98-0291

Lab Sample No.: 2010

Sample Type: Soil

Date Sampled: 02/25/98

Date Received: 02/26/98

Date Analyzed: 02/27/98

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 10.5*
Benzene	ND< 10.5*
Toluene	18.3*
Ethylbenzene	24.0*
m,p-Xylene	291.9
o-Xylene	129.7
Isopropylbenzene	ND< 10.5
n-Propylbenzene	15.7*
1,3,5-Trimethylbenzene	514.4
tert-Butylbenzene	16.4*
1,2,4-Trimethylbenzene	831.8
sec-Butylbenzene	ND< 10.5*
p-Isopropyltoluene	ND< 10.5*
n-Butylbenzene	ND< 10.5*
Naphthalene	418.3

Analytical Method: EPA 8021

NYS ELAP ID No: 10958

Comments: ND denotes not detected

* = data from second analytical run, 3/3/98

Approved By: _____
Laboratory Director

980291V3.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	98-0291
Client Job Site:	Eggert-Colvin Plaza 3177 Eggert Road	**Lab Sample No.:**	2011
Client Job No.:	14960 01	**Sample Type:**	Soil
Field Location:	B-3 (8-9)	**Date Sampled:**	02/25/98
Field ID No.:	N/A	**Date Received:**	02/26/98
		Date Analyzed:	02/27/98

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 6 1
Benzene	ND< 6 1
Toluene	ND< 6 1
Ethylbenzene	ND< 6 1
m,p-Xylene	ND< 6 1
o-Xylene	ND< 6 1
Isopropylbenzene	ND< 6 1
n-Propylbenzene	ND< 6 1
1,3,5-Trimethylbenzene	ND< 6 1
tert-Butylbenzene	ND< 6 1
1,2,4-Trimethylbenzene	ND< 6 1
sec-Butylbenzene	ND< 6 1
p-Isopropyltoluene	ND< 6 1
n-Butylbenzene	ND< 6 1
Naphthalene	ND< 15 1

Analytical Method: EPA 8021

NYS ELAP ID No : 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

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Volatile Aromatic Analysis Report For Solids (STARS List)

Client: The Sear-Brown Group

Client Job Site: Eggert-Colvin Plaza
3177 Eggert Road

Client Job No.: 14960.01

Field Location: B-3 (11-14)

Field ID No.: N/A

Lab Project No.: 98-0291
Lab Sample No.: 2012

Sample Type: Soil

Date Sampled: 02/25/98
Date Received: 02/26/98
Date Analyzed: 02/27/98

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 5.5
Benzene	ND< 5.5
Toluene	ND< 5.5
Ethylbenzene	ND< 5.5
m,p-Xylene	ND< 5.5
o-Xylene	ND< 5.5
Isopropylbenzene	ND< 5.5
n-Propylbenzene	ND< 5.5
1,3,5-Trimethylbenzene	ND< 5.5
tert-Butylbenzene	ND< 5.5
1,2,4-Trimethylbenzene	ND< 5.5
sec-Butylbenzene	ND< 5.5
p-Isopropyltoluene	ND< 5.5
n-Butylbenzene	ND< 5.5
Naphthalene	ND< 13.7

Analytical Method: EPA 8021

NYS ELAP ID No.: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

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Volatile Aromatic Analysis Report For Solids (STARS List)

Client: The Sear-Brown Group

Client Job Site: Eggert-Colvin Plaza
3177 Eggert Road

Client Job No.: 14960 01

Field Location: B-4 (8-10)

Field ID No.: N/A

Lab Project No.: 98-0291

Lab Sample No.: 2013

Sample Type: Soil

Date Sampled: 02/25/98

Date Received: 02/26/98

Date Analyzed: 02/27/98

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 5.4
Benzene	ND< 5.4
Toluene	ND< 5.4
Ethylbenzene	ND< 5.4
m,p-Xylene	ND< 5.4
o-Xylene	ND< 5.4
Isopropylbenzene	ND< 5.4
n-Propylbenzene	ND< 5.4
1,3,5-Trimethylbenzene	ND< 5.4
tert-Butylbenzene	ND< 5.4
1,2,4-Trimethylbenzene	ND< 5.4
sec-Butylbenzene	ND< 5.4
p-Isopropyltoluene	ND< 5.4
n-Butylbenzene	ND< 5.4
Naphthalene	ND< 13.5

Analytical Method: EPA 8021

NYS ELAP ID No: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Solids (STARS List)

Client: The Sear-Brown Group

Client Job Site: Eggert-Colvin Plaza
3177 Eggert Road

Client Job No.: 14960.01

Field Location: B-5 (3-4)

Field ID No.: N/A

Lab Project No.: 98-0291

Lab Sample No.: 2014

Sample Type: Soil

Date Sampled: 02/25/98

Date Received: 02/26/98

Date Analyzed: 02/27/98

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 4.8
Benzene	ND< 4.8
Toluene	ND< 4.8
Ethylbenzene	ND< 4.8
m,p-Xylene	ND< 4.8
o-Xylene	ND< 4.8
Isopropylbenzene	ND< 4.8
n-Propylbenzene	ND< 4.8
1,3,5-Trimethylbenzene	ND< 4.8
tert-Butylbenzene	ND< 4.8
1,2,4-Trimethylbenzene	7.7
sec-Butylbenzene	ND< 4.8
p-Isopropyltoluene	ND< 4.8
n-Butylbenzene	ND< 4.8
Naphthalene	ND< 12.1

Analytical Method: EPA 8021

NYS ELAP ID No: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Solids (STARS List)

Client:	The Sear-Brown Group	Lab Project No.:	98-0291
Client Job Site:	Eggert-Colvin Plaza 3177 Eggert Road	Lab Sample No.:	2015
Client Job No.:	14960.01	Sample Type:	Soil
Field Location:	B-5 (7-8)	Date Sampled:	02/25/98
Field ID No.:	N/A	Date Received:	02/26/98
		Date Analyzed:	02/27/98

VOLATILE AROMATICS	RESULTS (ug/Kg)
Methyl tert-Butyl Ether	ND< 48
Benzene	ND< 48
Toluene	ND< 48
Ethylbenzene	ND< 48
m,p-Xylene	ND< 48
o-Xylene	ND< 48
Isopropylbenzene	ND< 48
n-Propylbenzene	ND< 48
1,3,5-Trimethylbenzene	ND< 48
tert-Butylbenzene	ND< 48
1,2,4-Trimethylbenzene	ND< 48
sec-Butylbenzene	ND< 48
p-Isopropyltoluene	ND< 48
n-Butylbenzene	ND< 48
Naphthalene	ND< 120

Analytical Method: EPA 8021

NYS ELAP ID No : 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 • (800) 724-1997
FAX (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		
COMPANY The Sear-Brown Group		COMPANY		LAB PROJECT #
ADDRESS 333 Metro Park		ADDRESS		98 0241
CITY Rochester STATE NY ZIP 14623		CITY STATE ZIP		P.O. #
ATT. M. Sturonsky PHONE# 475-1440		ATT. PHONE#		
FAX# 424-4522		FAX#		☐ ADDENDUM

PROJECT NAME/SITE NAME: Eggert-Calvin Plaza 3177 Eggert Rd
PROJECT # 14960.01

COMMENTS:

TURN AROUND TIME (WORKING DAYS) ☐ ONE ☐ THREE ☐ FIVE(STD) ☐ OTHER 3/5
REPRESENTATIVE:

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REQUESTED ANALYSIS: 8021 STARS	REMARKS	PARADIGM LAB SAMPLE NUMBER	ANALYTICAL COSTS
1	2-25-98	1430		X	B-2 (0.5-1.5) *	S	1	X			
2	2-25-98	1740		X	B-2 (8-9) *	S	1	X		2008	
3	2-25-98	1430		X	B-2 (18-19) *	S	1	X		2009	
4	2-25-98	1435		X	B-3 (8-9)	S	1	X	* elevated PID — HOT	2010	
5	2-25-98	1435		X	B-3 (11-14)	S	X	X		2011	
6	2-25-98	1630		X	B-4 (8-10)	S	1	X		2012	
7	2-25-98	1630		X	B-5 (3-4)	S	1	X		2013	
8	2-25-98	1630		X	B-5 (7-8)	S	1	X		2014	
9										2015	
10											
11											
12											

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME	SAMPLE CONDITION	CHECK #	TOTAL COST
[signature]	2-26-98 1050	[signature]	2-26-98 1050			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME	CARRIER COMPANY	AIR BILL NO.	P.I.F
RELINQUISHED BY:	DATE/TIME	RECEIVED @ LAB BY: [signature]	DATE/TIME 2/26/98 1130	CARRIER PHONE #	DATE RESULTS REPORTED BY:	DATE/TIME

WHITE COPY-SAMPLE YELLOW COPY-FILE PINK COPY-RELINQUISHER

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water (STARS List)

Client:	The Sear-Brown Group	**Lab Project No.:**	98-0290
Client Job Site:	Eggert-Colvin Plaza 3177 Eggert Road	**Lab Sample No.:**	2006
Client Job No.:	14960 01	**Sample Type:**	Water
Field Location:	CEI-GW	**Date Sampled:**	02/25/98
Field ID No.:	N/A	**Date Received:**	02/26/98
		Date Analyzed:	02/26/98

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 20
Benzene	ND< 07
Toluene	ND< 20
Ethylbenzene	ND< 20
m,p-Xylene	ND< 20
o-Xylene	ND< 20
Isopropylbenzene	ND< 20
n-Propylbenzene	ND< 20
1,3,5-Trimethylbenzene	ND< 20
tert-Butylbenzene	ND< 20
1,2,4-Trimethylbenzene	ND< 20
sec-Butylbenzene	ND< 20
p-Isopropyltoluene	ND< 20
n-Butylbenzene	ND< 20
Naphthalene	ND< 50

Analytical Method: EPA 8021

NYS ELAP ID No : 10958

Comments ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water (STARS List)

Client:	The Sear-Brown Group	Lab Project No.:	98-0290
Client Job Site:	Eggert-Colvin Plaza 3177 Eggert Road	Lab Sample No.:	2001
Client Job No.:	14960 01	Sample Type:	Water
Field Location:	CE2-GW	Date Sampled:	02/25/98
Field ID No.:	N/A	Date Received:	02/26/98
		Date Analyzed:	02/26/98

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2 0
Benzene	ND< 0 7
Toluene	ND< 2 0
Ethylbenzene	ND< 2 0
m,p-Xylene	ND< 2 0
o-Xylene	ND< 2 0
Isopropylbenzene	ND< 2 0
n-Propylbenzene	ND< 2 0
1,3,5-Trimethylbenzene	ND< 2 0
tert-Butylbenzene	ND< 2 0
1,2,4-Trimethylbenzene	ND< 2 0
sec-Butylbenzene	ND< 2 0
p-Isopropyltoluene	ND< 2 0
n-Butylbenzene	ND< 2 0
Naphthalene	ND< 5 0

Analytical Method: EPA 8021

NYS ELAP ID No : 10958

Comments ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water (STARS List)

Client: The Sear-Brown Group

Client Job Site: Eggert-Colvin Plaza
3177 Eggert Road

Client Job No.: 14960 01

Field Location: CE3-GW

Field ID No.: N/A

Lab Project No.: 98-0290
Lab Sample No.: 2002

Sample Type: Water

Date Sampled: 02/25/98
Date Received: 02/26/98
Date Analyzed: 02/27/98

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	114.7
Benzene	1076.8
Toluene	ND< 10.0
Ethylbenzene	99.1
m,p-Xylene	77.7
o-Xylene	ND< 10.0
Isopropylbenzene	ND< 10.0
n-Propylbenzene	15.1
1,3,5-Trimethylbenzene	ND< 10.0
tert-Butylbenzene	ND< 10.0
1,2,4-Trimethylbenzene	ND< 10.0
sec-Butylbenzene	ND< 10.0
p-Isopropyltoluene	ND< 10.0
n-Butylbenzene	10.5
Naphthalene	ND< 25.0

Analytical Method: EPA 8021

NYS ELAP ID No : 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water (STARS List)

Client:	The Sear-Brown Group	Lab Project No.:	98-0290
Client Job Site:	Eggert-Colvin Plaza 3177 Eggert Road	Lab Sample No.:	2003
Client Job No.:	14960.01	Sample Type:	Water
Field Location:	B1-GW	Date Sampled:	02/25/98
Field ID No.:	N/A	Date Received:	02/26/98
		Date Analyzed:	02/26/98

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2.0
Benzene	ND< 0.7
Toluene	ND< 2.0
Ethylbenzene	ND< 2.0
m,p-Xylene	ND< 2.0
o-Xylene	ND< 2.0
Isopropylbenzene	ND< 2.0
n-Propylbenzene	ND< 2.0
1,3,5-Trimethylbenzene	ND< 2.0
tert-Butylbenzene	ND< 2.0
1,2,4-Trimethylbenzene	ND< 2.0
sec-Butylbenzene	ND< 2.0
p-Isopropyltoluene	ND< 2.0
n-Butylbenzene	ND< 2.0
Naphthalene	ND< 5.0

Analytical Method: EPA 8021

NYS ELAP ID No.: 10958

Comments ND denotes not detected

Approved By: _____
Laboratory Director

980290V2.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water (STARS List)

Client:	The Sear-Brown Group	Lab Project No.:	98-0290
Client Job Site:	Eggert-Colvin Plaza 3177 Eggert Road	Lab Sample No.:	2005
Client Job No.:	14960.01	Sample Type:	Water
Field Location:	B2-GW	Date Sampled:	02/25/98
Field ID No.:	N/A	Date Received:	02/26/98
		Date Analyzed:	02/27/98

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	215.5
Benzene	1031.0
Toluene	39.4
Ethylbenzene	111.6
m,p-Xylene	35.8
o-Xylene	13.0
Isopropylbenzene	ND< 10.0
n-Propylbenzene	21.2
1,3,5-Trimethylbenzene	34.6
tert-Butylbenzene	ND< 10.0
1,2,4-Trimethylbenzene	28.9
sec-Butylbenzene	ND< 10.0
p-Isopropyltoluene	ND< 10.0
n-Butylbenzene	ND< 10.0
Naphthalene	ND< 25.0

Analytical Method: EPA 8021

NYS ELAP ID No : 10958

Comments ND denotes not detected

Approved By: _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Aromatic Analysis Report For Non-Potable Water (STARS List)

Client: The Sear-Brown Group

Client Job Site: Eggert-Colvin Plaza
3177 Eggert Road

Client Job No.: 14960 01

Field Location: TB
Field ID No.: N/A

Lab Project No.: 98-0290
Lab Sample No.: 2007

Sample Type: Water

Date Sampled: 02/25/98
Date Received: 02/26/98
Date Analyzed: 02/26/98

VOLATILE AROMATICS	RESULTS (ug/L)
Methyl tert-Butyl Ether	ND< 2.0
Benzene	ND< 0.7
Toluene	ND< 2.0
Ethylbenzene	ND< 2.0
m,p-Xylene	ND< 2.0
o-Xylene	ND< 2.0
Isopropylbenzene	ND< 2.0
n-Propylbenzene	ND< 2.0
1,3,5-Trimethylbenzene	ND< 2.0
tert-Butylbenzene	ND< 2.0
1,2,4-Trimethylbenzene	ND< 2.0
sec-Butylbenzene	ND< 2.0
p-Isopropyltoluene	ND< 2.0
n-Butylbenzene	ND< 2.0
Naphthalene	ND< 5.0

Analytical Method: EPA 8021

NYS ELAP ID No: 10958

Comments: ND denotes not detected

Approved By: _____
Laboratory Director

ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 • (800) 724-1997
FAX (716) 647-3311

CHAIN OF COUSTODY

PROJECT NAME/SITE NAME: Egger rt-Colvin Plaza
377 Eggert Rd
PROJECT #: 14960.01

REPORT TO:
COMPANY: THE SEAR BROWN GROUP
ADDRESS: 333 METRO PARK
CITY: ROCHESTER STATE: NY ZIP: 14623
ATT.: M. STORONSKY PHONE#: 475-1440
FAX#: 424-4522
COMMENTS:

INVOICE TO:
COMPANY:
ADDRESS:
CITY: STATE: ZIP:
ATT.: PHONE#:
FAX#:

LAB PROJECT #: 98-0290
P.O. #:
☐ ADDENDUM

TURN AROUND TIME (WORKING DAYS) ☐ ONE ☐ THREE ☐ FIVE(STD) ☐ OTHER 2/27
REPRESENTATIVE:

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REQUESTED ANALYSIS: 8021 STARS VOC	REMARKS	PARADIGM LAB SAMPLE NUMBER	ANALYTICAL COSTS
1	2-25-98	1215		X	CE2-GW	W	2	X		2001	
2	2-25-98	1235		X	CE3-GW	W	2	X		2002	
3	2-25-98	1345		X	B1-GW	W	2	X		2003	
4	2-25-98	1530		X	B5-GW	W	2	X		2004	
5	~~2-25-98~~	~~1550~~		~~X~~	~~B5-GW~~	~~W~~	~~2~~	~~X~~ (DMW)			
6	2-25-98	1555		X	B2-GW	W	2	X		2005	
7	2-25-98	1650		X	~~B4-GW~~ CE1-GW	W	2	X	*location change per client 2/26/98	2006	
8	2-24-98	1145			TB	W	1			2007	
9											
10											
11											
12											

RELINQUISHED BY: [signature] DATE/TIME: 2-26-98 1050
RECEIVED BY: [signature] DATE/TIME: 2/26/98 1050
RELINQUISHED BY: DATE/TIME:
RECEIVED BY: DATE/TIME:
RELINQUISHED BY: DATE/TIME:
RECEIVED @ LAB BY: [signature] DATE/TIME: 2/26/98 1120

SAMPLE CONDITION:
CARRIER COMPANY:
CARRIER PHONE #:
CHECK #:
AIR BILL NO.:
TOTAL COST: P.I.F
DATE RESULTS REPORTED BY: DATE/TIME:

WHITE COPY-SAMPLE YELLOW COPY-FILE PINK COPY-RELINQUISHER

EPS OF VT, INC - ALBANY
PORT OF ALBANY
ALBANY, NY 12202

Profile #: A1007105-GT	Date10/26/2007
Approval #: A1007105-GT	Date10/26/2007
	Exp. Date:10/26/2008

(518) 465-4000 **FAX: (518) 465-5722** **Contact Person: WILDER**

Generator Information:

EPA ID #:

CUMBERLAND FARMS
777 DEDHAM RD

CANTON, MA 02021

Site Information:
CUMBERLAND FARMS #3118 -RENSSELAER
BLOOMINGROVE ROAD

RENSSELAER, NY 12144

Technical Contact: MELISSA GLIDDEN

Phone: (781) 828-4900
Fax: ( ) N/A-

Name of Waste: GASOLINE MIXTURE

Acceptable Facility Parameters:

PCB	N/A
Corrosivity	N/A
Flash Point	<140 deg F
Halogens	N/A

Chemical Composition of Waste (%)

GASOLINE	95.00%	-	99.00%
WATER	1.00%	-	5.00%

Process Generating Waste

DRAIN PRODUCT FROM LINES AT A GAS STATION DUE TO CONVERSION TO ETHANOL.

Manifest Information:

11. US DOT Description (Including Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Units	I. Waste No.
GASOLINE MIXTURE, 3, UN1203, II		D M		G	

J. Additional Descriptions	K. Handling Codes for Waste Listed Above
ERG# 128	S01

15. Special Handling Instructions and Additional Information

I certify the above information is accurate and the waste is not a hazardous waste according to New York State Department of Environmental Conservation and United States Environmental Protection Agency regulations

Generator (Print) Authorized Signature Date

Facility Approval (Print) Authorized Signature Date

Environmental Products & Services, Inc. is not permitted for and will not knowingly accept hazardous waste.

EPS OF VT, INC - ALBANY
PORT OF ALBANY
ALBANY, NY 12202

Profile #: A1007106-GT	Date10/26/2007
Approval #: A1007106-GT	Date10/26/2007
	Exp. Date:10/26/2008

(518) 465-4000 **FAX: (518) 465-5722** **Contact Person: WILDER**

Generator Information:

EPA ID #:

CUMBERLAND FARMS
777 DEDHAM RD

CANTON, MA 02021

Site Information:
CUMBERLAND FARMS #3108 -SCHENECTADY
CHRISLER & CRANE ST.

SCHENECTADY, NY 12303

Technical Contact: MELISSA GLIDDEN

Phone: (781) 828-4900
Fax: ( ) N/A-

Name of Waste: GASOLINE MIXTURE

Acceptable Facility Parameters:

PCB	N/A
Corrosivity	N/A
Flash Point	<140 deg F
Halogens	N/A

Chemical Composition of Waste (%)

GASOLINE	95.00%	-	99.00%
WATER	1.00%	-	5.00%

:

Process Generating Waste

DRAIN PRODUCT FROM LINES AT A GAS STATION DUE TO CONVERSION TO ETHANOL.

Manifest Information:

11. US DOT Description (Including Shipping Name, Hazard Class, and ID Number)	12. Containers	13. Total Quantity	14. Units	I. Waste No.
GASOLINE MIXTURE, 3, UN1203, II	D M		G	

J. Additional Descriptions	K. Handling Codes for Waste Listed Above
ERG# 128	S01

15. Special Handling Instructions and Additional Information

I certify the above information is accurate and the waste is not a hazardous waste according to New York State Department of Environmental Conservation and United States Environmental Protection Agency regulations

Generator (Print) _____ Authorized Signature _____ Date _____

Facility Approval (Print) _____ Authorized Signature _____ Date _____

Environmental Products & Services, Inc. is not permitted for and will not knowingly accept hazardous waste.

EPS OF VT, INC - ALBANY
PORT OF ALBANY
ALBANY, NY 12202

Profile #: A1007106-GT	Date10/26/2007
Approval #: A1007106-GT	Date10/26/2007
	Exp. Date:10/26/2008

(518) 465-4000 **FAX: (518) 465-5722** **Contact Person: WILDER**

Generator Information:

EPA ID #:

CUMBERLAND FARMS
777 DEDHAM RD

CANTON, MA 02021

Site Information:
CUMBERLAND FARMS #3108 -SCHENECTADY
CHRISLER & CRANE ST.

SCHENECTADY, NY 12303

Technical Contact: MELISSA GLIDDEN
Phone: (781) 828-4900
Fax: ( ) N/A-

Name of Waste: GASOLINE MIXTURE

Acceptable Facility Parameters:

PCB	N/A
Corrosivity	N/A
Flash Point	<140 deg F
Halogens	N/A

Chemical Composition of Waste (%)

GASOLINE	95.00%	-	99.00%
WATER	1.00%	-	5.00%

Process Generating Waste

DRAIN PRODUCT FROM LINES AT A GAS STATION DUE TO CONVERSION TO ETHANOL.

Manifest Information:

11. US DOT Description (Including Shipping Name, Hazard Class, and ID Number)	12. Containers	13. Total Quantity	14. Units	I. Waste No.
GASOLINE MIXTURE, 3, UN1203, II	D M		G	

J Additional Descriptions	K Handling Codes for Waste Listed Above
ERG# 128	S01

15 Special Handling Instructions and Additional Information

I certify the above information is accurate and the waste is not a hazardous waste according to New York State Department of Environmental Conservation and United States Environmental Protection Agency regulations

Generator (Print) Authorized Signature Date

Facility Approval (Print) Authorized Signature Date

Environmental Products & Services, Inc. is not permitted for and will not knowingly accept hazardous waste.

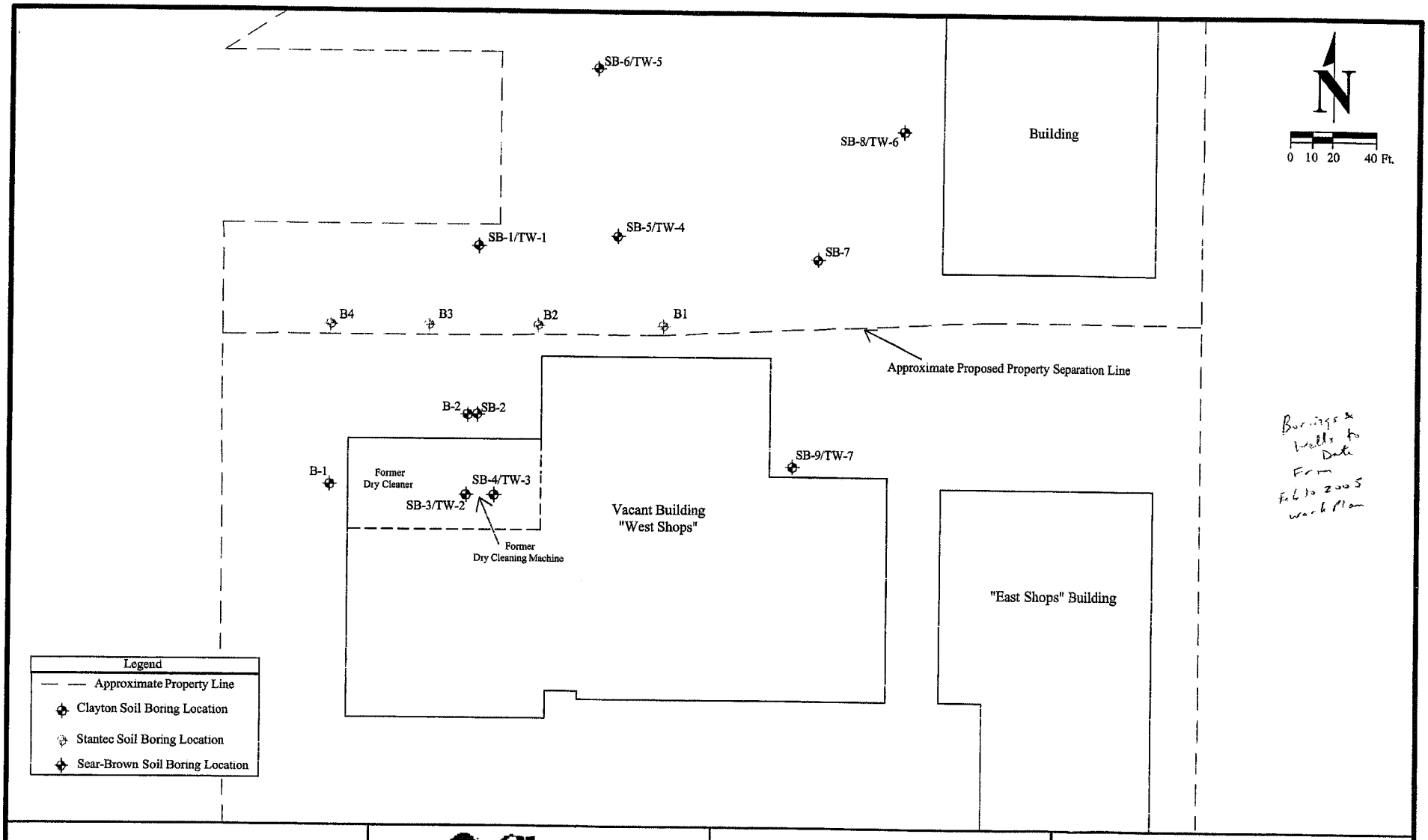

Figure 2
Portion of Plaza Property with Existing Soil Boring/Temporary Monitoring Well Locations

Clayton GROUP SERVICES

SITE: Colvin-Eggert Plaza
NEC of Colvin Boulevard and Eggert Road
Tonawanda, New York

The Benchmark Group

Clayton Project Number: 35-05096.00

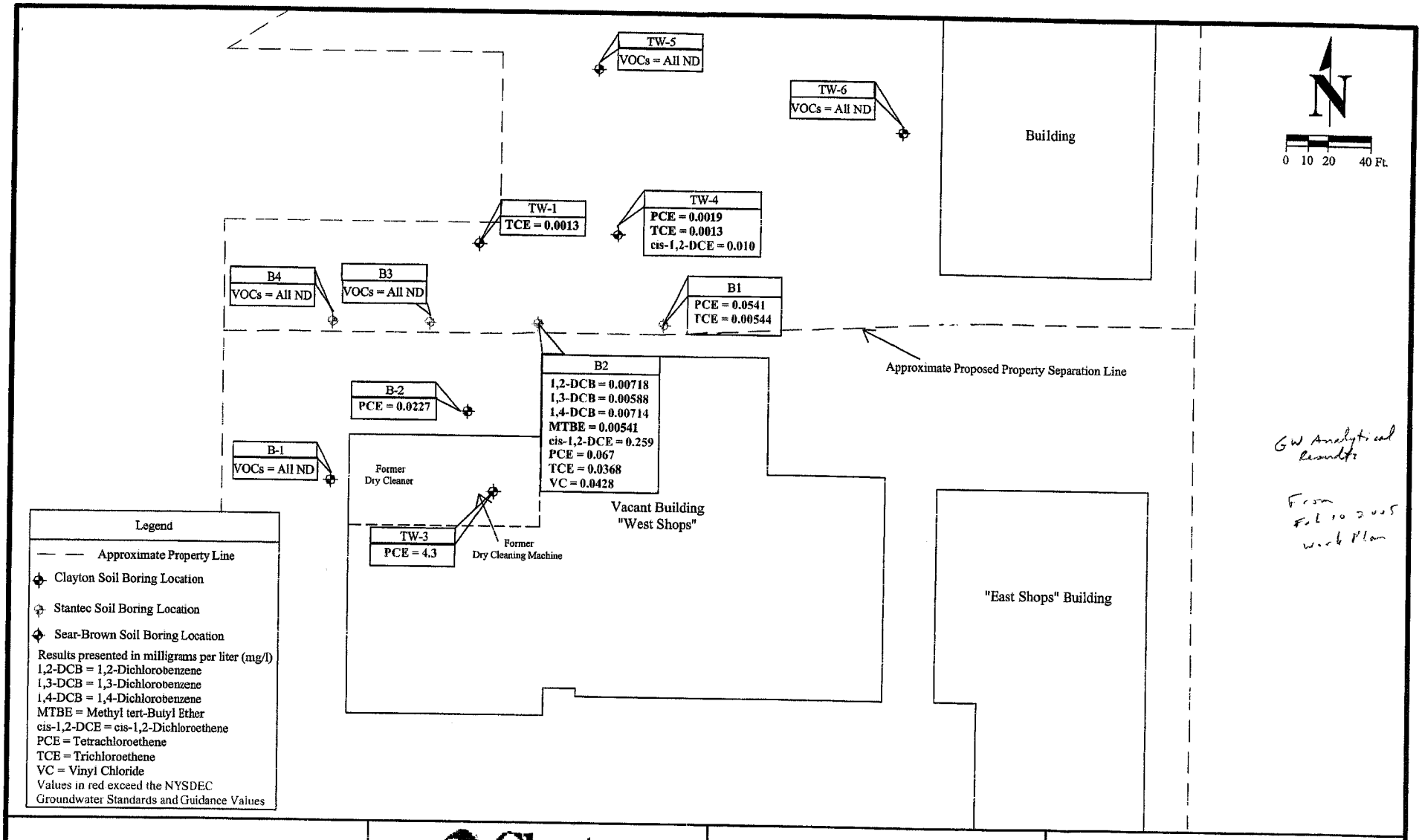

Figure 4
VOC Groundwater Analytical Data

Clayton GROUP SERVICES

SITE
Colvin-Eggert Plaza
NEC of Colvin Boulevard and Eggert Road
Tonawanda, New York

The Benchmark Group

Clayton Project Number: 35-05096.00

EPS OF VT, INC - ALBANY
PORT OF ALBANY
ALBANY, NY 12202

(518) 465-4000 **FAX: (518) 465-5722** **Contact Person: WILDER**

Profile #: A1007108-GT	Date10/26/2007
Approval #: A1007108-GT	Date10/26/2007
	Exp. Date:10/26/2008

Generator Information:

EPA ID #:

CUMBERLAND FARMS
777 DEDHAM RD

CANTON, MA 02021

Site Information:
CUMBERLAND FARMS #3102 -SCHENECTADY
1368 STATE STREET

SCHENECTADY, NY 12304

Technical Contact: MELISSA GLIDDEN

Phone: (781) 828-4900
Fax: ( ) N/A-

Name of Waste: GASOLINE MIXTURE

Acceptable Facility Parameters:

PCB	N/A
Corrosivity	N/A
Flash Point	<140 deg F
Halogens	N/A

Chemical Composition of Waste (%)

GASOLINE	95.00%	-	99.00%
WATER	1.00%	-	5.00%

Process Generating Waste

DRAIN PRODUCT FROM LINES AT A GAS STATION DUE TO CONVERSION TO ETHANOL.

Manifest Information:

11. US DOT Description (Including Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Units	I. Waste No.
GASOLINE MIXTURE, 3, UN1203, II		D M		G	

J. Additional Descriptions	K. Handling Codes for Waste Listed Above
ERG# 128	S01

15. Special Handling Instructions and Additional Information

I certify the above information is accurate and the waste is not a hazardous waste according to New York State Department of Environmental Conservation and United States Environmental Protection Agency regulations.

Generator (Print) Authorized Signature Date

Facility Approval (Print) Authorized Signature Date

Environmental Products & Services, Inc is not permitted for and will not knowingly accept hazardous waste.

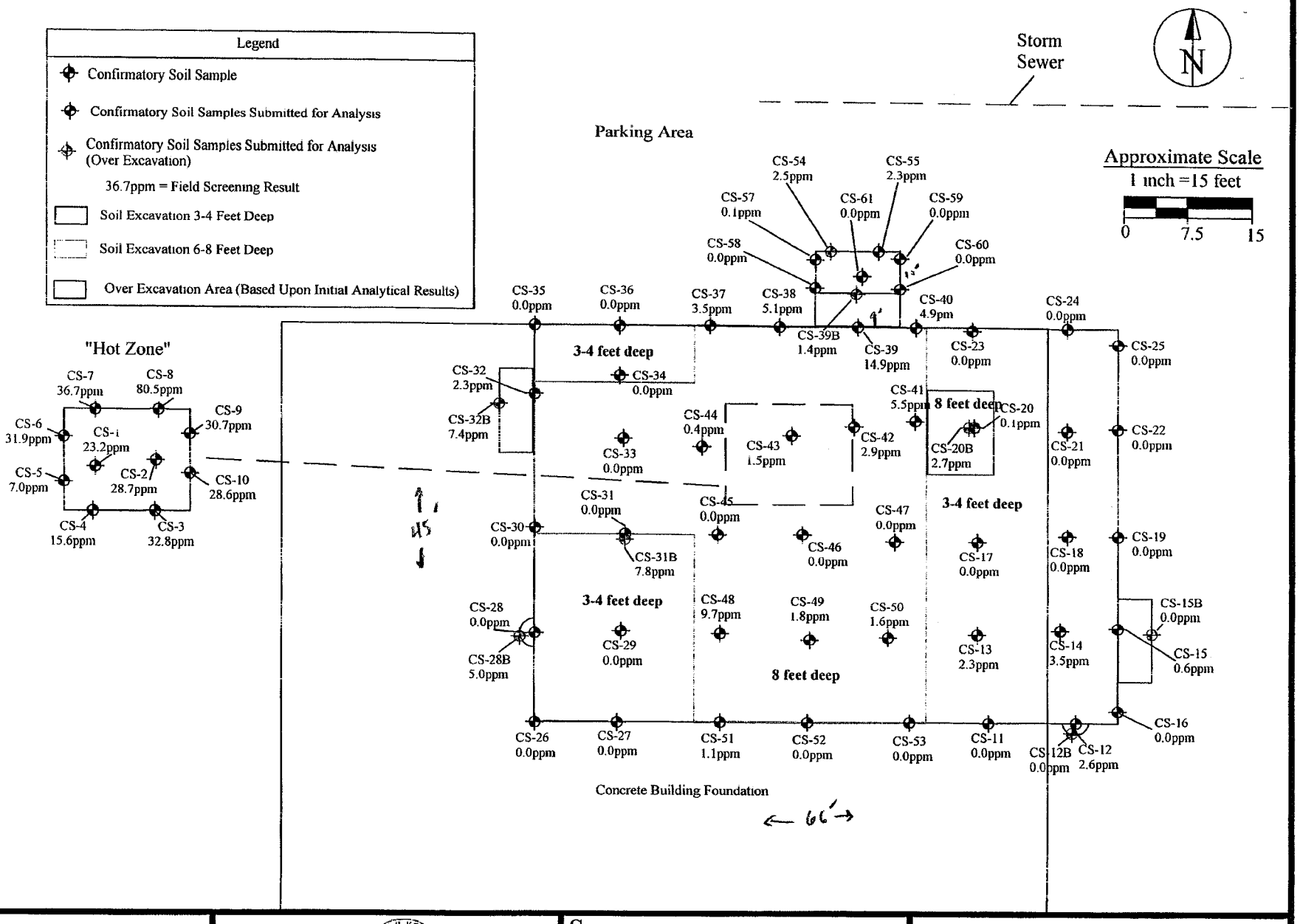

Figure 2
Confirmatory Soil Sample Locations
Following Removal of Chlorinated
Solvent Contaminated Soil

BUREAU VERITAS

SITE

Colvin-Eggert Plaza
NEC of Colvin Boulevard and
Eggert Road
Tonawanda, New York

The Benchmark Group

Project Number: 08006-106190.00

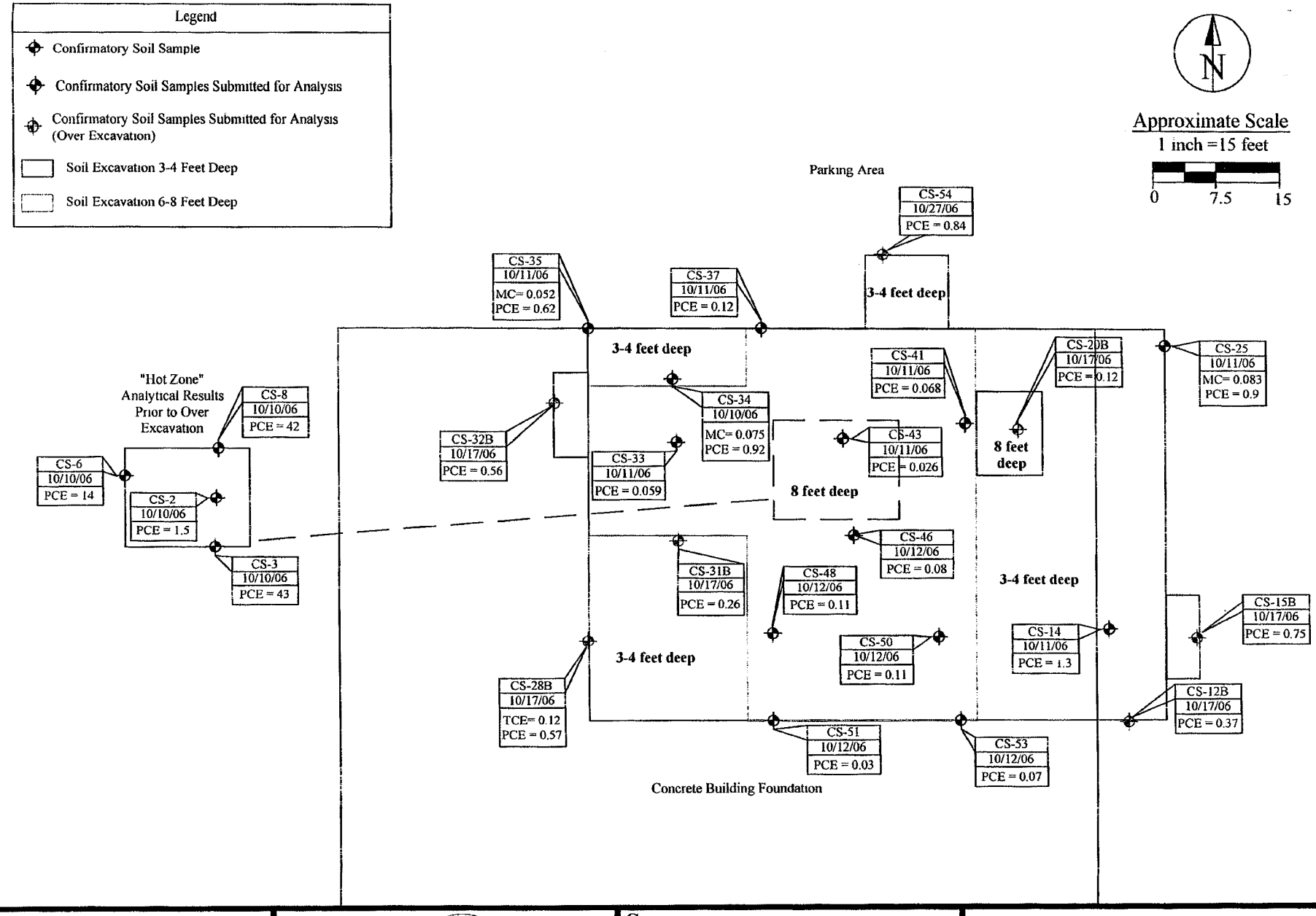

Figure 3
Confirmatory Soil Sample Analytical Results of Entire Excavation Area - Following Over Excavation

BUREAU VERITAS

SITE

Colvin-Eggert Plaza
NEC of Colvin Boulevard and Eggert Road
Tonawanda, New York

The Benchmark Group

Project Number: 08006-106190.00

Appendix B

TABLE 1
PID HEADSPACE SUMMARY
Colvin-Eggert Plaza
Tonawanda, NY

Boring	Sample	Depth (ft BGS)	PID Headspace			
			Peak (ppm)	Sustained (ppm)	Background (ppm)	Net Sustained (ppm)
B-1	S-1	1.0 - 1.5	0.3	0.3	0.2	0.1
		2.0 - 2.5	0.2	0.2	0.2	0.0
		3.5 - 4.0	0.2	0.2	0.2	0.0
	S-2	5.5 - 6.0	0.2	0.2	0.2	0.0
		7.5 - 8.0	0.2	0.2	0.2	0.0
	S-3	10.5 - 11.0	0.2	0.2	0.2	0.0
	S-4	13.0 - 13.5	0.2	0.2	0.2	0.0
B-2	S-1	2.0 - 2.5	0.2	0.2	0.2	0.0
		3.5 - 4.0	0.4	0.4	0.2	0.2
	S-2	5.0 - 5.5	1.2	0.8	0.2	0.6
		7.5 - 8.0	3.0	2.0	0.2	1.8
	S-3	9.5 - 10.0	5.0	3.5	0.2	3.3
		11.5 - 12.0	0.2	0.2	0.2	0.0

TABLE 2
SUMMARY OF DETECTED CONCENTRATIONS OF VOLATILE HALOCARBONS (ug/l)

Colvin-Eggert Plaza
Tonawanda, NY

8010 Volatile Halocarbon Analytes	Groundwater Samples		Groundwater Standard[1]
	B-1	B-2	
Tetrachloroethene	ND<2.0	22 7	5

Notes:

1. NYSDEC. October 22, 1993. Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (1.1.1).
2. ug/l = values expressed in micrograms per liter (equivalent to parts per billion).

Appendix C

BARRON & ASSOCIATES, P.C. &
BUFFALO DRILLING COMPANY, INC.
10440 MAIN STREET
CLARENCE, N.Y. 14031
(716) 759-7821
FAX (716) 759-7823

TABLE NO. 1
PHOTOIONIZATION DETECTOR SUMMARY OF ORGANIC VAPOR SCREENING

CLIENT: The Benchmark Group
PROJECT: Colvin-Eggert Plaza
Tonawanda, New York
JOB NO: 98-1307

TECHNICIAN: B. Walker
DATE: 8/14/98
PAGE: 1 of 1

TOTAL IONIZABLES PRESENT

SAMPLE ID #		DEPTH (ft.)	PID READING (ppm)
Background in air			0.0
B/OW-2	S-1	0.5 - 2	0.0
	S-2	2 - 4	0.0
	S-3	4 - 6	3.5
	S-4	6 - 8	0.0
	S-5	8 - 10	0.0
	S-6	10 - 12	0.0
	S-7	12 - 17	0.0
	S-8	14 - 16	0.0

SAMPLE ID #	DEPTH (ft.)	PID READING (ppm)

* Petroleum-type odors detected.

+ Earthy-type odors detected.

NOTES:

1. Screening of the headspace of sample containers was done using a Photovac Inc (Microtip HL-200) hand held air monitor/photoionization detector (PID) equipped with a 10 6 eV bulb.
2. The PID was calibrated prior to sample screening using isobutylene in air at an equivalent concentration of 54.7 ppm benzene in air.
3. The detected concentration in sample headspace does not represent actual concentration in soil, but rather a relative measure of total ionizables present with an ionization potential of less than 10.6 eV
4. Soil samples were allowed to acclimate to room temperature (22°C) prior to headspace screening Readings were obtained by inserting the sample line into the sample container through a hole in the lid.

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date : 08/21/98
Group Number : 9801-1059

Prepared For :
Mr. Andrew J. Kucserik
Barron & Associates, P.C.
10440 Main Street
Clarence, New York 14031

Site: Colvin & Eggert

Field and Laboratory Information

Client Id	WST Lab #	Matrix	Date Sampled	Date Received	Time
B/OW-2	WS44521	Aqueous	8/7/98	8/7/98	1015
OW/VAC	WS44522	Aqueous	8/7/98	8/7/98	1015
Sample Status Upon Receipt : No irregularities.					

Analytical Services

Analytical Parameters	Number of Samples	Turnaround Time
8260A	2	Standard

Report Released By : Daniel W. Vollmer
Daniel Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 CDHS ELAP #2189

WASTE STREAM TECHNOLOGY

METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms The method numbers shown refer to the following U.S Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised December 1996, U.S. EPA SW-846.

Annual Book of ASTM Standards, Volume II. ASTM, 100 Harbor Drive, West Conshohocken, PA 19428-2959

Standard Methods for the Examination of Water and Wastewater. (18th Edition) American Public Health Association, 1105 18th Street, NW, Washington, D.C 20036

ORGANIC DATA QUALIFIERS

U - Indicates compound was analyzed for but not detected

J - Indicates an estimated value This flag is used either when estimating a concentration for tentatively identified compounds where a 1 1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets indentification criteria, but the result is less than the sample quantitation limit but greater than zero

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS

B - This flag is used when the analyte is found in the associated blank as well as the sample

E - This flag identifies all compounds whose concentrations exceed the calibration range of the GC/MS instrument ot that specific analysis

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor

G - Matrix spike recovery is greater than the expected upper limit of analytical performance

L - Matrix spike recovery is less than the expected lower limit of analytical performance

- Indicates that a surrogate recovery was found to be outside the expected limits of analytical performance.

$ - Indicates that the surrogate compound was diluted out. The sample had to be diluted to obtain analytical results and a recovery could not be calculated

(%) - Indicates that the compound is a surrogate and that the value reported for this compound is in percent recovery The quality control recovery limits (QC Limits) are indicated in the detection limit column

Waste Stream Technology, Inc.

Volatile Organics Analysis

SW-846 8260B

Site: COLVIN & EGGERT
Date Sampled: 08/07/98
Date Received: 08/07/98

Group Number: 9801-1059
Report Units: ug/L
Matrix: Aqueous

Lab ID Number	WS44521	
Client ID	B/OW-2	
Date Extracted	NA	
Date Analyzed	08/19/98	

Compound	Detection Limit/ QC Limits (%)	Result	Q
chloromethane	10	10	U
bromomethane	10	10	U
vinyl chloride	10	10	U
chloroethane	10	10	U
methylene chloride	5	5	U
acetone	100	270	
carbon disulfide	5	5	U
1,1-dichloroethene	5	5	U
1,1-dichloroethane	5	5	U
trans-1,2-dichloroethene	5	5	U
chloroform	5	5	U
2-butanone	100	100	U
1,2-dichloroethane	5	5	U
1,1,1-trichloroethane	5	5	U
carbon tetrachloride	5	5	U
vinyl acetate	50	50	U
bromodichloromethane	5	5	U
1,2-dichloropropane	5	5	U
cis-1,3-dichloropropene	5	5	U
trichloroethene	5	5	U
benzene	5	5	U
dibromochloromethane	5	5	U
trans-1,3-dichloropropene	5	5	U
1,1,2-trichloroethane	5	5	U
2-chloroethylvinyl ether	10	10	U
bromoform	5	5	U
4-methyl-2-pentanone	50	50	U
2-hexanone	50	50	U
tetrachloroethene	5	3	J
1,1,2,2-tetrachloroethane	5	5	U
toluene	5	5	U
chlorobenzene	5	5	U
ethylbenzene	5	5	U
styrene	5	5	U
m,p-xylene	5	5	U
o-xylene	5	5	U
1,2-Dichloroethane-d4 (%)	76-114	99	
Toluene-d8 (%)	88-110	96	
Bromofluorobenzene (%)	86-115	96	

Dilution Factor 1

Waste Stream Technology, Inc.

Volatile Organics Analysis

SW-846 8260B

Site: COLVIN & EGGERT
Date Sampled. 08/07/98
Date Received 08/07/98

Group Number: 9801-1059
Report Units. ug/L
Matrix: Aqueous

Lab ID Number	WS44522	
Client ID	OW/VAC	
Date Extracted	NA	
Date Analyzed	08/19/98	

Compound	Detection Limit/ QC Limits (%)	Result	Q
chloromethane	10	10	U
bromomethane	10	10	U
vinyl chloride	10	10	U
chloroethane	10	10	U
methylene chloride	5	5	U
acetone	100	100	U
carbon disulfide	5	5	U
1,1-dichloroethene	5	5	U
1,1-dichloroethane	5	5	U
trans-1,2-dichloroethene	5	5	U
chloroform	5	5	U
2-butanone	100	100	U
1,2-dichloroethane	5	5	U
1,1,1-trichloroethane	5	5	U
carbon tetrachloride	5	5	U
vinyl acetate	50	50	U
bromodichloromethane	5	5	U
1,2-dichloropropane	5	5	U
cis-1,3-dichloropropene	5	5	U
trichloroethene	5	5	U
benzene	5	5	U
dibromochloromethane	5	5	U
trans-1,3-dichloropropene	5	5	U
1,1,2-trichloroethane	5	5	U
2-chloroethylvinyl ether	10	10	U
bromoform	5	5	U
4-methyl-2-pentanone	50	50	U
2-hexanone	50	50	U
tetrachloroethene	5	2	J
1,1,2,2-tetrachloroethane	5	5	U
toluene	5	5	U
chlorobenzene	5	5	U
ethylbenzene	5	5	U
styrene	5	5	U
m,p-xylene	5	5	U
o-xylene	5	5	U
1,2-Dichloroethane-d4 (%)	76-114	100	
Toluene-d8 (%)	88-110	96	
Bromofluorobenzene (%)	86-115	96	

Dilution Factor 1

WASTE STREAM TECHNOLOGY

302 GROTE STREET
BUFFALO, NY 14207
(716) 876-5290

9801-1059

CHAIN OF CUSTODY RECORD

PROJECT NO: 98-1307

SITE NAME: COLVIN & EGGERT

SAMPLERS (SIGNATURE): Brad Walker

SAMPLE NO.	DATE	TIME	COMP	GRAB	MATRIX	SAMPLE LOCATION	SIZE & NO. OF CONTAINERS	8240	PRESERVATIVES	REMARKS
B/GW-2	8/7	9:27		X	GW	B/GW-2	2-40MLS	2		WS44521
OW/MAC	8/7	9:46		X	GW	OW/MAC	2-40MLS	2		↓ 522

RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)
Brad Walker	8/7/98 10:15				
RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)

SPECIAL INSTRUCTIONS:

TURNAROUND TIME 10 BD

LAB USE: REFRIGERATOR #_____ SHELF #_____ GROUP #_____ DUE DATE_____

Appendix D

Table 1

Soil Samples Selected for Analysis

Area of Site Installed	Soil Boring	Soil Sample Interval Selected for Analysis (feet)	Observations	Temporary Monitoring Well Installed
Northwest side of site near property boundary and topographically downgradient of previously identified groundwater contamination	SB-1	6.0 – 8.0	0.0 ppm VOCs detected with FID, sample above water, no odor	TW-1
North side of former dry cleaner in topographically downgradient direction and near sanitary sewer line	SB-2	6.0 – 8.0	0.0 ppm VOCs detected with FID, sample above water, no odor	No temporary well installed
Inside former dry cleaner tenant space in location of former dry cleaning equipment	SB-3	0.5 – 2.0	25 ppm VOCs detected with FID, no odor, some black coloring, sample below concrete	None (boring did not make water prior to termination depth at 14.0 feet)
		4.0 – 6.0	>1,000 ppm VOCs detected with FID, solvent odor	
		10.0 – 12.0	0.0 ppm detected with FID, no odor	
	SB-4	0.5 – 2.0	0.2 ppm VOCs detected with FID, no odor, some black coloring, sample below concrete	TW-3
		6.0 – 8.0	10 ppm VOCs detected with FID, slight solvent odor	

ppm = parts per million
FID = Flame ionization detector
VOCs = volatile organic compounds

Table 1 (continued)

Soil Samples Selected for Analysis

Area of Site Installed	Soil Boring	Soil Sample Interval Selected for Analysis (feet)	Observations	Temporary Monitoring Well Installed
North side of site on proposed adjacent property and topographically downgradient of previously identified groundwater contamination	SB-5	2.0 – 4.0	42 ppm VOCs detected with FID, no odor	TW-4
	SB-6	4.0 – 6.0	940 ppm VOCs detected with FID, no odor	TW-5
	SB-7	6.0 – 8.0	100 ppm VOCs detected with FID, no odor	None (no water encountered)
	SB-8	6.0 – 8.0	1.6 ppm VOCs detected with FID, no odor	TW-6
Northeast side of property, east of former dry cleaner in topographically downgradient direction	SB-9	10.0 – 12.0	0.0 ppm VOCs detected with FID, no odor	None (boring did not make enough water to sample)

ppm = parts per million
FID = Flame ionization detector
VOCs = volatile organic compounds

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Table 2

VOC Analytical Results of Soil Samples

Sample Identification (Interval in Feet)	Sample Date	VOCs			
		Acetone	Tetrachloroethene	Toluene	Trichloroethene
Concentration (mg/kg)					
SB-1 (6.0-8.0)	9/30/04	<0.100	<0.010	<0.010	<0.010
SB-2 (6.0-8.0)	9/30/04	<0.100	<0.010	<0.010	<0.010
SB-3 (0.5-2.0)	9/30/04	<0.100	**34**	**0.013**	<0.010
SB-3 (4.0-6.0)	9/30/04	<0.100	**140**	<0.010	<0.010
SB-3 (10.0-12.0)	9/30/04	<0.100	**0.083**	<0.010	<0.010
SB-4 (0.5-2.0)	9/30/04	<0.100	**61**	<0.010	**0.017**
SB-4 (6.0-8.0)	9/30/04	<0.100	**0.560**	<0.010	<0.010
SB-5 (2.0-4.0)	9/30/04	**0.150**	**0.210**	<0.010	<0.010
SB-6 (4.0-6.0)	9/30/04	**0.180**	**0.360**	<0.010	<0.010
SB-7 (6.0-8.0)	9/30/04	<0.100	**0.012**	<0.010	<0.010
SB-8 (6.0-8.0)	9/30/04	<0.100	**0.021**	<0.010	<0.010
SB-9 (10.0-12.0)	9/30/04	<0.100	**0.090**	<0.010	<0.010
DUP-1	9/30/04	<0.100	**63**	<0.010	<0.010
NYSDEC Recommended Soil Cleanup Objective*		0.2	1.4	1.5	0.7
NYSDEC Soil Cleanup Objective to Protect Groundwater*		0.11	1.4	1.5	0.7

mg/kg = milligrams per kilogram (parts per million)
Bold values indicate detected concentrations
Values in red exceed the NYSDEC Recommended Soil Cleanup Objectives
Values in blue exceed the NYSDEC Soil Cleanup Objective to Protect Groundwater
Only those compounds detected are summarized in this table
DUP-1 = Duplicate soil sample of SB-4 (0.5-2.0)
NYSDEC = New York State Department of Environmental Conservation

*Technical and Administrative Guidance Memorandum #4046 (Determination of Soil Cleanup Objectives and Cleanup Levels)

Table 3

VOC Analytical Results of Groundwater Samples

Sample Identification	Sample Date	VOCs							
		1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Methyl tert-Butyl Ether	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
		Concentration (mg/l)							
B1	6/15/04	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0541**	**0.00544**	<0.002
B2	6/15/04	**0.00718**	**0.00588**	**0.00714**	**0.00541**	**0.259**	**0.067**	**0.0368**	**0.0428**
B3	6/15/04	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
B4	6/15/04	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
TW-1	9/30/04	<0.001	<0.001	<0.001	NA	<0.001	**0.0013**	<0.001	<0.001
TW-3	9/30/04	<0.050	<0.050	<0.050	NA	<0.050	**4.3**	<0.050	<0.050
TW-4	9/30/04	<0.001	<0.001	<0.001	NA	**0.010**	**0.0019**	**0.0013**	<0.001
TW-5	9/30/04	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001
TW-6	9/30/04	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001
Trip Blank	9/30/04	<0.001	<0.001	<0.001	NA	<0.001	<0.001	<0.001	<0.001
NYSDEC Groundwater Standards and Guidance Values*		0.003	0.003	0.003	0.010	0.005	0.005	0.005	0.002

mg/l = milligrams per liter (parts per million)
NA = Not analyzed
Bold values indicate detected concentrations
Values in red exceed the NYSDEC groundwater quality standards

Only those compounds detected are summarized in this table
NYSDEC = New York State Department of Environmental Conservation
6/15/04 Sampling performed by Stantec Consulting Group, Inc.
9/30/04 Sampling performed by Clayton

* = NYSDEC Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations

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Appendix E

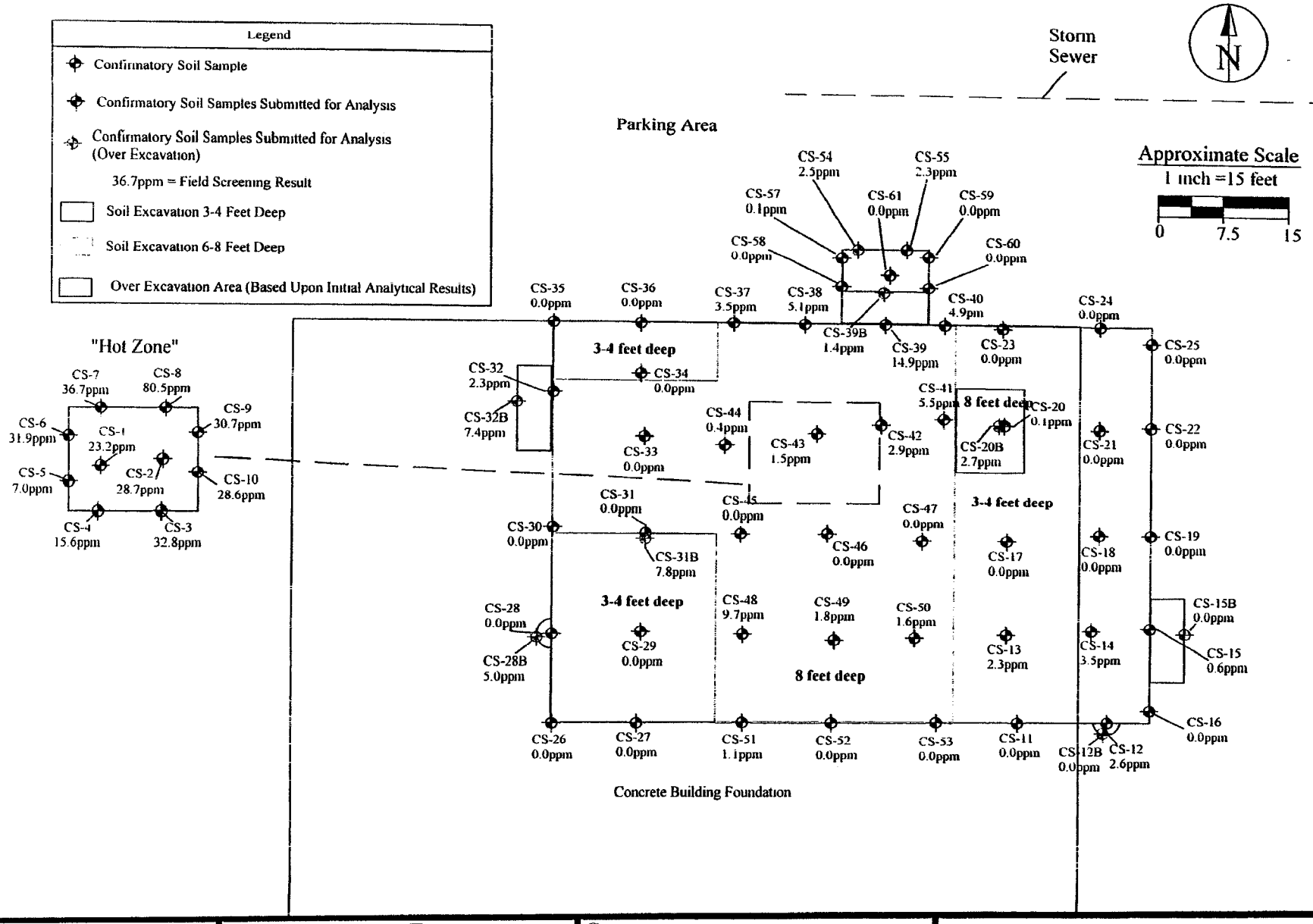


Figure 2
Confirmatory Soil Sample Locations
Following Removal of Chlorinated
Solvent Contaminated Soil

BUREAU VERITAS

SITE

Colvin-Eggert Plaza
NEC of Colvin Boulevard and
Eggert Road
Tonawanda, New York

The Benchmark Group

Project Number: 08006-106190.00

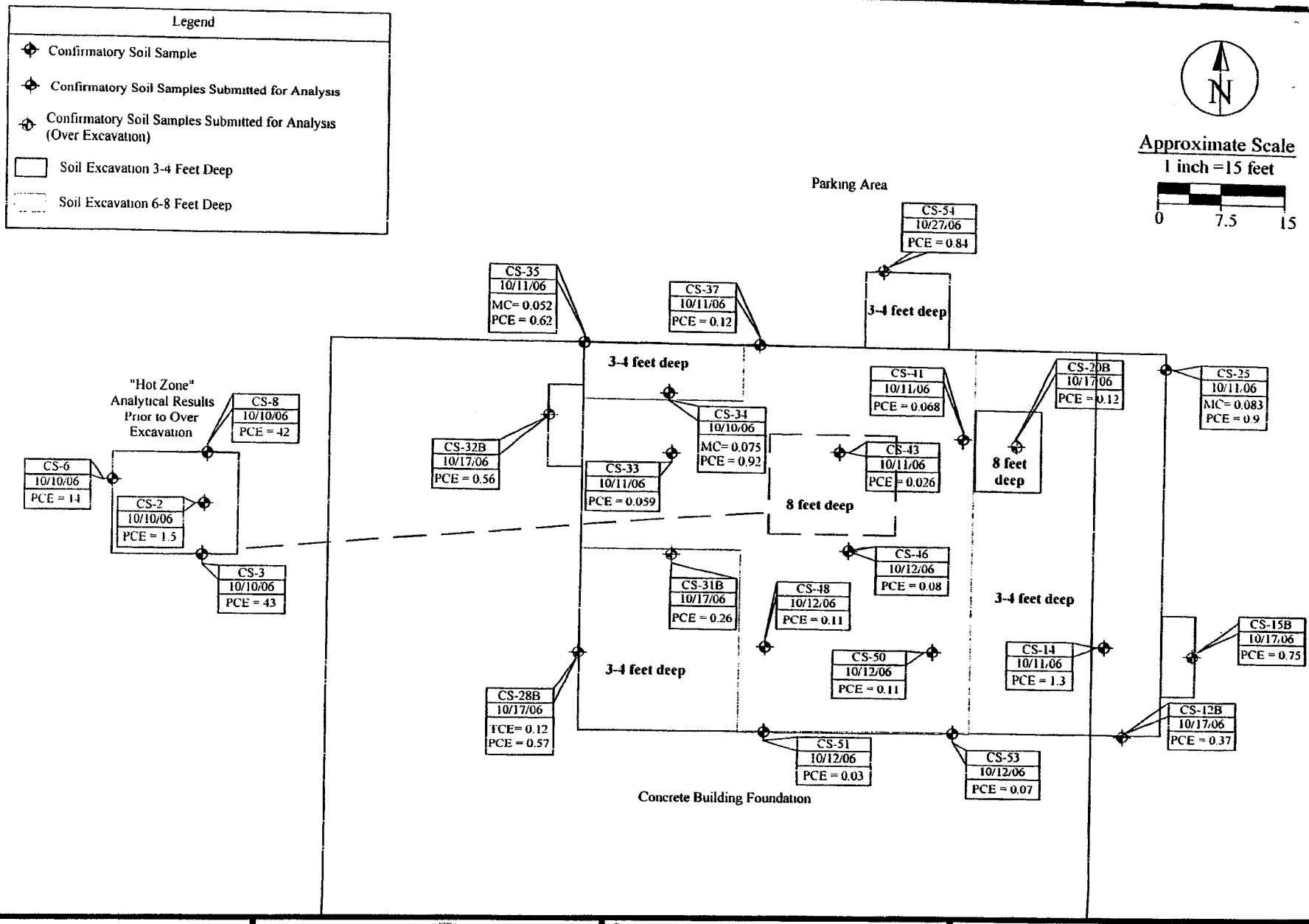


Figure 3
Confirmatory Soil Sample Analytical Results of Entire Excavation Area - Following Over Excavation

BUREAU VERITAS

SITE
Colvin-Eggert Plaza
NEC of Colvin Boulevard and Eggert Road
Tonawanda, New York

The Benchmark Group

Project Number: 08006-106190.00

Appendix F

IT Sun Oil Co. PROJECT NUMBER NEO-011

Colvin Stop-N-Go WELL /BORING # MW7 MAP #

STARTED 12-4-89 DATE COMPLETED 12-5-89 RECORDED BY NOA

NDWATER ENCOUNTERED AT

THER Cloudy, snowing cold ELEVATION 570 msl

L RIG CT 150 DRILL TYPE 61" hollow stem auger

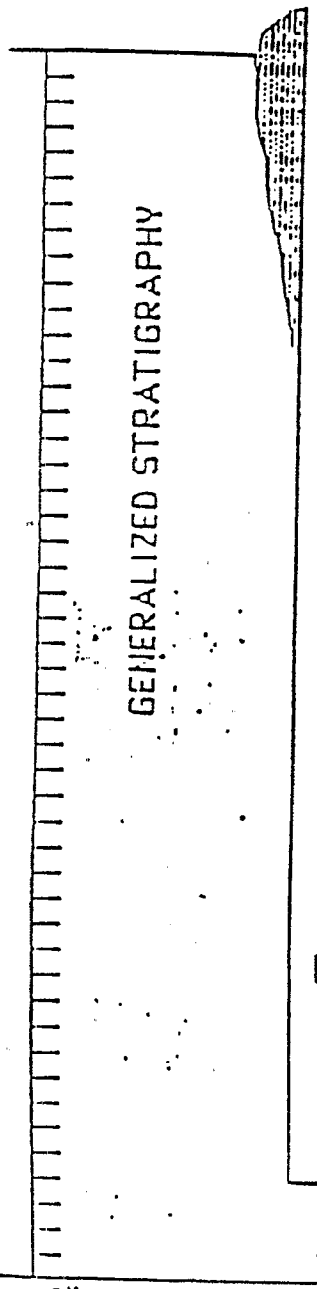
STRATA CHANGE	SOIL DESCRIPTION/COMMENTS	SAMPLE #	Ph	SAMPLE DEPTH FROM / TO / INCHES RECOVERED	BLOWS ON SAMPLER 1-6 / 6-12 / 12-18 / 18-24	H	TIP
	4" blacktop						
	12" GRAVEL						
	Dark brown CLAY and SILT (2.0-2.6 black color), strong petroleum odor (moist)	1		2.0 / 4.0 / 24"	4 / 6 / 9 / 13	15	
	Dark brown and grey CLAY and SILT (moist)	2		6.0 / 8.0 / 23"	20 / 19 / 45 / 41	64	
	Red brown CLAY, trace SILT (wet)	3A		11.0 / 12.3 / 14"	3 / 3 / 34 / 68	37	
	Light brown f SAND, little SILT, trace m SAND, trace CLAY, moderate petroleum odor (moist)	3B		12.3 / 13.0 / 6"			
	Red brown SAND, some SILT, trace CLAY, (saturated)	4		16.0 / 18.0 / 19"	18 / 45 / 47 / 82	92	
	Red brown SAND, some SILT, trace CLAY, with CLAY lenses and c SAND pockets (saturated)	5		18.0 / 20.0 / 18"	10 / 19 / 29 / 42	42	
	Light brown mf SAND, trace SILT (saturated)	6		20.0 / 22.0 / 14"	15 / 33 / 66 / 67	99	
	Light brown mf SAND, trace c SAND (saturated)	7		22.0 / 24.0 / 17"	3 / 14 / 39 / 83	53	
	Light brown cmf SAND (saturated)	8		24.0 / 26.0 / 22"	15 / 40 / 76 / 100@5"	116	

ARKS Bottom boring at 26.0'. Moderate petroleum odor in sample 3B and strong

PROJECT NAME Sun Oil Co. PROJECT NUMBER NE0-011

ITE Stop -N-Go; Colvin Road WELL # MW7

ATE COMPLETED 12-4-89 SUPERVISED BY Randy Sheffer



ELEVATION OF REFERENCE POINT

HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE 4"

DEPTH OF SURFACE SEAL 7.5'

TYPE OF SURFACE SEAL concrete

DEPTH OF SURFACE CASING 8"

I.D. OF RISER PIPE 4"

TYPE OF RISER PIPE: pvc

DIAMETER OF BOREHOLE 10¼"

TYPE OF FILLER: Borehole cuttings

ELEVATION/DEPTH OF TOP OF SEAL 13.3'

TYPE OF SEAL: Bentonite pellets

ELEVATION/DEPTH OF TOP OF GRAVEL PACK 14.1'

TYPE OF GRAVEL PACK: #4 silica sand

ELEVATION/DEPTH OF TOP OF SCREEN 15.1'

DESCRIPTION OF SCREEN .020 slot pvc

I.D. OF SCREEN SECTION 4"

ELEVATION/DEPTH OF BOTTOM OF SCREEN 24.8'

ELEV./DEPTH OF BOTTOM OF GRAVEL PACK 26.0'

ELEV./DEPTH OF BOTTOM OF PLUGGED BLANK SECTION 25.1'

TYPE OF FILLER BELOW PLUGGED SECTION #4 silica sand

ELEV./DEPTH OF BOTTOM OF BOREHOLE 26.0'

9" steel locking manway installed w/4" aluminum well cap, #0536 masterlock

THE
SEAR-BROWN
GROUP
FULL SERVICE
DESIGN PROFESSIONALS

85 METRO PARK
ROCHESTER NEW YORK
14621
716 475 1440
FAX: 716 272 1814

Test Boring No. B-1

Page 1 of 1

Project COLVIN-EGGERT PLAZA

Client MARINE MIDLAND BANK

Elevation _____ Start 5/1/98 Completed 5/1/98 Driller MICHAEL PAUL, ZEBRA

Water Level - During Drilling 9.5' Inspector PETER SMITH, SEAR-BROWN

Water Level - At Completion _____

Seasonal and climatic changes may alter observed water levels.

	C	Blows on Sampler 0"/6"	6"/12"	12"/18"	18"/24"	N	Sample Rec.	No	Depth	Soil and Rock Information Remarks
							36"	1	0'-4'	0-6" Asphalt Gray c-f sand, gravel, dry (FILL) 1.5
5							48"	2	4'-8'	Red brown mottled CLAY, some silt, moist - same (NATIVE)
							36"	3	8'-11'	- same 9.5
10										Brown f. SAND, some silt, wet
							30"	4	11'-13.5'	- same
15										13.5 Boring terminated @ 13.5 ft BGS.
20										Notes: 1. Boring completed with Geoprobe. 2. Boring backfilled with cuttings at completion.

N-No. of Blows to Drive _____ Spoon _____ with _____ lb. wt. _____ Ea. Blow

C-No. of Blows to Drive _____ Casing _____ with _____ lb. wt. _____ Ea. Blow

3. Groundwater sample collected with screen point sampler in 9.5 - 13.5 ft interval.

THE SEAR-BROWN GROUP
FULL SERVICE DESIGN PROFESSIONALS

85 METRO PARK
ROCHESTER NEW YORK
14623
716-475-1440
FAX: 716-272-1814

Test Boring No. B-2

Page 1 of 1

Project COLVIN-EGGERT PLAZA

Client MARINE MIDLAND BANK

Elevation _____ Start 5/1/98 Completed 5/1/98 Driller MICHAEL PAUL, ZEBRA

Water Level - During Drilling 8.0' Inspector PETER SMITH, SEAR-BROWN

Water Level - At Completion _____

Seasonal and climatic changes may alter observed water levels.

	C	Blows on Sampler 0"/6"	6"/12"	12"/18"	18"/24"	Sample N	Rec.	No	Depth	Soil and Rock Information Remarks
0							30"	1	0'-4'	0-6" Asphalt (FILL) Gray c-f sand, some asphalt, slag, gravel; dry
										2.5
										Red brwn CLAY, some silt and f. sand, moist (NATIVE)
							48"	2	4'-8'	- same except gray brwn
5										5.5
										Brown mottled f. SAND, some silt, moist
							48"	3	8'-12'	- same, except wet
10										
										14.0'
15										Boring terminated @ 14.0 ft BGS
										Notes: 1. Boring completed with Geoprobe. 2. Boring backfilled at completion with cuttings. 3. Groundwater sample collected with screen point sampler in 10.0 to 14.0 ft interval.
20										

N=No. of Blows to Drive _____ Spoon _____ with _____ lb. wt. _____ Ea. Blow

C=No of Blows to Drive _____ Casing _____ with _____ lb. wt. _____ Ea. Blow

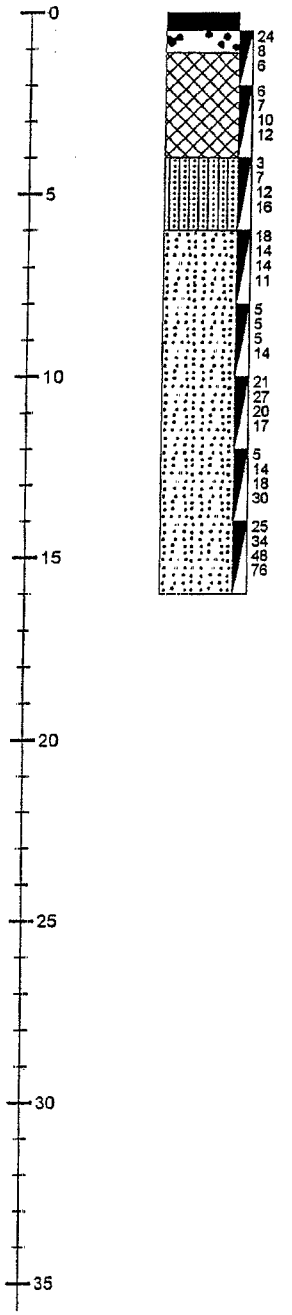
BUFFALO DRILLING COMPANY, INC.
10440 MAIN STREET
CLARENCE, NEW YORK 14031
(716) 759-7821 FAX: (716) 759-7823

TEST BORING LOG

JOB No.: 98-1307 **BORING No.:** B/OW-2

PROJECT: Colvin-Eggert Plaza
Tonawanda, New York

DRILLER:	J. Gardner/T. Vance	**TYPE OF DRILL RIG:**	Diedrich D-50
SAMPLING METHODS:	ASTM D1586	**SIZE AND TYPE OF BIT:**	4-1/4" ID uager
DATE STARTED:	8/4/98	**SURFACE ELEVATION (FT):**	
DATE COMPLETED:	8/4/98	**GROUNDWATER DEPTH (FT):** (measured at completion unless indicated below)	None



Elevation/ Depth	Soil Symbols Sampler Symbols Field Test Data	Sample No : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
					Asphalt (4")
		S-1 : 0 5' - 2.0'	14	67	Subbase Gravel Red-brown CLAY and Silt, tr. Gravel, tr. Sand, stiff (FILL)
		S-2 : 2.0' - 4 0'	17	50	.. grade: tr. Organic matter
		S-3 : 4 0' - 6.0'	19	75	Brown, med. dense, f. SAND and Silt, moist (SM)
		S-4 : 6.0' - 8 0'	28	67	Tan-brown, dense f. SAND, tr. Silt, moist (SP)
		S-5 : 8.0' - 10 0'	10	83	Same as S-4
		S-6 : 10.0' - 12.0'	47	75	.. grade: wet
		S-7 : 12 0' - 14.0'	32	67	. grade: saturated
		S-8 : 14.0' - 16.0'	82	100	.. grade: v. dense
					Depth to Bottom of Hole: 16 0 feet

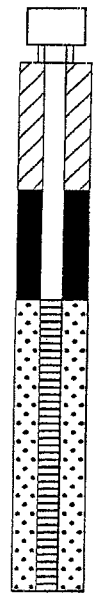
BUFFALO DRILLING COMPANY, INC.
10440 MAIN STREET
CLARENCE, NEW YORK 14031
(716) 759-7821 FAX: (716) 759-7823

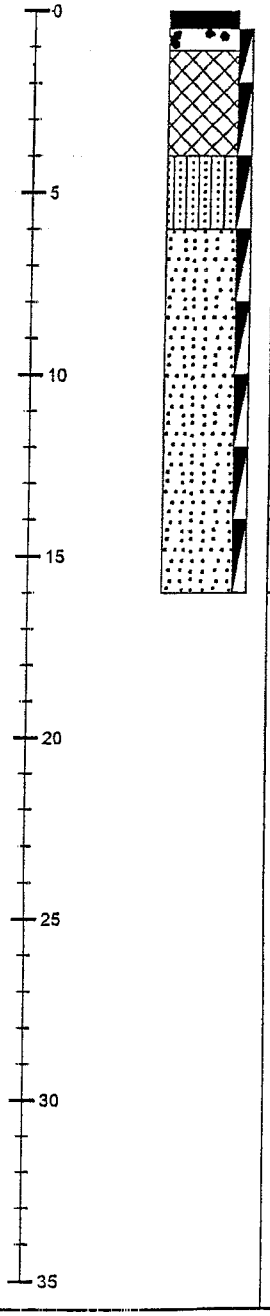
MONITORING WELL SCHEMATIC

JOB No.: 98-1307 BORING No.: B/OW-2

PROJECT: Colvin-Eggert Plaza
Tonawanda, New York

DRILLER:	J. Gardner/T. Vance	**TYPE OF DRILL RIG:**	Diedrich D-50
SAMPLING METHODS:	ASTM D1586	**SIZE AND TYPE OF BIT:**	4-1/4" ID uager
DATE STARTED:	8/4/98	**SURFACE ELEVATION (FT):**	
DATE COMPLETED:	8/4/98	**GROUNDWATER DEPTH (FT):** (measured at completion unless indicated below)	None





Sample No.	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
			Asphalt (4")
S-1	14	67	Subbase Gravel
S-2	17	50	Red-brown CLAY and Silt, tr. Gravel, tr. Sand, stiff (FILL) ..grade: tr. Organic matter
S-3	19	75	Brown, med dense, f. SAND and Silt, moist (SM)
S-4	28	67	Tan-brown, dense f. SAND, tr. Silt, moist (SP)
S-5	10	83	Same as S-4
S-6	47	75	..grade: wet
S-7	32	67	..grade: saturated
S-8	82	100	..grade: v. dense
			Depth to Bottom of Hole: 16.0 feet

BARRON & ASSOCIATES, P.C. &
BUFFALO DRILLING COMPANY, INC.
10440 MAIN STREET
CLARENCE, N.Y. 14031
(716) 759-7821
FAX (716) 759-7823

TABLE NO. 1
PHOTOIONIZATION DETECTOR SUMMARY OF ORGANIC VAPOR SCREENING

CLIENT: The Benchmark Group
PROJECT: Colvin-Eggert Plaza
Tonawanda, New York
JOB NO: 98-1307

TECHNICIAN: B. Walker
DATE: 8/14/98
PAGE: 1 of 1

TOTAL IONIZABLES PRESENT

SAMPLE ID #		DEPTH (ft.)	PID READING (ppm)
Background in air			0.0
B/OW-2	S-1	0.5 - 2	0.0
	S-2	2 - 4	0.0
	S-3	4 - 6	3.5
	S-4	6 - 8	0.0
	S-5	8 - 10	0.0
	S-6	10 - 12	0.0
	S-7	12 - 17	0.0
	S-8	14 - 16	0.0

SAMPLE ID #	DEPTH (ft.)	PID READING (ppm)

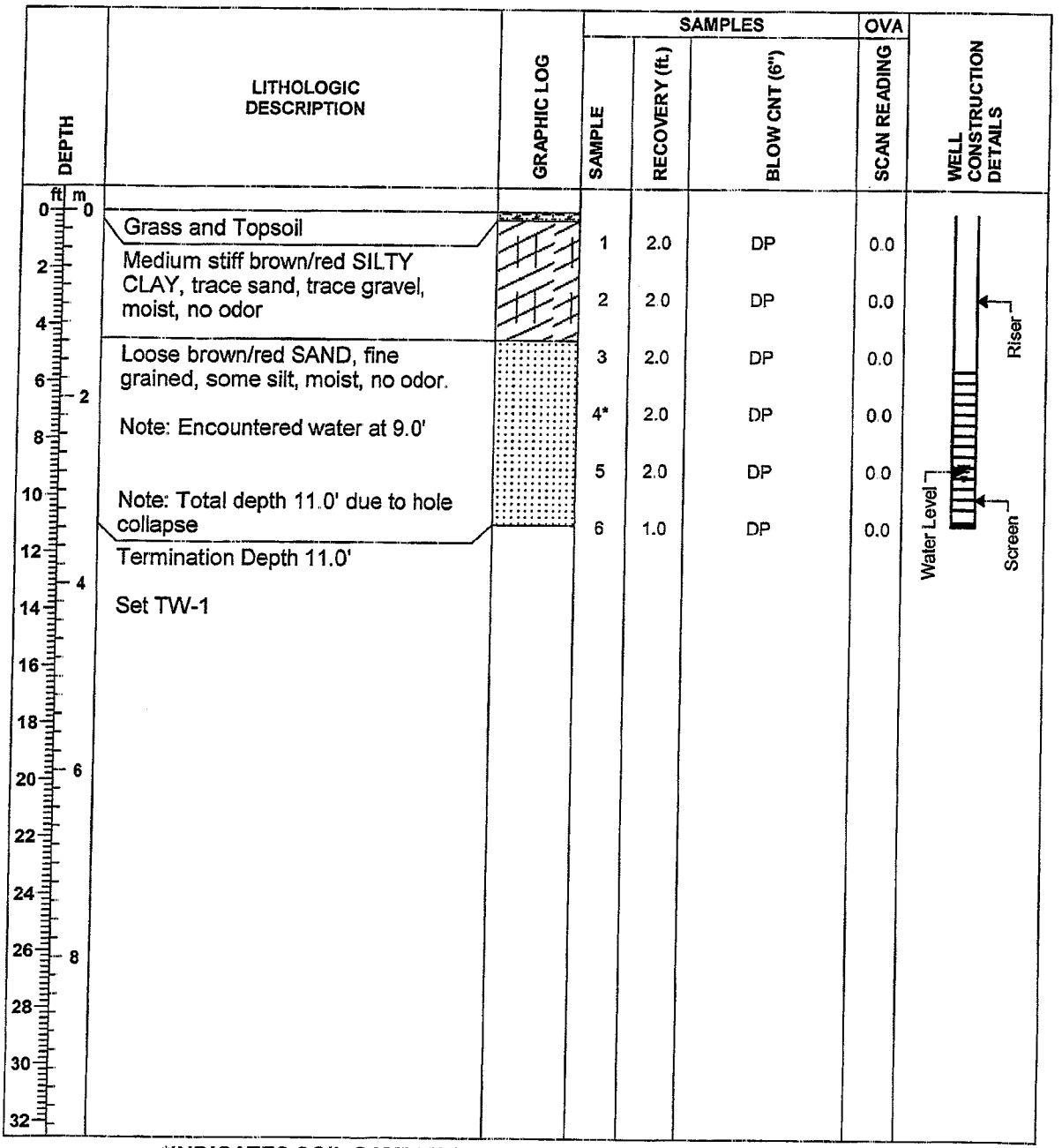
* Petroleum-type odors detected.

+ Earthy-type odors detected.

NOTES:

1. Screening of the headspace of sample containers was done using a Photovac Inc. (Microtip HL-200) hand held air monitor/photoionization detector (PID) equipped with a 10.6 eV bulb.
2. The PID was calibrated prior to sample screening using isobutylene in air at an equivalent concentration of 54.7 ppm benzene in air.
3. The detected concentration in sample headspace does not represent actual concentration in soil, but rather a relative measure of total ionizables present with an ionization potential of less than 10.6 eV
4. Soil samples were allowed to acclimate to room temperature (22°C) prior to headspace screening. Readings were obtained by inserting the sample line into the sample container through a hole in the lid.

BORING NO/WELL NO: SB-1/TW-1	**PROJECT NO:** 35-05043.00		**PROJECT NAME:** Colvin-Eggert Plaza
LOCATION: Tonawanda, New York		**CLIENT:** Benchmark Group	
DRILLING CO: Summit Drilling	**DRILLER:** Lenny		**GEOLOGIST:** TNM
DRILLING METHOD: Geoprobe	**SAMPLING METHOD/DIA:** Macro Liner / 2 0"		**HAMMER WEIGHT:** NA
BORING DIA: 2.0"	**SCREEN DIA/MTL/LGTH:** 1"/PVC/5'		
SCREEN SLOT SIZE: 0 010"	**RISER DIA/MTL/LGTH:** 1"/PVC/10'		
TOP of CASING ELEVATION: NA	**STATIC WATER LEVEL:** NA		**START DATE:** 9/30/04
GROUNDWATER ELEVATION: NA	**OTHER:** Encountered water at 9.0'		**FINISH DATE:** 9/30/04



*INDICATES SOIL SAMPLE SUBMITTED TO LABORATORY FOR ANALYSIS

NA=NOT APPLICABLE NR=NO RECOVERY DP=DIRECT PUSH

BORING NO/WELL NO: SB-2	**PROJECT NO:** 35-05043.00	**PROJECT NAME:** Colvin-Eggert Plaza	
LOCATION: Tonawanda, New York		**CLIENT:** Benchmark Group	
DRILLING CO: Summit Drilling	**DRILLER:** Lenny		**GEOLOGIST:** TNM
DRILLING METHOD: Geoprobe	**SAMPLING METHOD/DIA:** Macro Liner / 2 0"		**HAMMER WEIGHT:** NA
BORING DIA: 2.0"	**SCREEN DIA/MTL/LGTH:** NA		
SCREEN SLOT SIZE: NA	**RISER DIA/MTL/LGTH:** NA		
TOP of CASING ELEVATION: NA	**STATIC WATER LEVEL:** NA		**START DATE:** 9/30/04
GROUNDWATER ELEVATION: NA	**OTHER:** Encountered water at 10.0'		**FINISH DATE:** 9/30/04

DEPTH (ft / m)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	SAMPLES: SAMPLE	SAMPLES: RECOVERY (ft.)	SAMPLES: BLOW CNT (6")	OVA: SCAN READING	WELL CONSTRUCTION DETAILS
0 / 0	Asphalt and Subase		1	0.5	DP	NA	
2	Loose black FILL MATERIAL, dry, no odor		2	1.5	DP	0.0	
4	Medium stiff brown/red SILTY CLAY, trace sand, trace gravel, moist, no odor.		3	2.0	DP	0.0	
6 / 2	Loose brown/red SAND, fine grained, some silt, moist, no odor.		4*	2.0	DP	0.0	
8	Note: Encountered water at 10.0'		5	2.0	DP	0.0	
10	Note: Increase in density with depth		6	2.0	DP	0.0	
12 / 4			7	2.0	DP	0.0	
14	Termination Depth 14.0' Due to refusal. No temporary well installed						
16							
18							
20 / 6							
22							
24							
26 / 8							
28							
30							
32							

*INDICATES SOIL SAMPLE SUBMITTED TO LABORATORY FOR ANALYSIS

NA=NOT APPLICABLE NR=NO RECOVERY DP=DIRECT PUSH

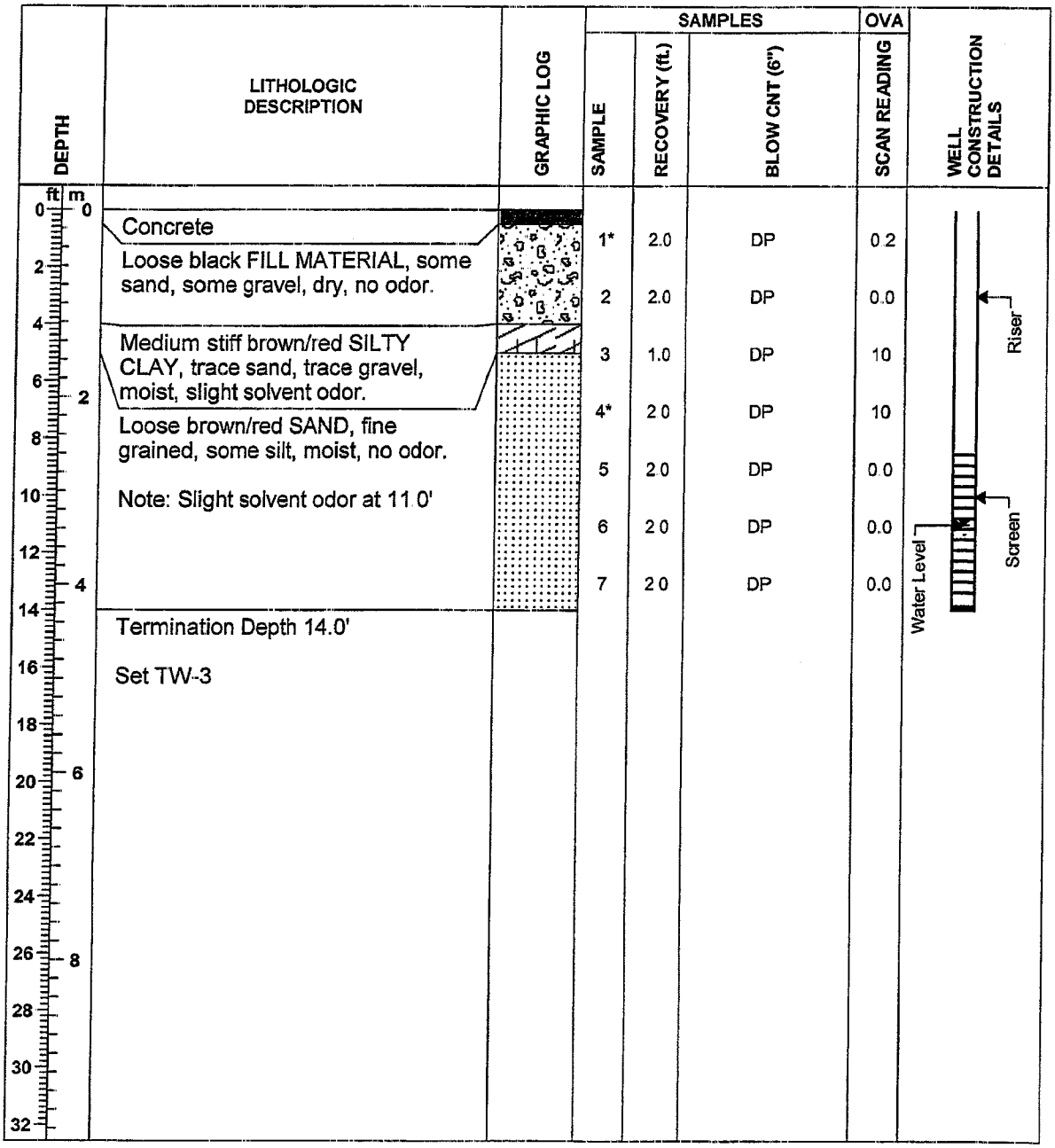
BORING NO/WELL NO: SB-3/TW-2	**PROJECT NO:** 35-05043.00	**PROJECT NAME:** Colvin-Eggert Plaza
LOCATION: Tonawanda, New York		**CLIENT:** Benchmark Group
DRILLING CO: Summit Drilling	**DRILLER:** Lenny	**GEOLOGIST:** TNM
DRILLING METHOD: Geoprobe	**SAMPLING METHOD/DIA:** Macro Liner / 2.0"	**HAMMER WEIGHT:** NA
BORING DIA: 2.0"	**SCREEN DIA/MTL/LGTH:** 1"/PVC/5'	
SCREEN SLOT SIZE: 0.010"	**RISER DIA/MTL/LGTH:** 1"/PVC/10'	
TOP of CASING ELEVATION: NA	**STATIC WATER LEVEL:** NA	**START DATE:** 9/30/04
GROUNDWATER ELEVATION: NA	**OTHER:**	**FINISH DATE:** 9/30/04

DEPTH (ft / m)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	SAMPLES: SAMPLE	SAMPLES: RECOVERY (ft.)	SAMPLES: BLOW CNT (6")	OVA: SCAN READING	WELL CONSTRUCTION DETAILS
0 / 0	Concrete		1*	2.0	DP	25	Riser
2	Medium stiff brown/red SILTY CLAY, trace sand, trace gravel, moist, some black coloring, solvent odor from 4.5-5.0'.		2	1.0	DP	80	
4			3*	2.0	DP	1000+	
6 / 2	Loose brown/red SAND, fine grained, some silt, moist, slight solvent odor		4	2.0	DP	30	
8			5	2.0	DP	0.0	
10			6*	2.0	DP	0.0	Screen
12 / 4			7	2.0	DP	0.0	
14	Termination Depth 14.0' Set TW-2 Note: Did not produce water for sampling.						
16							
18							
20 / 6							
22							
24							
26 / 8							
28							
30							
32							

*INDICATES SOIL SAMPLE SUBMITTED TO LABORATORY FOR ANALYSIS

NA=NOT APPLICABLE NR=NO RECOVERY DP=DIRECT PUSH

BORING NO/WELL NO: SB-4/TW-3	**PROJECT NO:** 35-05043.00	**PROJECT NAME:** Colvin-Eggert Plaza
LOCATION: Tonawanda, New York		**CLIENT:** Benchmark Group
DRILLING CO: Summit Drilling	**DRILLER:** Lenny	**GEOLOGIST:** TNM
DRILLING METHOD: Geoprobe	**SAMPLING METHOD/DIA:** Macro Liner / 2 0"	**HAMMER WEIGHT:** NA
BORING DIA: 2.0"	**SCREEN DIA/MTL/LGTH:** 1"/PVC/5'	
SCREEN SLOT SIZE: 0 010"	**RISER DIA/MTL/LGTH:** 1"/PVC/10'	
TOP of CASING ELEVATION: NA	**STATIC WATER LEVEL:** NA	**START DATE:** 9/30/04
GROUNDWATER ELEVATION: NA	**OTHER:** Encountered water at 11'	**FINISH DATE:** 9/30/04

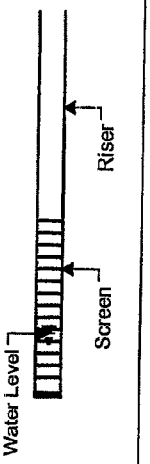


*INDICATES SOIL SAMPLE SUBMITTED TO LABORATORY FOR ANALYSIS

NA=NOT APPLICABLE NR=NO RECOVERY DP=DIRECT PUSH

BORING NO/WELL NO: SB-5/TW-4	**PROJECT NO:** 35-05043.00	**PROJECT NAME:** Colvin-Eggert Plaza
LOCATION: Tonawanda, New York		**CLIENT:** Benchmark Group
DRILLING CO: Summit Drilling	**DRILLER:** Lenny	**GEOLOGIST:** TNM
DRILLING METHOD: Geoprobe	**SAMPLING METHOD/DIA:** Macro Liner / 2 0"	**HAMMER WEIGHT:** NA
BORING DIA: 2.0"	**SCREEN DIA/MTL/LGTH:** 1"/PVC/5'	
SCREEN SLOT SIZE: 0 010"	**RISER DIA/MTL/LGTH:** 1"/PVC/10'	
TOP of CASING ELEVATION: NA	**STATIC WATER LEVEL:** NA	**START DATE:** 9/30/04
GROUNDWATER ELEVATION: NA	**OTHER:** Encountered water at 10.0'	**FINISH DATE:** 9/30/04

DEPTH (ft / m)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	SAMPLES: SAMPLE	SAMPLES: RECOVERY (ft.)	SAMPLES: BLOW CNT (6")	OVA: SCAN READING	WELL CONSTRUCTION DETAILS
0 / 0	Asphalt and Subase						
2	Medium stiff brown/red SILTY CLAY, trace sand, trace gravel, moist, no odor.		1	2.0	DP	14	
4			2*	2.0	DP	42	
6 / 2	Loose brown/red SAND, fine grained, some silt, moist, no odor.		3	2.0	DP	34	
8	Note: Encountered water at 10.0', no odor		4	2.0	DP	8 0	
10			5	2.0	DP	0 0	
12 / 4	Termination Depth at 12.0'		6	2.0	DP	0.0	
14	Set TW-4						
16							
18							
20 / 6							
22							
24							
26 / 8							
28							
30							
32							



*INDICATES SOIL SAMPLE SUBMITTED TO LABORATORY FOR ANALYSIS

NA=NOT APPLICABLE NR=NO RECOVERY DP=DIRECT PUSH

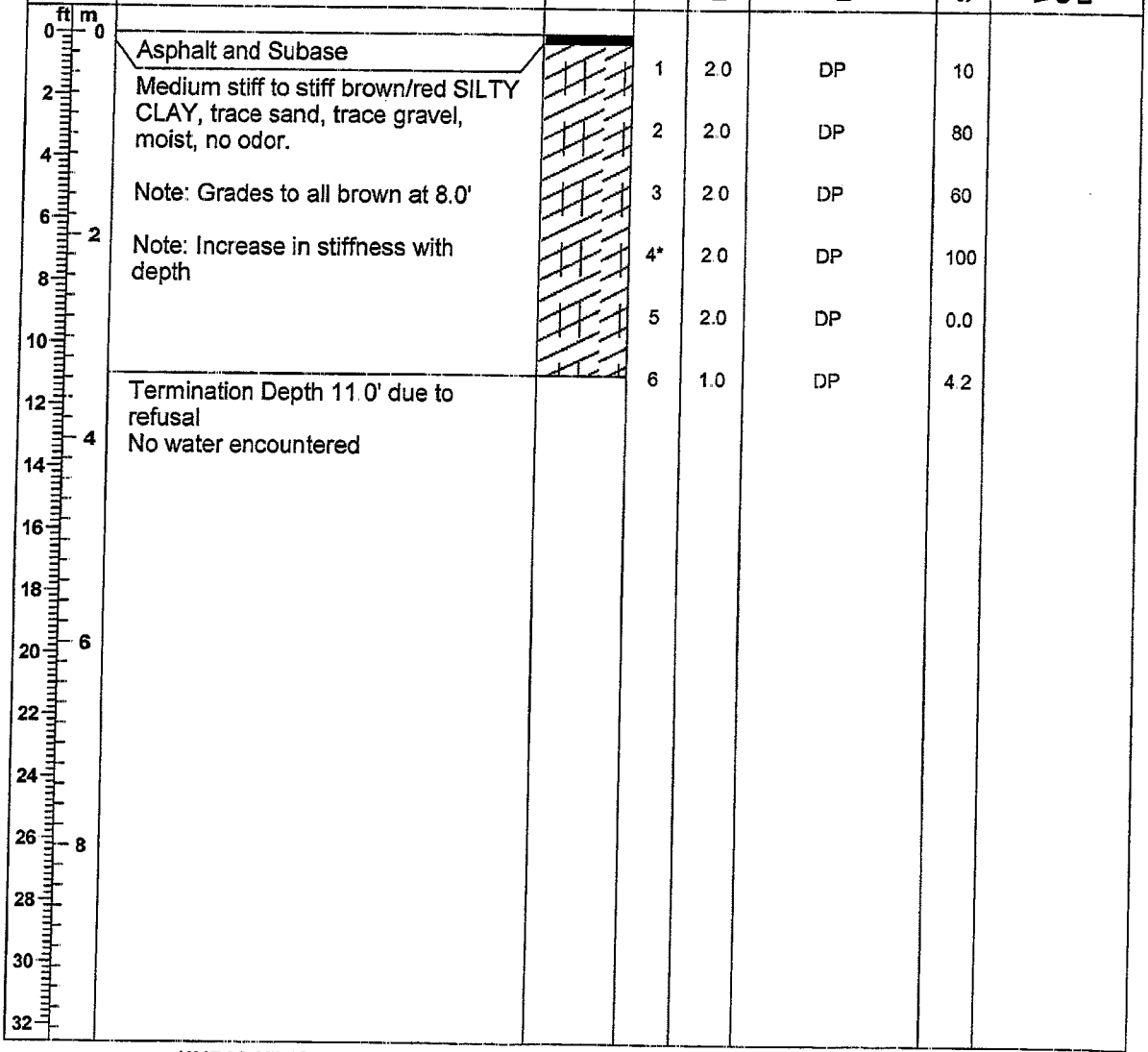
BORING NO/WELL NO: SB-6/TW-5	**PROJECT NO:** 35-05043.00	**PROJECT NAME:** Colvin-Eggert Plaza
LOCATION: Tonawanda, New York		**CLIENT:** Benchmark Group
DRILLING CO: Summit Drilling	**DRILLER:** Lenny	**GEOLOGIST:** TNM
DRILLING METHOD: Geoprobe	**SAMPLING METHOD/DIA:** Macro Liner / 2 0"	**HAMMER WEIGHT:** NA
BORING DIA: 2.0"	**SCREEN DIA/MTL/LGTH:** 1"/PVC/5'	
SCREEN SLOT SIZE: 0 010"	**RISER DIA/MTL/LGTH:** 1"/PVC/10'	
TOP of CASING ELEVATION: NA	**STATIC WATER LEVEL:** NA	**START DATE:** 9/30/04
GROUNDWATER ELEVATION: NA	**OTHER:** Encountered water at 9.0'	**FINISH DATE:** 9/30/04

DEPTH (ft / m)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	SAMPLES: SAMPLE	SAMPLES: RECOVERY (ft.)	SAMPLES: BLOW CNT (6")	OVA: SCAN READING	WELL CONSTRUCTION DETAILS
0 / 0	Asphalt and Subase						
2	Medium stiff brown/red SILTY CLAY, trace sand, trace gravel, moist, no odor.		1	2.0	DP	80	
4			2	2.0	DP	100	Riser
6 / 2	Loose brown/red SAND, fine grained, some silt, moist, no odor.		3*	2.0	DP	940	
8	Note: Encountered water at 9.0'		4	2.0	DP	20	
10			5	2.0	DP	100	Water Level
12 / 4	Termination Depth at 12.0'		6	2.0	DP	0	Screen
14	Set TW-5						
16							
18							
20 / 6							
22							
24							
26 / 8							
28							
30							
32							

*INDICATES SOIL SAMPLE SUBMITTED TO LABORATORY FOR ANALYSIS

NA=NOT APPLICABLE NR=NO RECOVERY DP=DIRECT PUSH

BORING NO/WELL NO: SB-7	**PROJECT NO:** 35-05043.00	**PROJECT NAME:** Colvin-Eggert Plaza	
LOCATION: Tonawanda, New York		**CLIENT:** Benchmark Group	
DRILLING CO: Summit Drilling	**DRILLER:** Lenny		**GEOLOGIST:** TNM
DRILLING METHOD: Geoprobe	**SAMPLING METHOD/DIA:** Macro Liner / 2.0"		**HAMMER WEIGHT:** NA
BORING DIA: 2.0"	**SCREEN DIA/MTL/LGTH:** NA		
SCREEN SLOT SIZE: NA	**RISER DIA/MTL/LGTH:** NA		
TOP of CASING ELEVATION: NA	**STATIC WATER LEVEL:** NA		**START DATE:** 9/30/04
GROUNDWATER ELEVATION: NA	**OTHER:**		**FINISH DATE:** 9/30/04



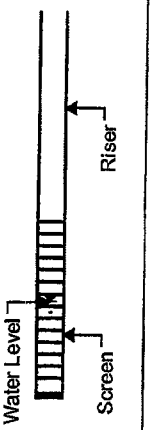
LITHOLOGIC DESCRIPTION	GRAPHIC LOG	SAMPLES: SAMPLE	SAMPLES: RECOVERY (ft.)	SAMPLES: BLOW CNT (6")	OVA: SCAN READING	WELL CONSTRUCTION DETAILS
Asphalt and Subase						
Medium stiff to stiff brown/red SILTY CLAY, trace sand, trace gravel, moist, no odor.		1	2.0	DP	10	
		2	2.0	DP	80	
Note: Grades to all brown at 8.0'		3	2.0	DP	60	
Note: Increase in stiffness with depth		4*	2.0	DP	100	
		5	2.0	DP	0.0	
Termination Depth 11.0' due to refusal No water encountered		6	1.0	DP	4.2	

*INDICATES SOIL SAMPLE SUBMITTED TO LABORATORY FOR ANALYSIS

NA=NOT APPLICABLE NR=NO RECOVERY DP=DIRECT PUSH

BORING NO/WELL NO: SB-8/TW-6	**PROJECT NO:** 35-05043.00	**PROJECT NAME:** Colvin-Eggert Plaza
LOCATION: Tonawanda, New York		**CLIENT:** Benchmark Group
DRILLING CO: Summit Drilling	**DRILLER:** Lenny	**GEOLOGIST:** TNM
DRILLING METHOD: Geoprobe	**SAMPLING METHOD/DIA:** Macro Liner / 2 0"	**HAMMER WEIGHT:** NA
BORING DIA: 2.0"	**SCREEN DIA/MTL/LGTH:** 1"/PVC/5'	
SCREEN SLOT SIZE: 0 010"	**RISER DIA/MTL/LGTH:** 1"/PVC/10'	
TOP of CASING ELEVATION: NA	**STATIC WATER LEVEL:** NA	**START DATE:** 9/30/04
GROUNDWATER ELEVATION: NA	**OTHER:** Encountered water at 9.0'	**FINISH DATE:** 9/30/04

DEPTH (ft / m)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	SAMPLES: SAMPLE	SAMPLES: RECOVERY (ft.)	SAMPLES: BLOW CNT (6")	OVA: SCAN READING	WELL CONSTRUCTION DETAILS
0 / 0	Asphalt and Subase		1	0.5	DP	0.2	
2	Soft to medium stiff brown SILTY CLAY, trace sand, trace gravel, moist, no odor.		2	NR	DP	NA	
4			3	2.0	DP	0 0	
6 / 2			4*	2.0	DP	1.6	
8	Loose brown SAND, fine grained, some silt, moist, no odor.		5	1.0	DP	0 8	
10	Note: Encountered water at 9.0'		6	2.0	DP	0.0	
12 / 4	Termination Depth 12.0'						
14	Set TW-6						
16							
18							
20 / 6							
22							
24							
26 / 8							
28							
30							
32							

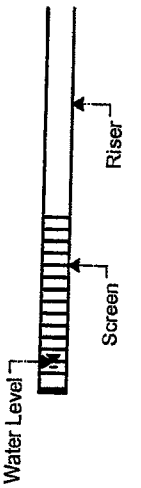


*INDICATES SOIL SAMPLE SUBMITTED TO LABORATORY FOR ANALYSIS

NA=NOT APPLICABLE NR=NO RECOVERY DP=DIRECT PUSH

BORING NO/WELL NO: SB-9/TW-7	**PROJECT NO:** 35-05043.00	**PROJECT NAME:** Colvin-Eggert Plaza
LOCATION: Tonawanda, New York		**CLIENT:** Benchmark Group
DRILLING CO: Summit Drilling	**DRILLER:** Lenny	**GEOLOGIST:** TNM
DRILLING METHOD: Geoprobe	**SAMPLING METHOD/DIA:** Macro Liner / 2 0"	**HAMMER WEIGHT:** NA
BORING DIA: 2.0"	**SCREEN DIA/MTL/LGTH:** 1"/PVC/5'	
SCREEN SLOT SIZE: 0 010"	**RISER DIA/MTL/LGTH:** 1"/PVC/10'	
TOP of CASING ELEVATION: NA	**STATIC WATER LEVEL:** NA	**START DATE:** 9/30/04
GROUNDWATER ELEVATION: NA	**OTHER:** Encountered water at 11.0'	**FINISH DATE:** 9/30/04

DEPTH (ft / m)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	SAMPLES: SAMPLE	SAMPLES: RECOVERY (ft.)	SAMPLES: BLOW CNT (6")	OVA: SCAN READING	WELL CONSTRUCTION DETAILS
0 / 0	Asphalt and Subase						
2	Medium stiff brown SILTY CLAY, trace sand, trace gravel, moist, no odor.		1	2.0	DP	12	
4			2	2 0	DP	0 2	
6 / 2	Loose brown/red SAND, fine grained, some silt, moist, no odor.		3	2.0	DP	1.2	
8	Note: Encountered water at 11 0'		4	2.0	DP	0.0	
10			5	2 0	DP	0.0	
12 / 4			6*	2.0	DP	0.0	
14	Termination Depth 12.0'						
16	Set TW-7						
18	Note: Did not produce enough water for sampling						
20 / 6							
22							
24							
26 / 8							
28							
30							
32							



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NA=NOT APPLICABLE NR=NO RECOVERY DP=DIRECT PUSH