ENVIRONMENTAL SITE ASSESSMENT:
PHASE II SOIL AND GROUNDWATER INVESTIGATION

VIEW RIDGE PLAZA
220 OLYMPIC BOULEVARD
SNOHOMISH COUNTY PARCEL 00606200004102
EVERETT, WASHINGTON

For:
Everett Masonic Corporation
234 Olympic Boulevard
Everett, Washington

By:

Stratum Group
PO Box 2546
Bellingham, WA 98227
(360) 714-9409

February 28, 2014

Stratum Group
PO Box 2546, Bellingham, Washington 98227
Phone: (360) 714-9409

February 28, 2014

Patrick Marlatt
Everett Masonic Corporation
234 Olympic Boulevard
Everett, Washington

Re: Phase II Soil and Groundwater Sampling Investigation
Environmental Site Assessment: Phase II Soil and Groundwater Investigation
View Ridge Plaza
220 Olympic Boulevard
Snohomish County Parcel 00606200004102
Everett, Washington

Dear Mr. Marlatt:

We herein present the results of the soil and groundwater sampling investigation completed at the View Ridge Plaza site in Everett, Washington. This investigation was conducted to evaluate the property for potential contamination associated with the site's current and historic use as a dry cleaner and for potential impacts from an adjacent gasoline station. The sampling took place on October 24, 2013.

To evaluate the potential contamination from the site's use as a dry cleaner, five borings were completed around the southwestern exterior of the View Ridge Plaza building where dry cleaning operations have taken place since approximately 1970. One of the six soil samples collected had a detection of tetrachloroethylene (a solvent used in dry cleaning) above the Model Toxics Control Act (MTCA) Method A cleanup level, but not above the Method B cleanup level. The Method A cleanup level for tetrachoroethylene is set for the protection of drinking water.

Three perched groundwater samples were collected from the borings. All three water samples had detections of vinyl chloride (a break down product of dry cleaning solvent) at concentrations that exceed the state cleanup standard for groundwater. No other volatile organic compounds were detected in the soil or groundwater that exceeded state cleanup standards.

Groundwater samples were collected from three wells, located down gradient of the adjacent gasoline station. No petroleum hydrocarbons were detected in the samples. Based upon our sampling, the subject property has not been impacted by the adjacent 76 Station and no further investigation is warranted to evaluate this potential contamination source.

Based upon these findings, the soil and perched groundwater have been impacted by dry cleaning solvents. Further investigation would be required to determine the impacts to groundwater and

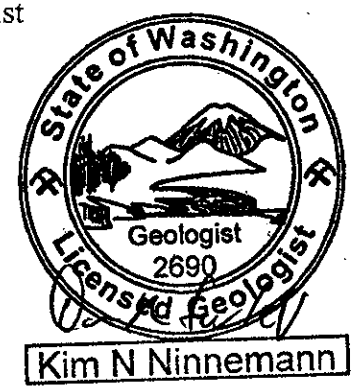
assess the impact beneath the building area and establish appropriate cleanup standards for the site.

Should you have any questions concerning this Environmental Site Assessment, please do not hesitate to contact us at (360) 714-9409.

Sincerely,
Stratum Group

Kim Ninnemann

Kim Ninnemann, B.Sc., L.G.
Licensed Geologist



Dan McShane, M.Sc., L.E.G.
Licensed Engineering Geologist

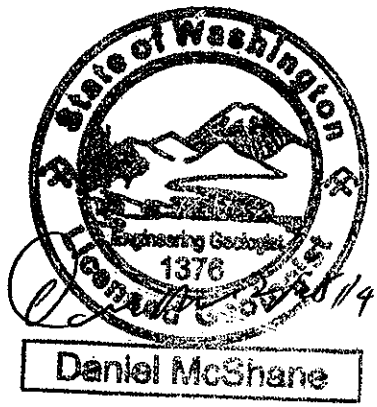


TABLE OF CONTENTS

LIST OF TABLES

APPENDIX I

APPENDIX II

1.0 EXECUTIVE SUMMARY

This Phase II Soil and Groundwater Investigation Report presents the results of soil and groundwater sampling from five push probe borings and three monitoring wells at View Ridge Plaza located at 220 Olympic Boulevard in Everett, Washington.

Our initial evaluation of the subject property identified two potential sources of contamination at the subject property that warranted further investigation:

- The adjacent 76 Station, a known contaminated leaking underground storage tank site located up gradient of the subject property
- Use of the subject property as a dry cleaner since approximately 1970

Groundwater samples were collected from three monitoring wells in the southeast corner of the View Ridge Plaza property, located down gradient of the adjacent 76 gasoline station. No petroleum hydrocarbons were detected in the three samples. Based upon our sampling, the 76 Station has not negatively impacted the subject property and no further investigation is warranted to evaluate this potential contamination source.

Our historic review indicates that the subject property has been commercially developed since 1959. Polk City Directories of Everett indicate that dry cleaning operations began at the site between 1967 and 1970.

To evaluate for potential contamination associated with the long term use of a dry cleaner on the site, five borings were completed around the southwestern portion of the View Ridge Plaza building. A total of six soil samples were collected from four of the boring locations. Dry cleaning solvents were detected in two of the samples collected from Boring 2. One sample, collected from a depth of 9 feet had a detection of tetrachloroethylene at 630 µg/kg, which exceeds the Model Toxic Control Act (MTCA) Method A cleanup standard of 50 µg/kg, but did not exceed the Method B cleanup standard for soil of 480,000 µg/kg. The Method A standard is for the protection of drinking water and hence is significantly more conservative than the Method B standard which does account for the potential drinking water impacts. A sample from a depth of 20 feet from the same boring had a detection of dry cleaning solvent, but below the Method A cleanup standard. Groundwater was encountered in three of the borings at a depth of approximately 9 feet. Vinyl chloride, a breakdown product of tetrachloroethylene, was the only contaminant detected in the water samples. The concentrations of vinyl chloride were detected between 0.28 and 0.98 µg/L, which exceed the Method A state cleanup standard for groundwater of 0.2 µg/L.

Based upon the sampling results from this investigation, the soil and perched groundwater have been impacted by the by dry cleaning associated solvents at levels that exceed cleanup standards. To comply with state law, we recommend that the contamination on the site be reported to Department of Ecology. Reporting of the site to Department of Ecology would place the site on the Confirmed and Suspected Contaminated Sites list.

2.0 SITE DESCRIPTION

2.1 Site Location

The subject property is located at 220 Olympic Boulevard within the city limits of Everett, Washington. The site is comprised of one irregularly shaped tax parcel that is bound by a 76 gasoline station and Olympic Boulevard to the east, West Mukilteo Boulevard to the south, and Elm Street to the west. The site is located within the northeast quarter of Section 36 Township 29 North, Range 4 East of the Willamette Meridian. The location of the subject property is presented in Figure 1 in Appendix I.

2.2 Site and Vicinity General Characteristics

The property is 1.89 acres in size and is developed with a multi-tenant retail building, an espresso stand, and a building utilized as a produce stand. The retail building is currently utilized by the Masonic Corporation meeting rooms and offices, the Head Start commercial kitchen, an insurance office, a beauty shop, and the Olympic Dry Cleaners. The remainder of the site is paved with asphalt and is utilized for parking and/or access.

Land use in the vicinity of the properties is a mix of commercial properties, single family residential and multi-family residential properties.

The site is located on northwest sloping topography that slopes towards Pigeon Creek.

An aerial photograph of the sites and vicinity is provided in Figure 2 of Appendix I.

2.3 Physical Characteristics of Site

2.3.1 Site Geology and Soils

The following descriptions of the surficial deposits in the vicinity of the subject property were interpreted from the *Geologic Map of the Everett 7.5 Minute Quadrangle, Snohomish County, Washington* (Minard, 1985). Minard (1985) maps the property as primarily being covered by glacial till. The glacial till was deposited directly by glaciers during the Vashon stade of the Fraser Glaciation, the last glacial period approximately 14,000 to 16,000 years ago. The deposit consists of non-sorted and non-stratified clay, silt, sand, and gravel with some boulders. The till is generally very compact due to the overriding glaciers. Advanced glacial outwash is mapped along the southern boundary of the site and beneath West Mukilteo Boulevard. The material consists of unconsolidated sand with pebbles and cobbles that were deposited as the glaciers were moving southward into the region.

The *Soil Survey of Snohomish County* (USDA, online version 2013), describes the soils on the property as Alderwood – Urban Land complex with 2 to 8 percent slopes. The Soil Survey indicates that the Alderwood soil forms on till plains within basal till materials. The soil is

somewhat moderately well drained with a very low to moderately low ability to transmit water. The Alderwood soil profile consists of gravelly or very gravelly ashy sandy loam soil for the op 35 inches, which is underlain by gravelly sandy loam to depths of at least 60 inches. Urban land is mapped on the soil survey where the soil identification is obscured by roads, parking lots, and buildings.

Our observations indicate that the site is underlain by approximately 2 to 3 feet of sandy gravel fill material that is underlain by compact silt or clay to depths of 20 feet. Some of the borings had sandy silt or silty sand layers above the compact the clay. Thin layers of sand were present in some of the borings at 6 to 9 feet depths. The subsurface soils are described in the borings logs provided in Appendix II.

2.3.2 Site Hydrology

Groundwater was encountered in three of the five borings near the west-central portion of the property at depths of 6 to 9 feet. No water was encountered in the other two borings at the site. Based upon the lack of water in two of the borings to depths of 20 feet and the limited amount of water produced from the water bearing layers where water was encountered, the water encountered is likely isolated perched groundwater and not reflective of the overall groundwater in the vicinity of the dry cleaning area which we postulate is considerably deeper.

The depth to water in the three monitoring wells in the southeastern portion of the property varied between approximately 4.5 and 10 feet below the ground surface. No surveys were available to calculate the groundwater flow direction during this study.

Shallow groundwater flow typically follows the local topography. Based upon the local topography, shallow groundwater likely flows to the north-northwest through the subject property; however, groundwater flow may be westward along the southern property boundary.

3.0 ENVIRONMENTAL HISTORY

No other environmental reports were available for review regarding the soil or groundwater quality for the subject property. Documents associated with the adjacent 76 gasoline station are likely available through Department of Ecology; however, these files were not reviewed for this report.

3.1 Site History

A historic review was conducted on the subject property and adjacent properties to evaluate their previous uses. Historic aerial photographs and Polk City Directories were used to evaluate the site historic uses of the sites. Copies of the historic aerial photographs of the sites from 1947, 1955, 1965, 1974, 1984, 1995 and 2002 are provided in Appendix II.

The site was partially forested and partially cleared and dirt covered in 1947. The site was cleared of vegetation by 1955 in preparation for development. A commercial building was developed in the northwestern portion of the site in 1959. The remainder of the property was utilized for parking

by 1965. Two additional buildings were constructed on the southern end of the site, as an espresso stand and a produce stand, by 2002.

Polk City Directories of Bellingham were used to identify the business occupants of the subject property. Our historic review indicates that the site has utilized numerous addresses due to its use by numerous businesses. The site's addresses have included 216, 220, 230, 232, and 234 Olympic Boulevard as well as 311, 313, 315, 317, and 319 Mukilteo Boulevard in Everett, Washington. A description of site occupants, based upon our review of Polk City Directories is presented below; however the list of businesses is not complete.

TABLE 1
Historic Site Occupants

Year	Business Occupants	Address	Business Type
1957	No listings		
1960	No listings		
1961	View Ridge Thriftway	220 Olympic Blvd	Grocery store
1966	Haggens	220 Olympic Blvd	Grocery store
	View Ridge Thriftway	220 Olympic Blvd	Grocery store
1970	View Ridge Styling Salon	311 Mukilteo Blvd	Hair salon
	View Ridge Barber	313 Mukilteo Blvd	Barber shop
	Lane's Real Estate Co.	315 Mukilteo Blvd	Office
	Jiffy Cleaners	317 Mukilteo Blvd	Dry cleaners
1972	View Ridge Plaza	216 Olympic Blvd	Retail mall
	Haggen Food Center	220 Olympic Blvd	Grocery store
1975	Irma Cleaners	217 Mukilteo Blvd	Dry cleaners
1979	View Ridge Plaza Shopping Center	216 Olympic Blvd.	Retail mall
	View Ridge Plaza Gift Shop	216 Olympic Blvd.	Retail sales
	Tuperware Home Parties	220 Olympic Blvd	Meeting room/office
	Campfire Girls Council	230 Olympic Blvd	Meeting room/office
1984/85	View Ridge Plaza Shopping Center	216 Olympic Blvd.	Retail mall
	Cascade Home Parties	220 Olympic Blvd	Meeting room/office
	Campfire Girls Council	230 Olympic Blvd	Meeting room/office
	Vacant	232 Olympic Blvd	
	Snohomish Co. Family Counseling	234 Olympic Blvd	Office
	Irma Cleaners	317 Mukilteo Blvd	Dry cleaner

TABLE 1 Continued
Historic Site Occupants

Year	Business Occupants	Address	Business Type
1988	View Ridge Plaza Shopping Center	216 Olympic Blvd.	Retail mall
	Carousel Party Sales	220 Olympic Blvd	Meeting room/office
	Campfire Girls Council	230 Olympic Blvd	Meeting room/office
	View Ridge Video	232 Olympic Blvd	Video sales/rental
	Central Christian Church	234 Olympic Blvd	Office
	Irma Cleaners	317 Mukilteo Blvd	Dry cleaner
1998	Crossroads Pharmacy	216 Olympic Blvd.	Drug store
	Barcott Video Adventures	218 Olympic Blvd	Video rental/sales
	Tupperware Sales	220 Olympic Blvd	Retail sales/meeting room
	A& R Distributing – Household Appliance Center	230 Olympic Blvd	Appliance warehouse
	Beauty shop	311 Mukilteo Blvd	Beauty salon
	Cutters on Boulevard	313 Mukilteo Blvd	Barber shop
2004	Puget Sound	218 Olympic Blvd	unclear
	Masonic Center	234 Olympic Blvd	Meeting rooms
	Cutters on Boulevard	313 Mukilteo Blvd	Barber shop
	Irma Cleaners	317 Mukilteo Blvd	Dry cleaner
	Espresso Milano	319 Mukilteo Blvd	Espresso stand

Based on our historic review, a dry cleaner has operated at 317 Mukilteo Boulevard in the southwestern corner of the retail building since at least 1970. The site has been known as Jiffy Cleaners, Irma Cleaners and Olympic Dry Cleaners. No other businesses were identified that are suspected to be a potential contamination source.

4.0 SAMPLING INVESTIGATION METHODOLOGY

Soil and groundwater samples were collected from the site on October 24, 2013. ESN Northwest of Olympia, Washington used a truck mounted direct-push sampler to conduct the borings. Applied Professional Services conducted a private locate to identify underground water and electric line locations on the sites prior to drilling activity. Soil and groundwater samples were collected from the boring locations and three groundwater monitoring wells.

4.1 Soil and Groundwater Cleanup Standards

All soil and groundwater samples collected from the subject properties were compared to state cleanup standards to determine the risk posed to human health and/or the environment. The Washington Model Toxics Control Act Method A soil cleanup levels for unrestricted land use (WAC 173-340) provides a table of cleanup levels for a select group of common contaminants.

Method A standards for tetrachloroethylene and tricholoroethene (solvents that may be associated with dry cleaning) are established to be protective of drinking water. The Method B cleanup level for these same solvents only considers soil exposure risk and is not as restrictive.

Soil and groundwater samples from the former dry cleaner area at 220 Olympic Boulevard were analyzed for halogenated volatile organics as suite of 44 volatile organic compounds.

The cleanup standards for soil and groundwater, along with the method used by the laboratory to evaluate each contaminant, are presented in Table 2, below. Please note that only the volatile organic compounds that were detected in the samples are listed in the table below.

TABLE 2.
Soil and Groundwater Cleanup Standards

Analytes		Laboratory Analysis Method	Soil Cleanup Method A (mg/kg)	Soil Cleanup Method B (mg/kg)	Groundwater Cleanup Standards (µg/L)
Petroleum	Gasoline	NWTPH-GX	Not tested		1,000
	Benzene	EPA 8021	Not tested		5
	Toluene		Not tested		1,000
	Ethylbenzene		Not tested		700
	Xylenes		Not tested		1,000
	MTBE		Not tested		20
Volatile Organics	Cis-1,2-Dichloroethene	EPA 8260	--	--	--
	Tricholoroethene		0.3	12	5
	Tetrachloroethylene		0.05	480	5/21
	Vinyl Chloride		--	0.67	0.2

The cleanup standard for vinyl chloride in soil is based upon a calculation using EPA's reassessment of vinyl chloride toxicity.

4.1.1 Soil Sampling Methodology

Soil samples were collected via direct-push drilling techniques. The soil was continuously recovered in five-foot long, single-use plastic tubes. The soil within the sampling tubes was field screened for odor, hydrocarbon sheen, and soil discoloration at each sample location. The soil samples collected for analyses were collected using a stainless steel spoon that was cleaned with Alconox and triple rinsed between each use.

Samples collected for analyses where field screening indicated the potential presence of contamination. If no contamination was indicated through field screening, the sample was collected where contamination would be most likely, i.e. near interface of soil changes, near changes of soil wetness, or in shallow soils where dry cleaning solvent may have been dumped or spilled.

Soil samples were placed into labeled, laboratory supplied containers. One four-ounce glass jar with a Teflon lined lid was filled from each sample location. In addition, 10 grams of soil were placed into three 40 mL VOA containers. One VOA contained a pre-weighed amount of

methanol preservative and two containers had stir bars. The soil was measured using a single-use syringe tube sampler. One to two soil samples were collected from four of the borings. Samples were placed into an ice-chilled cooler immediately after sampling. The samples were delivered to ALS Laboratory Group in Everett, Washington by Stratum Group on October 24, 2013.

Soils recovered from the borings were placed in 16-gallon metal drums for temporary storage until sample results return and proper disposal can be determined.

4.1.2 Groundwater Sampling Methods

Following collection of the soil samples, a slotted stainless steel or PVC pipe was temporarily set in the bore hole to allow groundwater to be collected. The screen on the pipe was four feet long. Disposal plastic tubing was placed in the boring and water was purged until clear, if possible, using a low flow peristaltic water pump.

Water samples were placed into labeled, laboratory supplied containers. Water was collected into two 40 mL VOAs with hydrochloric acid preservative.

Samples were immediately placed into an ice-chilled cooler for storage. The samples were delivered to ALS Laboratory Group in Everett, Washington by Stratum Group on October 24, 2013.

Purged groundwater and equipment wash were placed in 16-gallon metal drums for temporary storage until sample results return and proper disposal can be determined.

4.2 Laboratory Quality Assurance

ALS Laboratory of Everett, Washington was responsible for completion of the analytical assessment of the soil and groundwater samples. The laboratory is accredited with the Department of Ecology (accreditation number C601). The laboratory reporting limits were all below the cleanup standards, which indicates that the non-detect results all below the cleanup standards.

The following quality assurance procedures were completed by the laboratory: surrogate recovery, method blank, and laboratory blank and blank spike duplicates. The recovery values for all the quality assurance procedures were within the appropriate recovery ranges for all the samples. The soil and groundwater samples were within the appropriate recovery ranges and no abnormalities or non-conformances were observed during the analyses, except for surrogate recoveries from Sample B3-5 and B3-13, which were outside of the control limits due to matrix effects.

The laboratory quality control meets our evaluation and does not affect our ability to interpret the sample results for this report.

5.0 Groundwater Investigation around Adjacent 76 Station

5.1 Groundwater Sample Locations

Groundwater samples were collected from three permanent monitoring wells, located in the southeastern portion of the subject property. The monitoring wells were installed on the subject property as part of the site characterization completed for the 76 Station, to identify potential off-site contaminant migration. No previous environmental reports were available for review at the time of our assessment so groundwater samples were collected from the monitoring wells. The wells were named MW-A, MW-B, and MW-C for this report. The general location description and latitude-longitude (Google Earth) of each monitoring well is described below:

MW-A: Along north-central property boundary of 76 Station, north of 76 Station underground tanks
(47°57'26.10"N, 122°13'55.10"W)

MW-B: West of northwest corner of 76 Station, west of underground tanks
(47°57'25.96"N, 122°13'56.74"W)

MW-C: West of southwestern portion of 76 Station, west of fuel pump islands
(47°57'25.27"N, 122°13'56.76"W)

The locations of the monitoring wells are presented in Figure 3.

5.1.1 Groundwater Sample Descriptions

One groundwater sample was collected from each of the monitoring wells.

Approximately two gallons of water was purged from each well prior to sampling. The purge water was clear. Dedicated tubing was located in each well, in association with sampling by consultants for the 76 Station; however, disposable tubing was used for our testing. The depth to groundwater was 4.53 feet in MW-A, 8.65 feet in MW-B, and 10.35 feet in MW-C. The purge water from each sample location was field tested for odors and hydrocarbon sheens. No hydrocarbon sheen or odors were detected on any of the collected purge water.

5.1.2 Groundwater Sample Results

Samples were analyzed by ALS Laboratory Group in Everett, Washington for gasoline, benzene, toluene, ethylbenzene, xylenes (BTEX), and MTBE. A complete analytical laboratory report and chain-of-custody are presented in Appendix II.

The groundwater sample results are presented in Figure 4. A summary of the sample results are presented in Table 3.

TABLE 3

Groundwater Sample Results
View Ridge Plaza - Near Adjacent Gasoline Station

Sample ID	Concentration of Contaminants in µg/L					
	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MW-A	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<3.0	ND<3.0
MW-B	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<3.0	ND<3.0
MW-C	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<3.0	ND<3.0
MTCA Method A Groundwater Cleanup Standard (µg/L)	***800/1,000***	***5***	***1,000***	***700***	***1,000***	***20***

*gasoline cleanup standard is 800 µg/L if benzene is present and 1,000 µg/L if benzene is not present; ND = analyte not detected at levels indicated

5.2 Groundwater Sample Results Discussion

All groundwater samples from the north and west sides of the 76 Station were non-detect for all analytes. Based upon the lack of petroleum identified in the groundwater samples, in down gradient locations from the 76 Station underground storage tanks and fuel pump islands, it is our opinion that the 76 Station has not negatively impacted the subject property.

6.0 Soil and Groundwater Investigation in Dry Cleaner Area

6.1 Soil and Groundwater Sample Locations

Five borings were located around the southwestern corner of the retail mall building on the subject property to evaluate the potential impacts from the long term use of the southwestern unit of the building as a dry cleaner. The locations of the borings were impacted by the presence of significant underground utilities along the west side of the building including a sewer main, former water line, and drain lines as well as overhead electric lines. The locations of the borings are presented in Figure 3.

Borings were completed in the following locations:

Boring 1: 22' west of the southwest corner of the retail mall building (47°57'26.75"N, 122°13'58.76"W)

Boring 2: 10' west of the retail mall building and southwest of the back door of the dry cleaning facility (47°57'27.01"N, 122°13'58.59"W)

Boring 3: 73' north and 20' west of the SW corner of retail mall building

(47°57'27.33"N, 122°13'58.74"W)

Boring 4: 20' south of the SW corner of the retail mall building
(47°57'26.40"N, 122°13'58.42"W)

Boring 5: 61' north and 25' west of the SW corner of the retail mall building
(47°57'27.20"N, 122°13'58.81"W)

6.1.1 Soil Sample Descriptions

Soil samples were collected from four of the five direct push borings: Borings 1 through 4. Boring 5 was completed in an attempt to collect one additional groundwater sample. All boring were completed on October 24, 2013. The locations of the borings are indicated on Figure 3. Boring logs for each boring location are provided in Appendix II. A total of six soil samples were collected and submitted to the laboratory.

Boring 1 was located to the west of the southwestern corner of the retail mall building, in a potentially down gradient position from the dry cleaning activities. Boring 1 was completed to a depth of 15 feet. A sample was collected from 4 feet depth (Sample B1-4) and 7 feet depth (Sample B1-7). Sample B1-4 was chosen for analysis due to an unknown organic-type odor in the soil. The soil consisted of grey-brown damp silt with minor sand and some wood. Sample B1-7 was collected at the top of a dense clay layer and consisted of grey, moist to wet well sorted sand. No odor was detected in soils around Sample B1-7. Groundwater was encountered at approximately 7 feet.

Boring 2 was located southwest of the back door to the dry cleaning operation, west of the building. Boring 2 was completed to a depth of 20 feet. A sample was collected from 9 feet depth (Sample B2-9) and 20 feet depth (Sample B2-20). Sample B2-9 consisted of tan wet fine sand with silt. The sample was collected within a 4" layer of sand that was located between dense compact silt and clay. Sample B2-20 was collected within very dense, dry grey clay. Water was present within 4" of sand at approximately 9' depth, but we were unable to draw enough water to sample, so boring was continued to depth of 20'. No obvious indicators of contamination were observed during field testing and observations. Attempts were made to collect water, but wet soils were too muddy to be purged or sampled.

Boring 3 was located along the northwest of the dry cleaning operations. Boring 3 was completed to 20 feet depth, where drill rig hit refusal. Soil samples were collected from 5' (Sample B3-5) and 13' depth (Sample B3-13). Sample B3-5 consisted of dark grey moist silty sand with a slight organic odor. Sample B3-13 consisted of damp tan-grey silt located just beneath a 4" layer of wet grey sand. No obvious indicators of contamination were observed during field tests. No groundwater was encountered.

Boring 4 was located south of the southwest corner of the retail mall building. A soil sample was collected for analyses at a depth of 7' (Sample B4-7). Sample B4-7 was collected within moist to wet soft grey clay with minor sand. No obvious indicators of contamination were observed

during field tests. Groundwater was encountered at 9 feet depth. Boring was completed to a depth of 10 feet.

Boring 5 was completed west of the back door to the dry cleaning facility. The purpose of the boring was to collect a water sample. No soil samples were collected. Groundwater was encountered at 9 feet depth. Boring was completed to a depth of 10 feet.

6.1.2 Soil Sample Results

A total of six soil samples were analyzed by ALS Laboratory Group in Everett, Washington for halogenated volatile organics, which includes dry cleaning solvents and their breakdown products. A complete analytical laboratory report and chain-of-custody are presented in Appendix II.

The soil sample results are presented in Figure 5. A summary of the sample results are presented in Table 4.

TABLE 4
Soil Sample Results
View Ridge Plaza – Dry Cleaner Area

Sample Number	Sample Location and Depth	Volatile Organic Compounds Detected* (mg /kg)		
		Cis-1,2-Dichloroethene	Tetrachloroethylene	Trichloroethene
B1-4	Boring 1 (4-feet)	ND(<0.010)	ND(<0.010)	ND(<0.010)
B2-9	Boring 2 (9-feet)	**0.014**	**0.630**	**0.014**
B2-20	Boring 2 (20-feet)	ND(<0.010)	**0.022**	ND(<0.010)
B3-5	Boring 3 (5-feet)	ND(<0.010)	ND(<0.010)	ND(<0.010)
B3-15	Boring 3 (15-feet)	ND(<0.010)	ND(<0.010)	ND(<0.010)
B4-7	Boring 4 (7-feet)	ND(<0.010)	ND(<0.010)	ND(<0.010)
MTCA Method A Cleanup Standards		**Not available**	**0.05**	**0.03**
MTCA Method B Cleanup Standards		**Not available**	**480**	**12**

*a suite of ~44 compounds were analyzed, but only contaminants listed above were detected; ND= contaminant not detected at level indicated; shaded box indicates sample result exceeds the state cleanup standard for unrestricted land use

6.1.3 Groundwater Sample Descriptions

One groundwater sample was collected from borings where water was encountered. Three groundwater samples were collected from the borings. Samples were collected from Boring 1, 4, and 5.

Water was encountered in Boring 1 between 6 and 7 feet. The boring was screened between 4 and 9 feet depth. Purge water was turbid with greenish grey fines. Sample B1-W had a slight grey color due to fine sand in the sample.

Water was encountered in Boring 4 at a depth of 9 feet. The water bearing layer had a very low recharge and so very little water was purged prior to sampling. Sample B4-W contained fine sand due to turbidity.

Water was encountered in Boring 5 at a depth of 9 feet. The water bearing layer was very turbid initially, but cleared up quickly. The water bearing layer ran dry during if purged too quickly. Sample B5-W had a low turbidity.

No obvious indicators of contamination were identified during the groundwater sampling, based upon field indicators.

Wet sandy layers were identified in Borings 2 and 3, but not enough water was present in the layers to purge or sample.

6.1.4 Groundwater Sample Results

Three groundwater samples were analyzed by ALS Laboratory Group in Everett, Washington for halogenated volatile organic compounds. A complete analytical laboratory report and chain-of-custody are presented in Appendix II.

The groundwater sample results are presented in Figure 6. A summary of the sample results are presented in Table 5. Only the contaminants identified in the samples are presented in Table 5.

TABLE 5
Water Sample Results
View Ridge Plaza – Dry Cleaner Area

Sample Number	Volatile Organic Compounds Detected* (µg/L)
	Vinyl Chloride
B1-W	0.67
B4-W	0.98
B5-W	0.28
MTCA Method A Cleanup Standards	*0.2*

*a suite of ~44 compounds were analyzed, but only contaminants listed above were detected; shaded box indicates sample result exceeds the state cleanup standard for unrestricted land use

6.2 Dry Cleaning Area Sample Results Discussion

All soil samples analyzed from the dry cleaning area were non-detect or had detections below the state cleanup standards for unrestricted land use, except for Sample B2-9. Boring B-2 was located southwest of the back door of the dry cleaner and west of the dry cleaning equipment in the building. Sample B2-9 was collected at a depth of 9 feet. The sample had a detection of tetrachloroethylene at 0.663 mg/kg, which exceeds the Method A cleanup standard of 0.05 mg/kg, but does not exceed the Method B cleanup standard of 480 mg/kg. A sample collected from 20 feet depth in the same boring had a detection of tetrachloroethylene at 0.022 mg/kg, which is below Method A cleanup standard. Based upon the non-detect samples collected from Borings 1, 3 and 4, the extent of soil contamination around the exterior of the building seems to be limited.

Water samples from Borings 1, 4 and 5 had detections of vinyl chloride that exceed the groundwater cleanup standard. The concentrations of vinyl chloride ranged from 0.28 to 0.96 µg/L, which exceeds the cleanup standard of 0.2 µg/L.

7.0 CONCLUSIONS

Soil and groundwater sampling was completed at the View Ridge Plaza to evaluate for potential contamination from a adjacent contaminated gasoline station and the site's use as a dry cleaner since approximately 1970.

No petroleum contamination was identified in the groundwater of the site in three monitoring wells located down gradient of the adjacent 76 gasoline station. Based upon these results, it is our opinion that the 76 Station has not negatively impacted the subject property.

To evaluate the potential impacts from the dry cleaning operations, five borings were completed

around the southwest corner of the View Ridge Plaza retail building. A total of six soil samples and three water samples were and were analyzed for halogenated volatile organic compounds, which include both dry cleaning solvents and their breakdown products. One soil sample had a detection for tetrachloroethylene, a dry cleaning solvent, at a concentration that exceeds the Method A cleanup standard but meets the Method B cleanup standard. The Method A standard has been established for the protection of drinking water. All three water samples exceeded the state cleanup standards for vinyl chloride, a break down product of dry cleaning solvent.

Based upon our sampling, a limited area of soil and groundwater has been impacted by dry cleaning solvent such that cleanup standards for unrestricted land use are exceeded and therefore the site is considered contaminated. The concentrations of contaminants indicate an old limited release of dry cleaning solvents at the site; however, no specific source of contamination was identified.

8.0 RECOMMENDATIONS

The MTCA cleanup regulation (WAC 173-340-300) requires that any owner or operator that has knowledge that a hazardous substance has been released to the environment at their facility and where the release may be a threat to human health or the environment, report the release to Ecology within ninety days of discovery. Reporting of these properties to Department of Ecology would place the properties on the Confirmed and Suspected Contaminated Sites List. The determination of whether the release may be a threat or potential threat to human health or the environment is based upon professional judgment. It is our opinion that the identified solvents in soil and isolated perched groundwater at the site do not currently pose a risk to human health or the environment. However, future excavations at the site could cause soil and groundwater contacts that could pose a risk to human health or the environment.

Being listed as a contaminated site does not require cleanup, but would serve as notice that contaminated soils or groundwater are present. Removal of the sites from the contaminated sites list typically requires documentation of the cleanup activity with confirmation sampling to be reviewed by Department of Ecology, typically through the Voluntary Cleanup Program.

Our investigation compared the sample results to the strictest cleanup standards as an initial evaluation tool. We recommend that further evaluation be conducted at the site to determine the extent of contamination and to identify if less stringent cleanup standards could be used for the site.

We recommend that the further investigation include an evaluation of the location and depths of drinking water wells in the vicinity (if any), collection of samples from deeper, non-perched continuous groundwater, and sampling to determine if contamination is present beneath the building or under adjacent properties to the west. Additional information would be used to develop a cleanup and/or monitoring plan.

APPENDIX I

Figure 1 - Vicinity Map

Figure 2 - Aerial Photograph of Site and Vicinity

Figure 3 – Sample Location Map

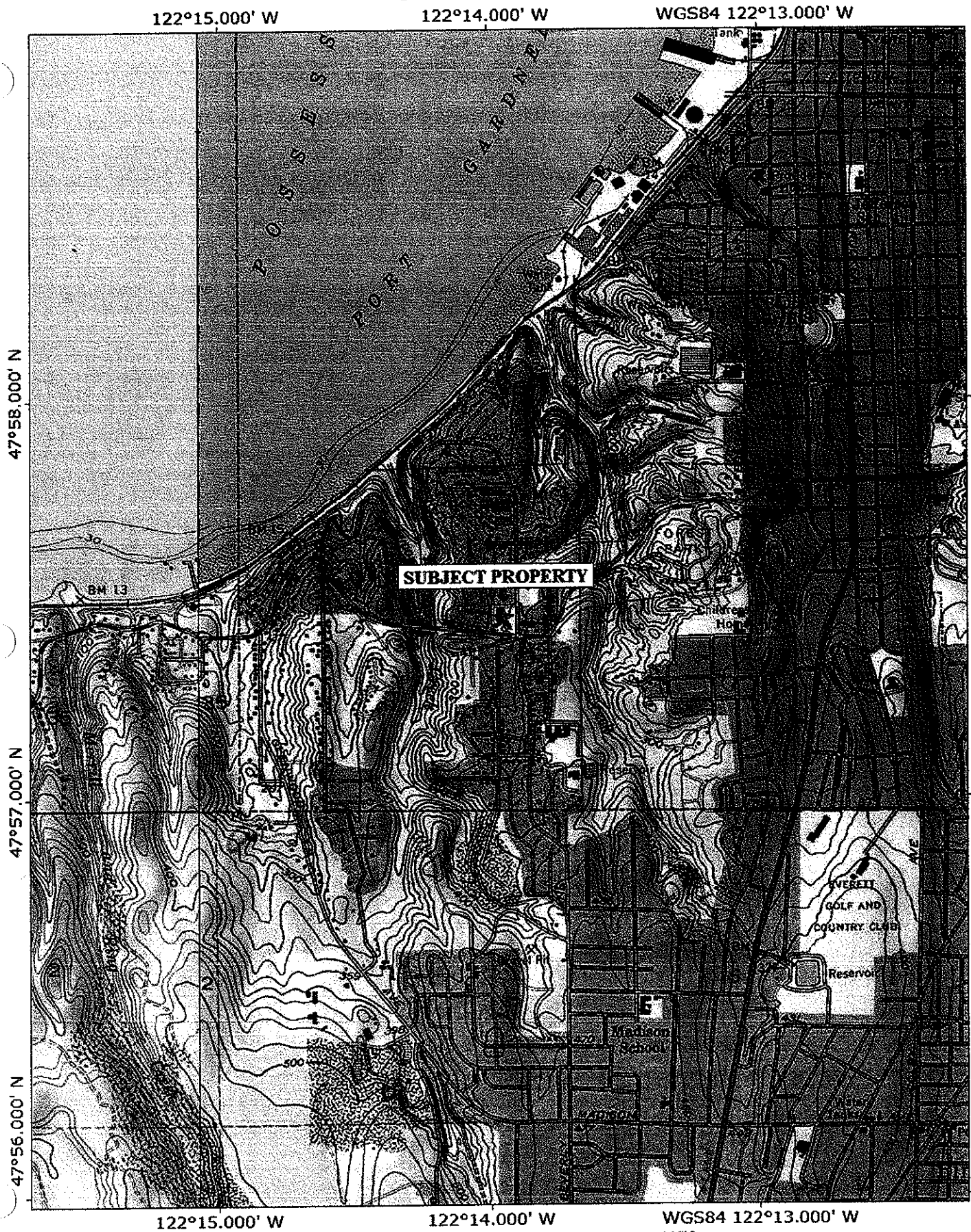
Figure 4 – Groundwater Monitoring Well Locations and Sampling Data

Figure 5 – Soil Sample Results from Dry Cleaning Area

Figure 6 – Groundwater Sample Results from Dry Cleaning Area

Figures 7 through 14 - Site Photographs

Figure 1 - Site Vicinity Map



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

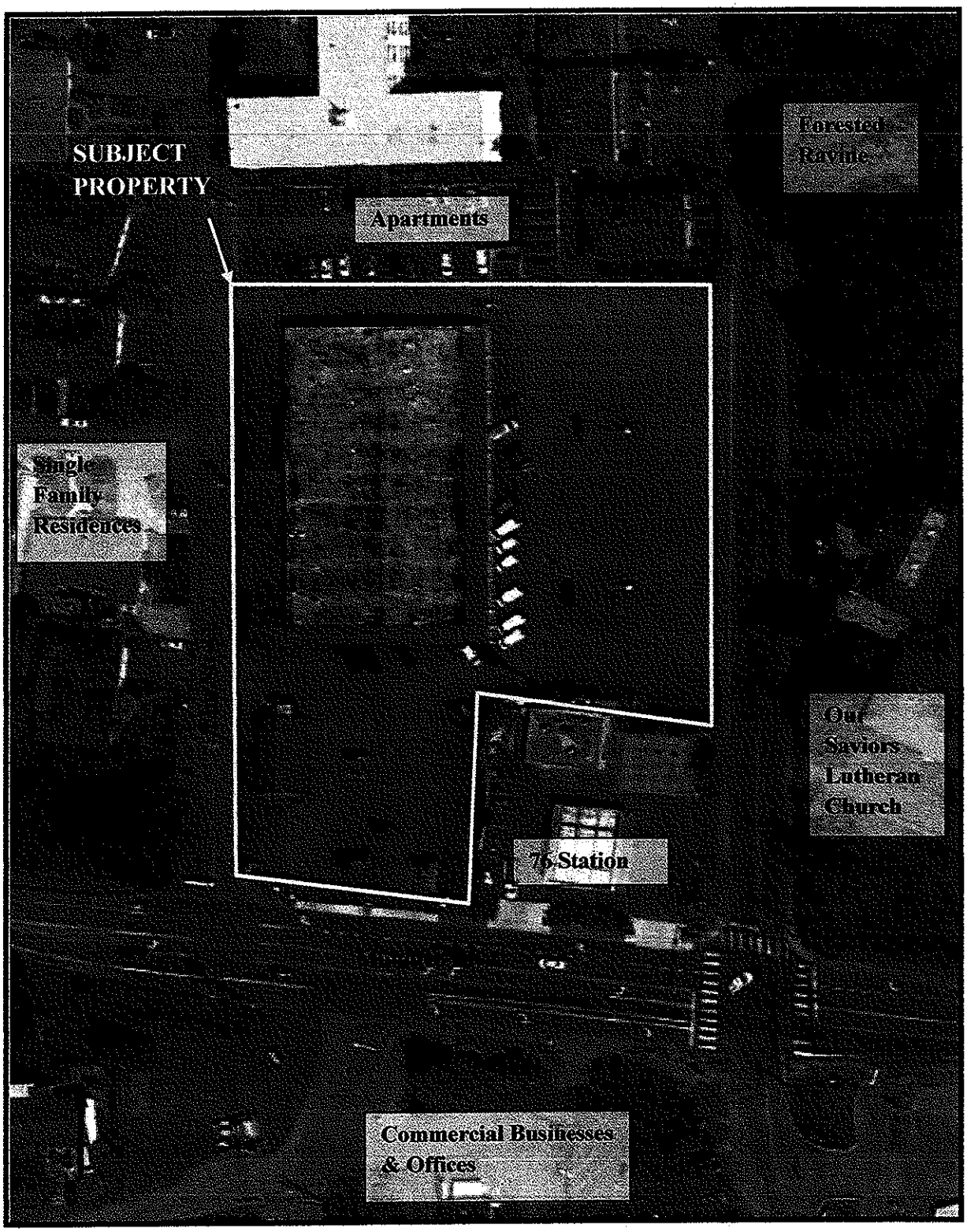


Figure 2. Aerial photograph of Site and Vicinity.

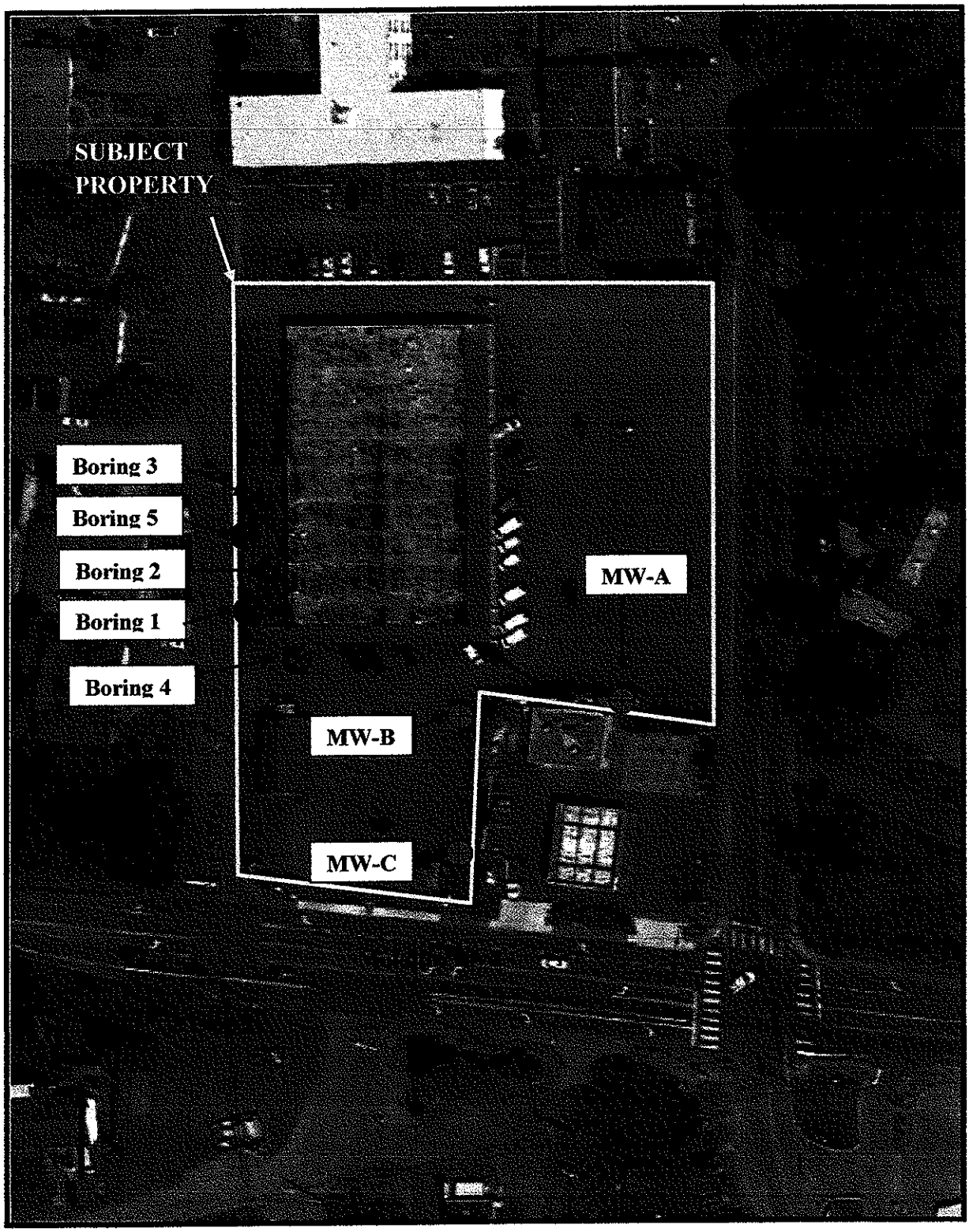


Figure 3. Location of samples collected from the View Ridge Plaza Property, including the five boring locations and the three groundwater monitoring well locations.

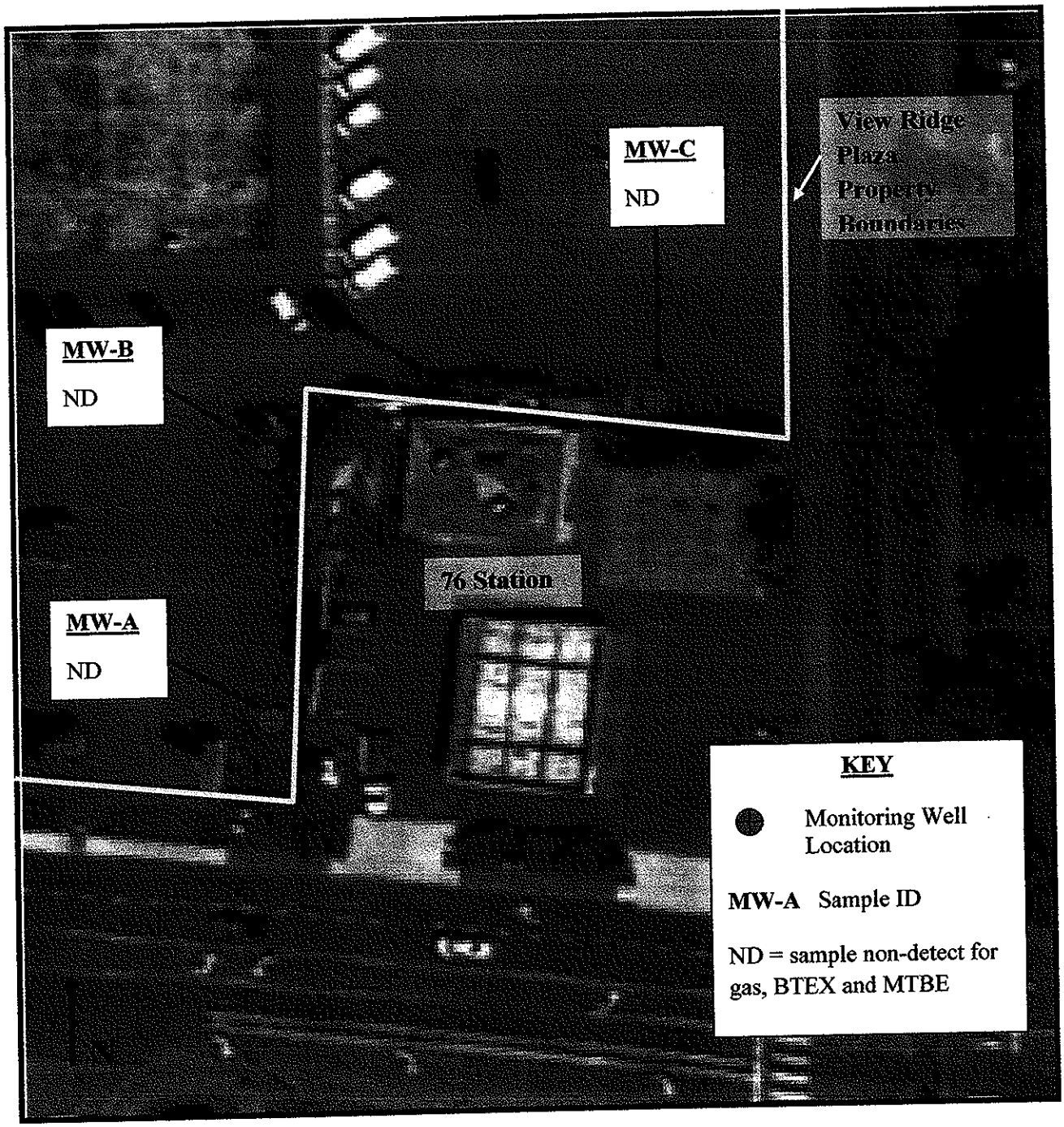


Figure 4. Groundwater well and sample locations around 76 Station in the southeast corner of the View Ridge Plaza property.

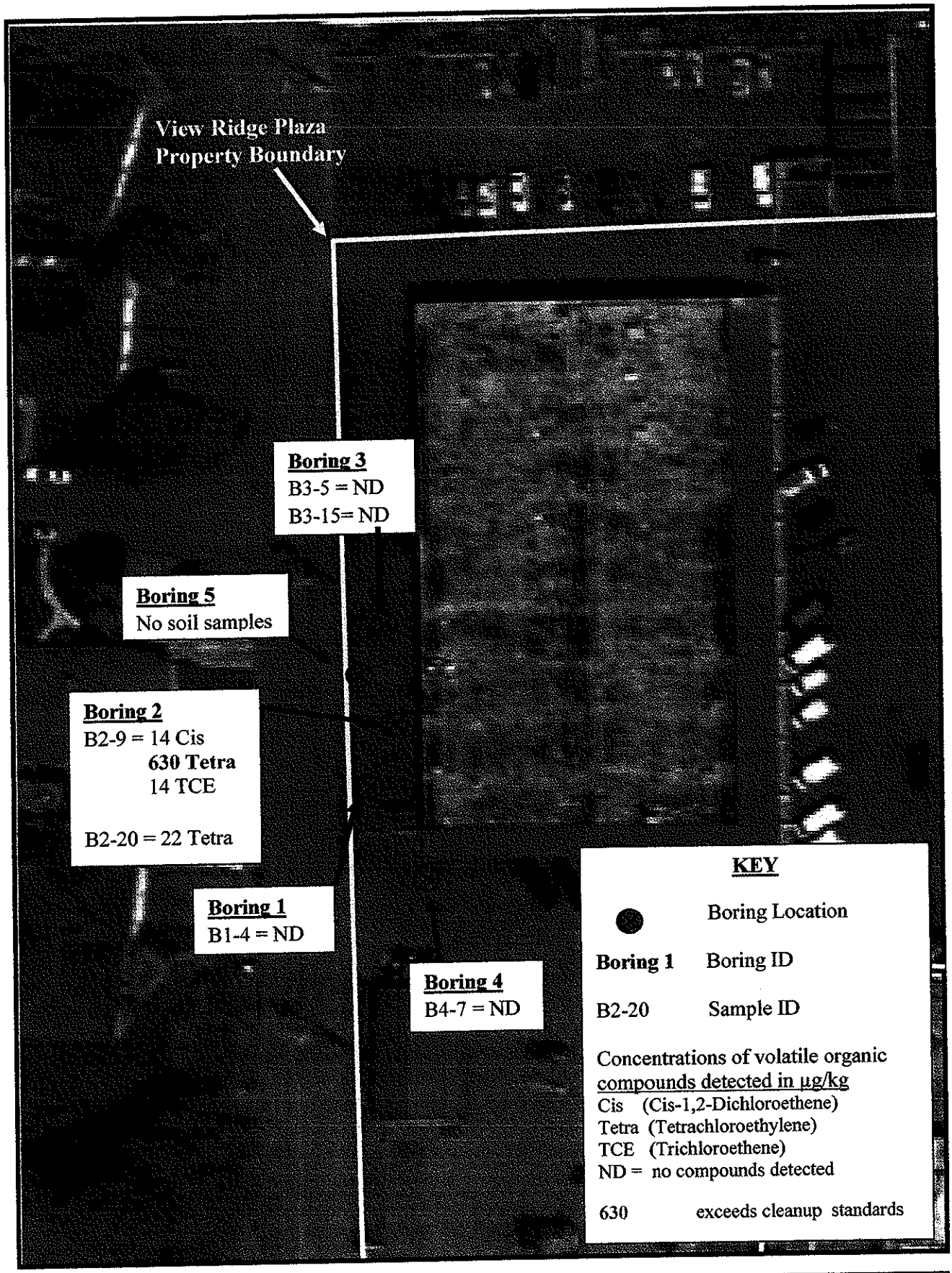


Figure 5. View Ridge Plaza boring locations and soil sample results.

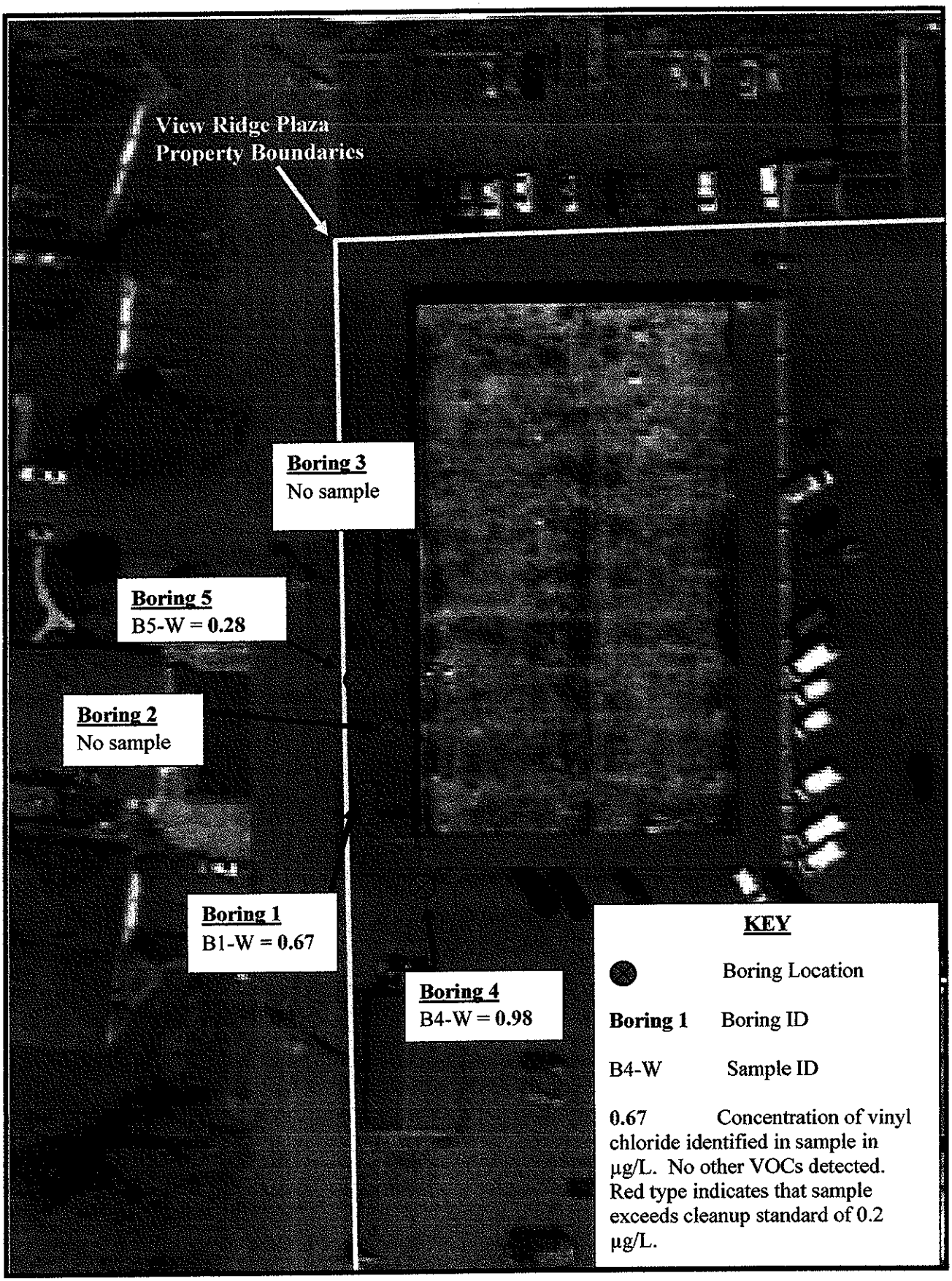


Figure 6. View Ridge Plaza boring locations with water sample results.

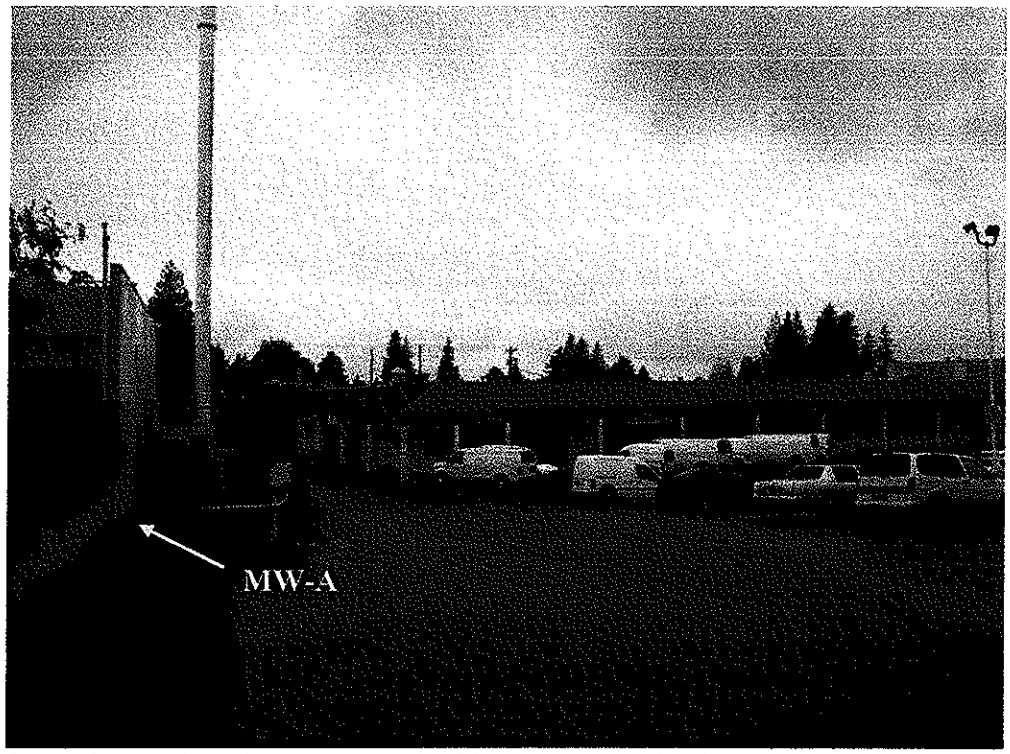


Figure 7. View of the View Ridge Plaza property looking west. Monitoring well MW-A is located in photo and 76 gasoline station is located along the left side of the photo.

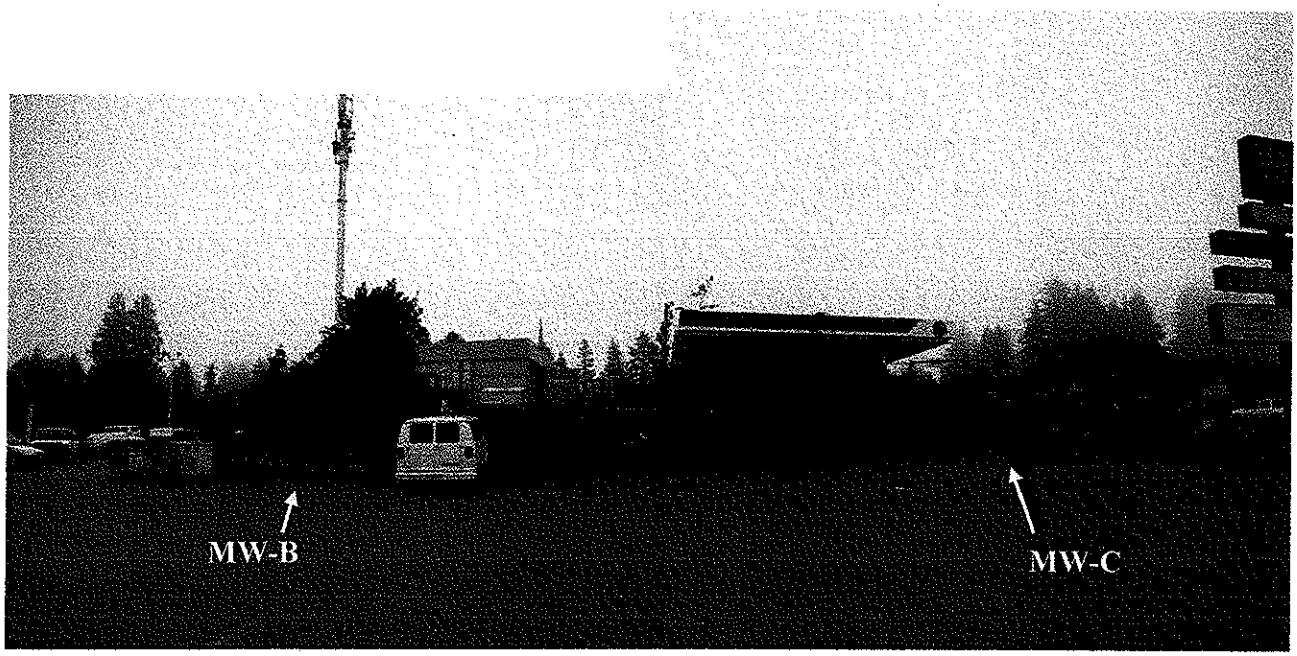


Figure 8. View of the southeastern portion of the site, looking west toward the 76 gasoline station. Monitoring wells MW-B and MW-C are identified in the photo.

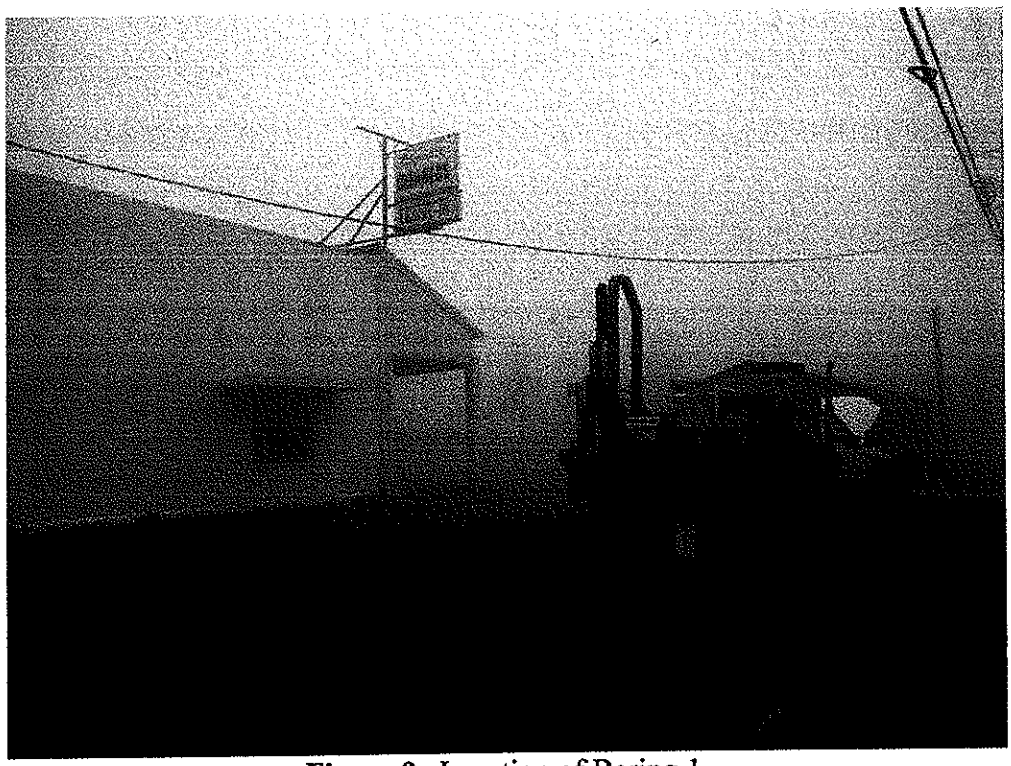


Figure 9. Location of Boring 1.

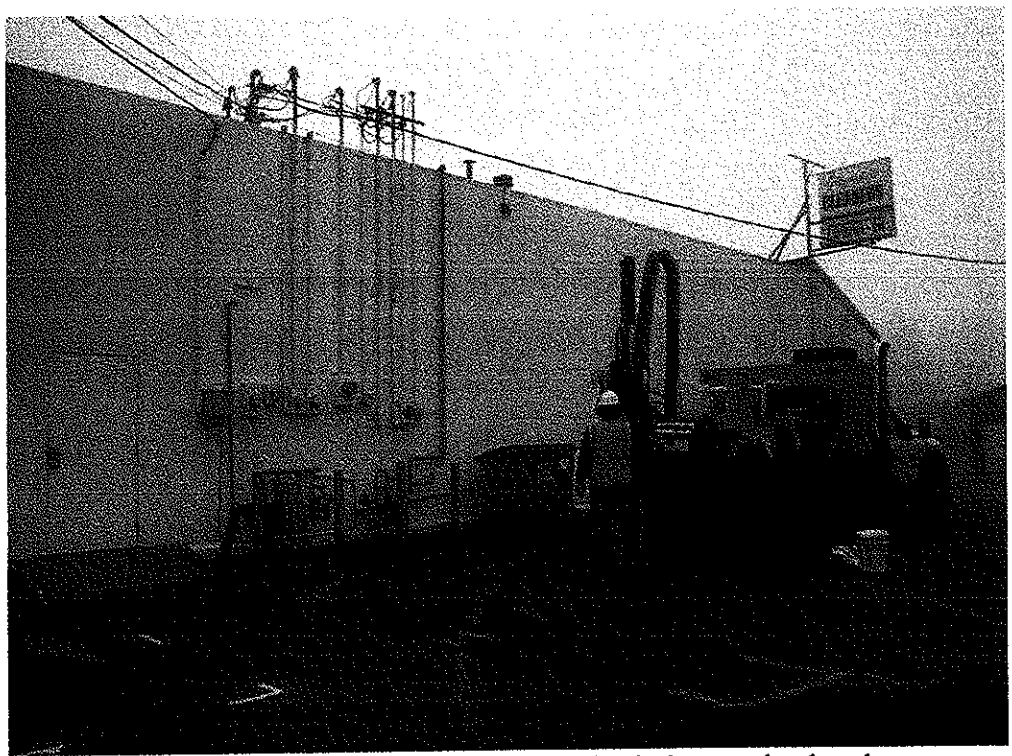


Figure 10. Location of Boring 2. Door in left side of photo is back door to the dry cleaner, currently utilized by Olympic Cleaners.

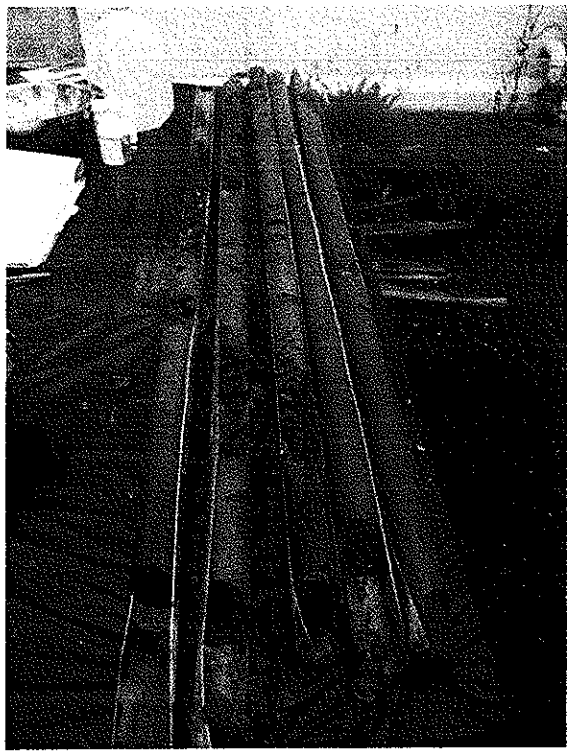


Figure 11. View of soil collected from Boring 2. Soil is dominantly tan or grey compact silt or clay to depths of 20'.

Figure 12. Location of Boring 3, looking eastward. Boring 3 is the northernmost boring location.

Figure 13. Location of Boring 4, looking northeastward. Boring 4 is the southernmost boring location.

Figure 14. Location of Boring 5, west of back door to dry cleaner.

APPENDIX II

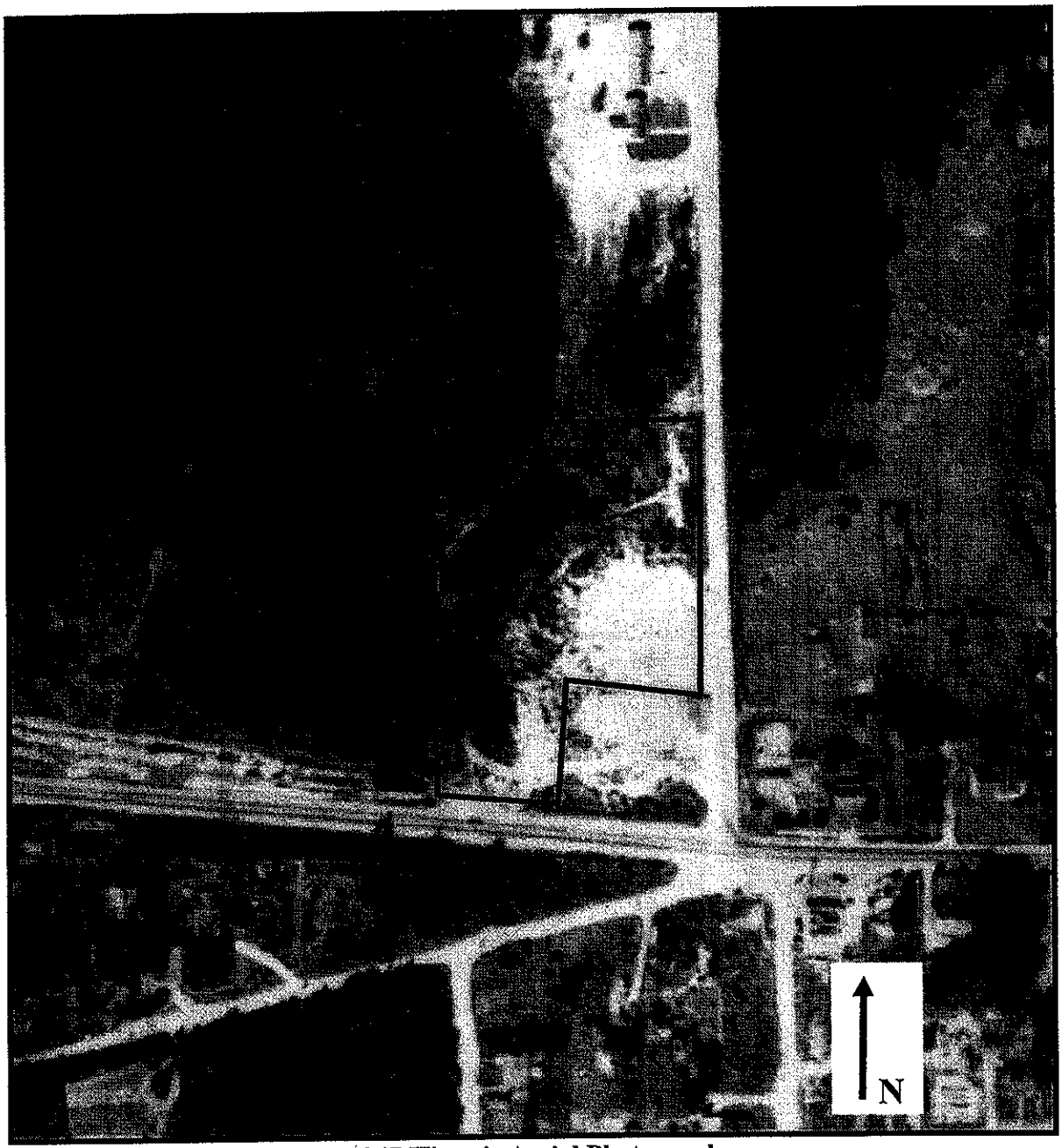
Historic Aerial Photographs (1947, 1955, 1965, 1974, 1984, 1995, 2002)

Utility Map for Property

Laboratory Reports for Soil & Groundwater Data

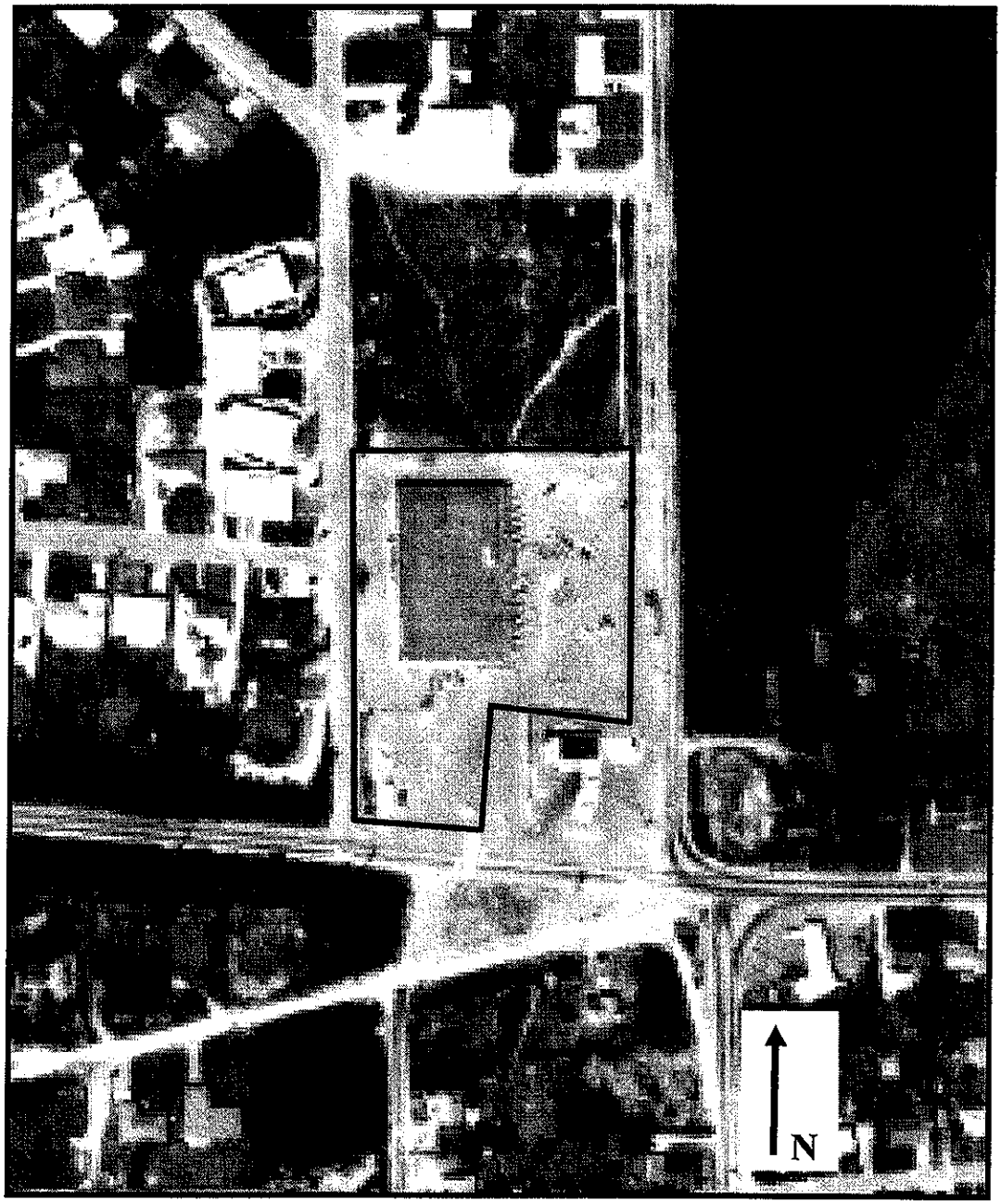
Boring Logs

HISTORIC AERIAL PHOTOGRAPHS

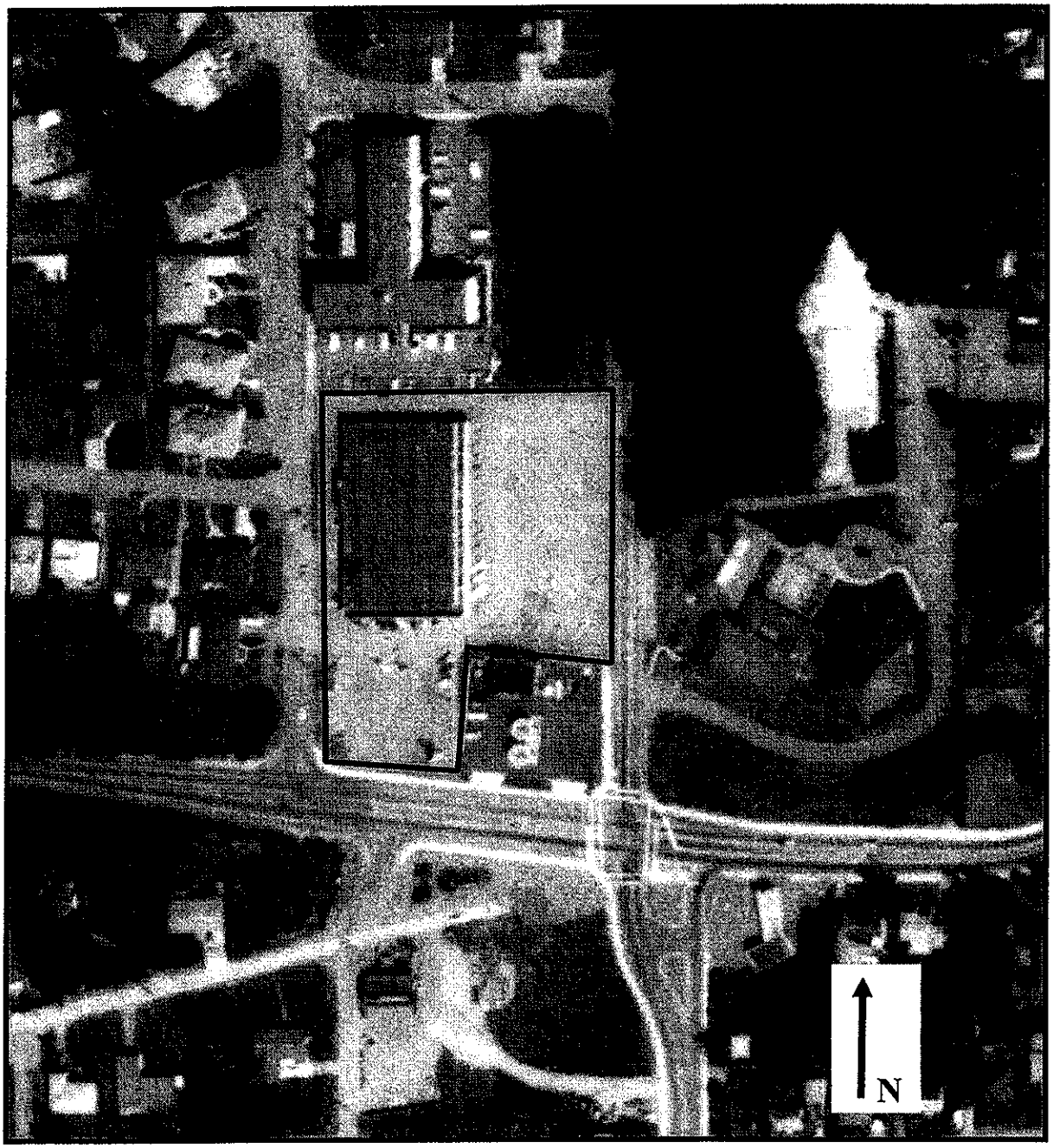


1947 Historic Aerial Photograph

1955 Historic Aerial Photograph

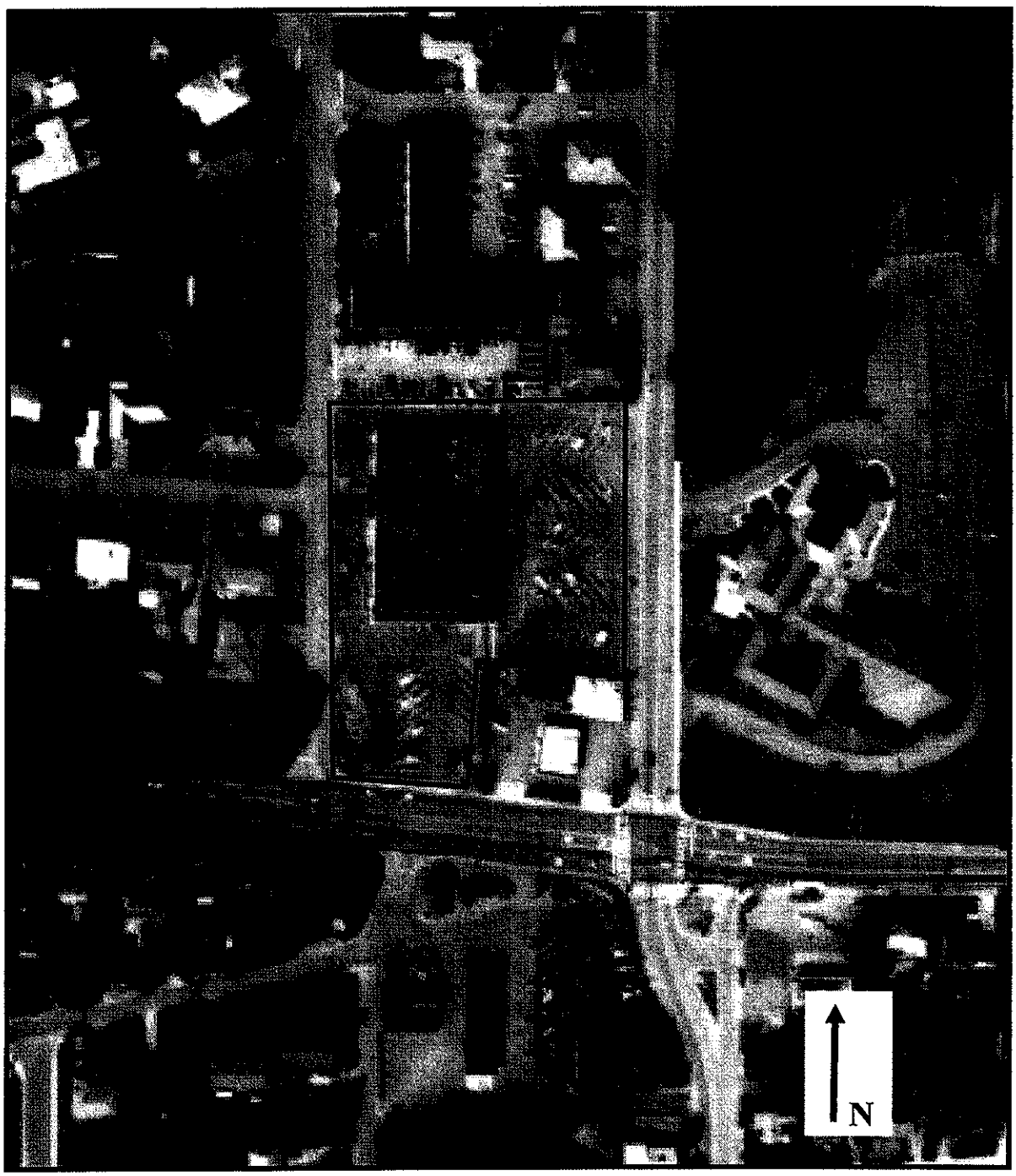


1965 Historic Aerial Photograph

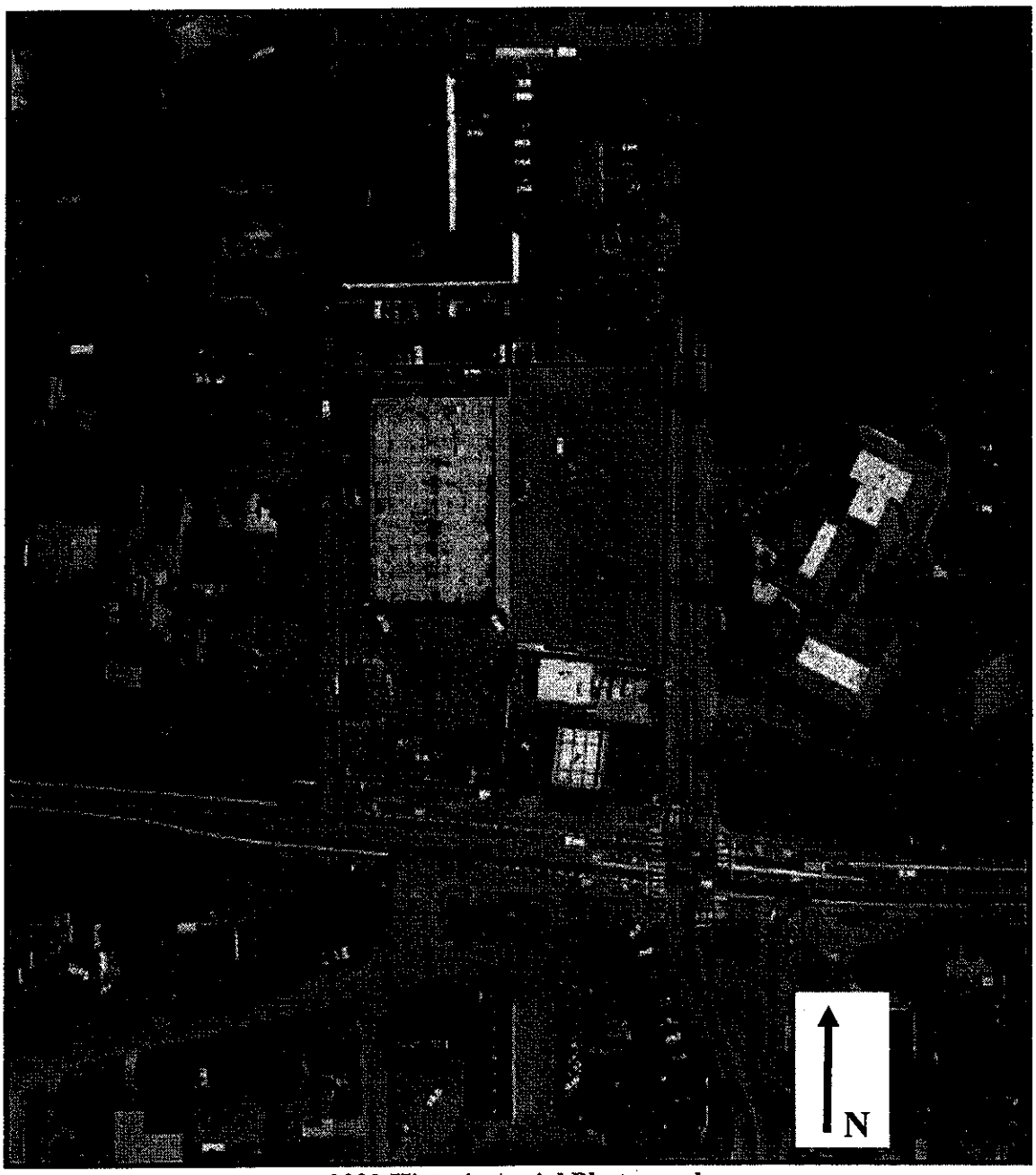


1974 Historic Aerial Photograph

1984 Historic Aerial Photograph



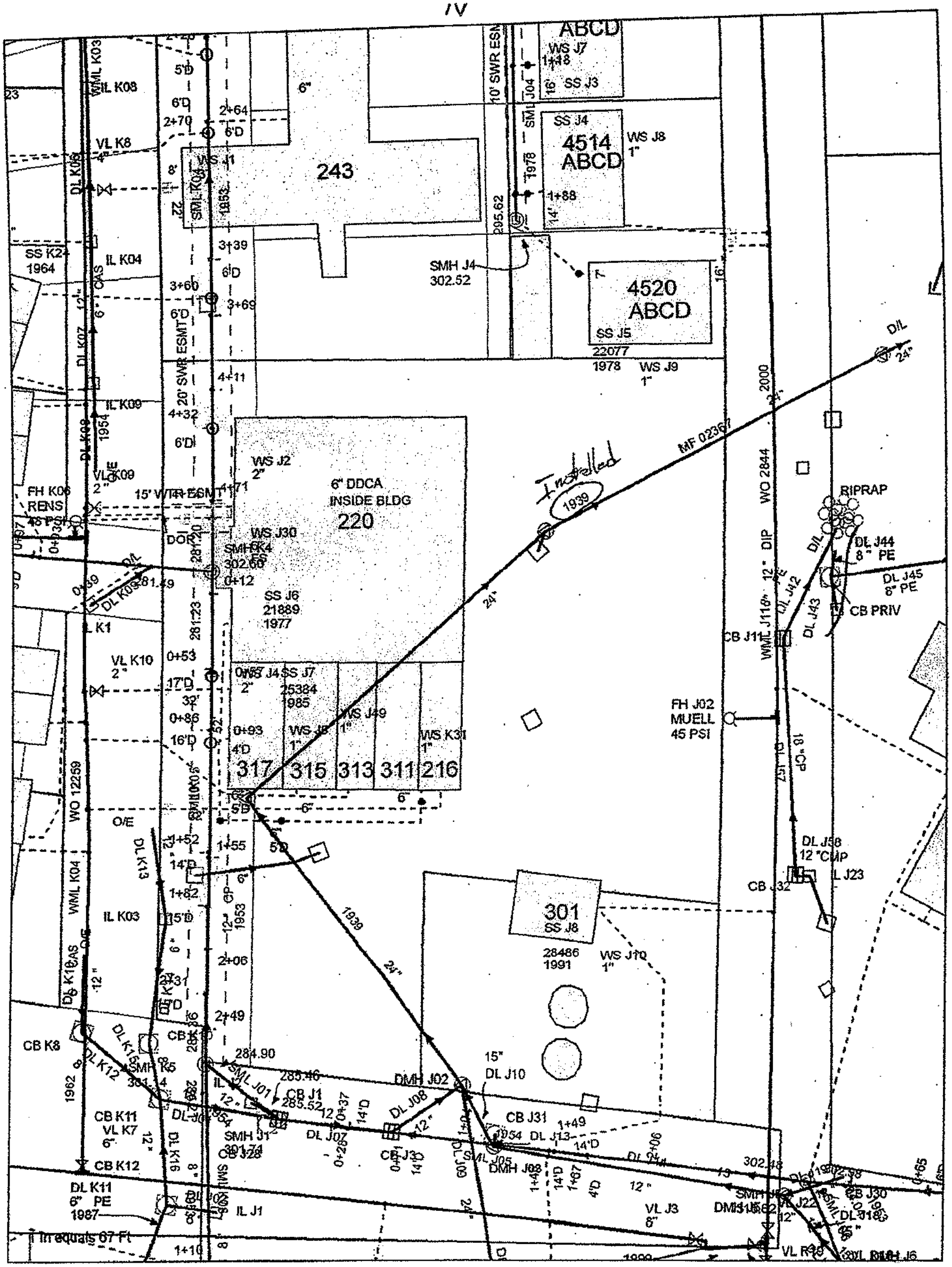
1995 Historic Aerial Photograph



2002 Historic Aerial Photograph

IV

W



ABCD
WS J7
SS J3
10' SWR ESMT
WML K03
WML K08
VL K8
DL K06
243
WS J1
SS J4
4514
ABCD
WS J8
1"
1978
295.62
SMH J4
302.52
4520
ABCD
SS J5
22077
1978
WS J9
1"
SS K2
1964
IL K04
20' SWR ESMT
IL K09
DL K07
DL K08
VL K09
FH K06
RENS
48 PSI
15' WTR ESMT
WS J2
2"
6" DDCA
INSIDE BLDG
220
WS J30
SMH K4
302.60
SS J6
21889
1977
IL K1
VL K10
2"
WS J4
SS J7
25384
1985
WS J8
WS J49
WS K31
317
315
313
311
216
Installed
1939
MF 02367
24"
D/L
2000
WO 2844
RIPRAP
DL J44
8" PE
DL J45
8" PE
CB PRIV
DL J42
DL J43
CB J11
WML J11
12" DIP
FH J02
MUELL
45 PSI
18" CP
DL J58
12" CMP
IL J23
CB J32
WO 12259
O/E
DL K13
WML K04
IL K03
301
SS J8
28486
1991
WS J10
1"
1953
1962
CB K8
DL K12
SMH K5
CB K11
VL K7
6"
DL K16
CB K12
DL K11
6" PE
1987
IL J1
284.90
285.46
SML J01
CB J1
285.52
SMH J1
DL J07
CB J3
DL J08
DMH J02
15"
DL J10
CB J31
DL J13
SML J05
DMH J03
302.48
VL J3
8"
SMH J6
CB J30
VL R48
DMH J6
1 in equals 67 Ft

E

5

October 31, 2013

Ms. Kim Ninnemann
Stratum Group
P.O. Box 2546
Bellingham, WA 98227

Dear Ms. Ninnemann,

On October 24th, 12 samples were received by our laboratory and assigned our laboratory project number EV13100176. The project was identified as your View Ridge Plaza. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
		ALS SAMPLE#:	EV13100176-01
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 3:50:00 PM
CLIENT SAMPLE ID	MW-A	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	10/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	10/29/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	10/29/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	10/29/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	10/29/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	10/29/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	103	10/29/2013	DLC
TFT	EPA-8021	111	10/29/2013	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
CLIENT CONTACT:	Kim Ninnemann	ALS SAMPLE#:	EV13100176-02
CLIENT PROJECT:	View Ridge Plaza	DATE RECEIVED:	10/24/2013
CLIENT SAMPLE ID	MW-B	COLLECTION DATE:	10/24/2013 3:20:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	10/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	10/29/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	10/29/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	10/29/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	10/29/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	10/29/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	96.3	10/29/2013	DLC
TFT	EPA-8021	104	10/29/2013	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE: ALS JOB#: ALS SAMPLE#:	10/31/2013 EV13100176 EV13100176-03
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 2:50:00 PM
CLIENT SAMPLE ID	MW-C	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	10/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	10/29/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	10/29/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	10/29/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	10/29/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	10/29/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**96.1**	10/29/2013	DLC
TFT	EPA-8021	**107**	10/29/2013	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE: ALS JOB#: ALS SAMPLE#:	10/31/2013 EV13100176 EV13100176-04
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 10:05:00 AM
CLIENT SAMPLE ID	B1-4	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Methylene Chloride	EPA-8260	U	20	1	UG/KG	10/25/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloroform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Dibromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	10/25/2013	GAP
Chlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromoform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE: ALS JOB#: ALS SAMPLE#:	10/31/2013 EV13100176 EV13100176-04
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 10:05:00 AM
CLIENT SAMPLE ID	B1-4	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	10/25/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**88.0**	10/25/2013	GAP
4-Bromofluorobenzene	EPA-8260	**115**	10/25/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
		ALS SAMPLE#:	EV13100176-05
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 11:15:00 AM
CLIENT SAMPLE ID	B2-9	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Methylene Chloride	EPA-8260	U	20	1	UG/KG	10/25/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	**14**	10	1	UG/KG	10/25/2013	GAP
-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
romochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloroform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trichloroethene	EPA-8260	**14**	10	1	UG/KG	10/25/2013	GAP
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Dibromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Tetrachloroethylene	EPA-8260	**630**	10	1	UG/KG	10/25/2013	GAP
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	10/25/2013	GAP
Chlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromoform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE: ALS JOB#: ALS SAMPLE#:	10/31/2013 EV13100176 EV13100176-05
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 11:15:00 AM
CLIENT SAMPLE ID	B2-9	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	10/25/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	**104**	10/25/2013	GAP
1,2-Dichloroethane-d4	EPA-8260	**86.8**	10/25/2013	GAP
4-Bromofluorobenzene	EPA-8260	**100**	10/25/2013	GAP
4-Bromofluorobenzene	EPA-8260	**93.0**	10/25/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
CLIENT CONTACT:	Kim Ninnemann	ALS SAMPLE#:	EV13100176-06
CLIENT PROJECT:	View Ridge Plaza	DATE RECEIVED:	10/24/2013
CLIENT SAMPLE ID	B2-20	COLLECTION DATE:	10/24/2013 11:40:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Chloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Bromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Chloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Methylene Chloride	EPA-8260	U	20	1	UG/KG	10/25/2013	GAP	
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
2-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Bromochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Chloroform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Trichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Dibromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Tetrachloroethylene	EPA-8260	22	10	1	UG/KG	10/25/2013	GAP	
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	10/25/2013	GAP	
Chlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Bromoform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
Bromobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	
1,3 Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
CLIENT CONTACT:	Kim Ninnemann	ALS SAMPLE#:	EV13100176-06
CLIENT PROJECT:	View Ridge Plaza	DATE RECEIVED:	10/24/2013
CLIENT SAMPLE ID	B2-20	COLLECTION DATE:	10/24/2013 11:40:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	10/25/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	101	10/25/2013	GAP
4-Bromofluorobenzene	EPA-8260	119	10/25/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
		ALS SAMPLE#:	EV13100176-07
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 12:15:00 PM
CLIENT SAMPLE ID	B3-5	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Methylene Chloride	EPA-8260	U	20	1	UG/KG	10/25/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
romochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloroform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Dibromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	10/25/2013	GAP
Chlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromoform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
CLIENT CONTACT:	Kim Ninnemann	ALS SAMPLE#:	EV13100176-07
CLIENT PROJECT:	View Ridge Plaza	DATE RECEIVED:	10/24/2013
CLIENT SAMPLE ID	B3-5	COLLECTION DATE:	10/24/2013 12:15:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	10/25/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	111	10/25/2013	GAP
4-Bromofluorobenzene	EPA-8260	150 GS1	10/25/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.
GS1 - Surrogate outside of control limits due to matrix effect.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
CLIENT CONTACT:	Kim Ninnemann	ALS SAMPLE#:	EV13100176-08
CLIENT PROJECT:	View Ridge Plaza	DATE RECEIVED:	10/24/2013
CLIENT SAMPLE ID	B3-13	COLLECTION DATE:	10/24/2013 12:25:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Methylene Chloride	EPA-8260	U	20	1	UG/KG	10/25/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
romochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chloroform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Dibromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dibromoethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Chlorobenzene	EPA-8260	U	5.0	1	UG/KG	10/25/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromoform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Bromobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
CLIENT CONTACT:	Kim Ninnemann	ALS SAMPLE#:	EV13100176-08
CLIENT PROJECT:	View Ridge Plaza	DATE RECEIVED:	10/24/2013
CLIENT SAMPLE ID	B3-13	COLLECTION DATE:	10/24/2013 12:25:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	10/25/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	90.0	10/25/2013	GAP
4-Bromofluorobenzene	EPA-8260	161 GS1	10/25/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.
GS1 - Surrogate outside of control limits due to matrix effect.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
		ALS SAMPLE#:	EV13100176-09
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 1:05:00 PM
CLIENT SAMPLE ID	B4-7	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY	
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Chloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Bromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Chloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Methylene Chloride	EPA-8260	U	20	1	UG/KG	10/25/2013	GAP	i
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
2-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Bromochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Chloroform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Trichloroethene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Dibromomethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	10/25/2013	GAP	i
Chlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Bromoform	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
Bromobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i
1,3 Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP	i

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE: ALS JOB#: ALS SAMPLE#:	10/31/2013 EV13100176 EV13100176-09
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 1:05:00 PM
CLIENT SAMPLE ID	B4-7	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	10/25/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/25/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	103	10/25/2013	GAP
4-Bromofluorobenzene	EPA-8260	112	10/25/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
		ALS SAMPLE#:	EV13100176-10
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 10:30:00 AM
CLIENT SAMPLE ID	B1-W	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Vinyl Chloride	EPA-8260	**0.67**	0.20	1	UG/L	10/30/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	10/30/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
romochloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	10/30/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
CLIENT CONTACT:	Kim Ninnemann	ALS SAMPLE#:	EV13100176-10
CLIENT PROJECT:	View Ridge Plaza	DATE RECEIVED:	10/24/2013
CLIENT SAMPLE ID	B1-W	COLLECTION DATE:	10/24/2013 10:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	10/30/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	97.1	10/30/2013	GAP
4-Bromofluorobenzene	EPA-8260	90.2	10/30/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
		ALS SAMPLE#:	EV13100176-11
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 1:20:00 PM
CLIENT SAMPLE ID	B4-W	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Vinyl Chloride	EPA-8260	**0.98**	0.20	1	UG/L	10/30/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	10/30/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
)-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	10/30/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
		ALS SAMPLE#:	EV13100176-11
CLIENT CONTACT:	Kim Ninnemann	DATE RECEIVED:	10/24/2013
CLIENT PROJECT:	View Ridge Plaza	COLLECTION DATE:	10/24/2013 1:20:00 PM
CLIENT SAMPLE ID	B4-W	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	10/30/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	100	10/30/2013	GAP
4-Bromofluorobenzene	EPA-8260	92.8	10/30/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
CLIENT CONTACT:	Kim Ninnemann	ALS SAMPLE#:	EV13100176-12
CLIENT PROJECT:	View Ridge Plaza	DATE RECEIVED:	10/24/2013
CLIENT SAMPLE ID	B5-W	COLLECTION DATE:	10/24/2013 2:05:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Vinyl Chloride	EPA-8260	**0.28**	0.20	1	UG/L	10/30/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	10/30/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dibromoethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chlorobenzene	EPA-8260	U	0.010	1	UG/L	10/30/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS JOB#:	EV13100176
CLIENT CONTACT:	Kim Ninnemann	ALS SAMPLE#:	EV13100176-12
CLIENT PROJECT:	View Ridge Plaza	DATE RECEIVED:	10/24/2013
CLIENT SAMPLE ID	B5-W	COLLECTION DATE:	10/24/2013 2:05:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	10/30/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	97.1	10/30/2013	GAP
4-Bromofluorobenzene	EPA-8260	94.6	10/30/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Stratum Group
P.O. Box 2546
Bellingham, WA 98227
CLIENT CONTACT: Kim Ninnemann
CLIENT PROJECT: View Ridge Plaza

DATE: 10/31/2013
ALS SDG#: EV13100176
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MBG-102413W - Batch 7307 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	10/24/2013	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-102413W - Batch 7307 - Water by EPA-8021

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	10/24/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	10/24/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	10/24/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	10/24/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	10/24/2013	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-102213S - Batch 7302 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Chloromethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Bromomethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Chloroethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Methylene Chloride	EPA-8260	U	20	1	UG/KG	10/22/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Bromochloromethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Chloroform	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Trichloroethene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Dibromomethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE: ALS SDG#: WDOE ACCREDITATION:	10/31/2013 EV13100176 C601
CLIENT CONTACT:	Kim Ninnemann		
CLIENT PROJECT:	View Ridge Plaza		

LABORATORY BLANK RESULTS

MB-102213S - Batch 7302 - Soil by EPA-8260

Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Toluene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	10/22/2013	GAP
Chlorobenzene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Bromoform	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Bromobenzene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Chlorotoluene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	10/22/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	10/22/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

MB-103013W - Batch 7321 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	10/30/2013	GAP
Bromomethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	10/30/2013	GAP
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE: ALS SDG#: WDOE ACCREDITATION:	10/31/2013 EV13100176 C601
CLIENT CONTACT:	Kim Ninnemann		
CLIENT PROJECT:	View Ridge Plaza		

LABORATORY BLANK RESULTS

MB-103013W - Batch 7321 - Water by EPA-8260

2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Chloroform	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trichloroethene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Dibromomethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Toluene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
-Dichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
etrachloroethylene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	10/30/2013	GAP
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromoform	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Bromobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,3 Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	10/30/2013	GAP
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	10/30/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Stratum Group
P.O. Box 2546
Bellingham, WA 98227

CLIENT CONTACT: Kim Ninnemann
CLIENT PROJECT: View Ridge Plaza

DATE: 10/31/2013
ALS SDG#: EV13100176
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 7307 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	68.4			10/24/2013	DLC
TPH-Volatile Range - BSD	NWTPH-GX	70.0	2		10/24/2013	DLC

ALS Test Batch ID: 7307 - Water by EPA-8021

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	95.6			10/24/2013	DLC
Methyl T-Butyl Ether - BSD	EPA-8021	100	5		10/24/2013	DLC
Benzene - BS	EPA-8021	93.4			10/24/2013	DLC
Benzene - BSD	EPA-8021	98.6	5		10/24/2013	DLC
Toluene - BS	EPA-8021	97.8			10/24/2013	DLC
Toluene - BSD	EPA-8021	102	5		10/24/2013	DLC
Ethylbenzene - BS	EPA-8021	99.4			10/24/2013	DLC
Ethylbenzene - BSD	EPA-8021	104	4		10/24/2013	DLC
Xylenes - BS	EPA-8021	101			10/24/2013	DLC
Xylenes - BSD	EPA-8021	105	5		10/24/2013	DLC

ALS Test Batch ID: 7302 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	105			10/22/2013	GAP
1,1-Dichloroethene - BSD	EPA-8260	96.2	8		10/24/2013	GAP
Trichloroethene - BS	EPA-8260	108			10/22/2013	GAP
Trichloroethene - BSD	EPA-8260	118	9		10/24/2013	GAP
Toluene - BS	EPA-8260	88.0			10/22/2013	GAP
Toluene - BSD	EPA-8260	86.0	2		10/24/2013	GAP
Chlorobenzene - BS	EPA-8260	92.8			10/22/2013	GAP
Chlorobenzene - BSD	EPA-8260	88.7	5		10/24/2013	GAP

ALS Test Batch ID: 7321 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	100			10/30/2013	GAP
1,1-Dichloroethene - BSD	EPA-8260	96.0	4		10/30/2013	GAP
Trichloroethene - BS	EPA-8260	97.6			10/30/2013	GAP
Trichloroethene - BSD	EPA-8260	90.5	8		10/30/2013	GAP
Toluene - BS	EPA-8260	98.6			10/30/2013	GAP
Toluene - BSD	EPA-8260	92.8	6		10/30/2013	GAP

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Stratum Group P.O. Box 2546 Bellingham, WA 98227	DATE:	10/31/2013
		ALS SDG#:	EV13100176
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Kim Ninnemann		
CLIENT PROJECT:	View Ridge Plaza		

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Chlorobenzene - BS	EPA-8260	104			10/30/2013	GAP
Chlorobenzene - BSD	EPA-8260	96.8	7		10/30/2013	GAP

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 PHONE 425-356-2600 FAX 425-356-2626
ALS Laboratory Group A Campbell Brothers Limited Company

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Only): EV1310176

Date 10/24/13 Page 1 Of 2

PROJECT ID:	View Ridge Plaza
REPORT TO COMPANY:	Stratum Group
PROJECT MANAGER:	Kim Ninnemann
ADDRESS:	Po Box 2716
	Bellingham, WA 98227
PHONE: 360-714-9409	FAX: 360-715-1740
P.O. #: View Ridge	E-MAIL: stratumgroupeg westoffice.net
INVOICE TO COMPANY:	Everett Masonic Corp
ATTENTION:	Pat Marlatt patrickmarlatte comcast.net
ADDRESS:	234 olympic Blvd
	Everett, WA 98203

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☒ / EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-A	10/24/13	3:50	H_2O	1			X	X	X											2	
2. MW-B		3:20	H_2O	2			X	X	X											2	
3. MW-C		2:50	H_2O	3			X	X	X											2	
4. B1-4		10:05	Soil	4						X										4	
5. B2-9		11:15		5						X										4	
6. B2-20		11:40		6						X										4	
7. B3-5		12:15		7						X										3	
8. B3-13		12:25		8						X										3	
9. B4-7		1:05		9						X										3	
10. ~~B5~~ B1-W		10:30	H_2O	10						X										2	

LABORATORY COPY

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Kim Ninnemann Stratum Group 10/24/13 4:45
   Received By: Shawn Robinson ALS 10/24/13 4:45
2. Relinquished By: _____
   Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: 10 Standard ☒ 5 ☐ 3 ☐ 2 ☐ 1 ☐ SAME DAY ☐

Fuels & Hydrocarbon Analysis: ☒ Standard ☐ 3 ☐ 1 ☐ SAME DAY ☐

OTHER: Specify: _____

* Turnaround request less than standard may incur Rush Charges

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Only): EV13100176

Date 10/24/13 Page 2 Of 2

PROJECT ID: View Ridge Plaza
REPORT TO COMPANY: Stratum Group
PROJECT MANAGER:
ADDRESS:
PHONE: FAX:
P.O. #: View Ridge E-MAIL:
INVOICE TO COMPANY: Everett Masonic Lodge
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 ☐ EPA-8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. B4-W	10/24/13	1:20	H_2O	11						X											2	
2. B5-W	↓	2:05	H_2O	12						X											2	
3.																						
4.																						
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						

LABORATORY COPY

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Kim Kinneman Stratum Group 10/24/13 4:45
   Received By: Shawn Robinson ALS 10/24/13 4:45
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

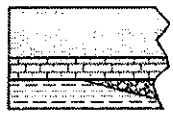
Organic, Metals & Inorganic Analysis: 10 Standard | ~~5~~ | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

OTHER:

Specify:

* *Turnaround request less than standard may incur Rush Charges*



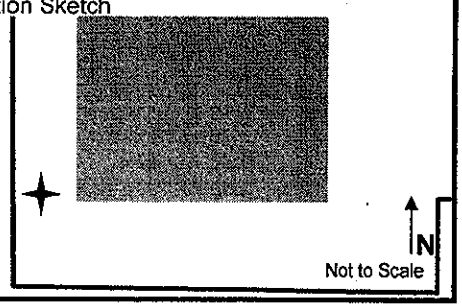
Stratum Group

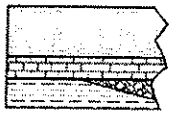
BOREHOLE NUMBER	**B1**
PROJECT	View Ridge Plaza
LOCATION	220 Olympic Boulevard
PROJECT NUMBER	9.30.13
LOGGED BY	Kim Ninnemann

SAMPLE INFORMATION						Depth (ft)	STRATA	DESCRIPTION
Sample ID	Blow Counts	Sample Depth (ft)	Discolor-ation	Sheen	Odor			USCS group name, color, grain size range, minor constituents, plasticity, odor, sheen, moisture content, texture, weathering, cementation, geologic interpretation, etc.
							GP	2" asphalt with sandy gravel base with minor clay
							ML	Moist, brown-black-grey SILT with minor sand.
B1-4		4 to 5	No	No	No	5--		Thin black organic layer at 6' depth.
B1-7		6 to 7	No	No	No			10" wet grey SAND
							CL	Dry, grey to tan-grey, compact CLAY
						10--		
						15--		Boring extended to 15' depth. Perched water bearing layer encountered at 9'.
						20--		
						25--		

DRILLING CONTRACTOR	ESN
DRILLING METHOD	Geoprobe
SAMPLING EQUIPMENT	Stainless spoon and bowl
DRILLING DATE	October 24, 2013
SURFACE ELEVATION	
DATUMS	

Location Sketch





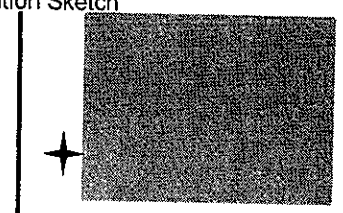
Stratum Group

BOREHOLE NUMBER	B2
PROJECT	View Ridge Plaza
LOCATION	220 Olympic Boulevard
PROJECT NUMBER	9.30.13
LOGGED BY	Kim Ninnemann

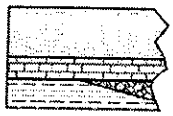
SAMPLE INFORMATION						Depth (ft)	STRATA	DESCRIPTION
Sample ID	Blow Counts	Sample Depth (ft)	Discolor-ation	Sheen	Odor			USCS group name, color, grain size range, minor constituents, plasticity, odor, sheen, moisture content, texture, weathering, cementation, geologic interpretation, etc.
							GP	3" asphalt with sandy gravel base
							ML	Damp, brown to grey compact sandy SILT
						5--		
B2-9		8 to 9	No	No	No			
							ML/ CL	Dense, grey to tan, dry to damp sandy CLAY that grades to clayey SILT. 4" of very fine, wet SAND at 9' depth.
						10--		
							CL	Dry, dense grey CLAY
						15--		
B2-20		19 to 20	No	No	No			
						20--		Boring extended to 20' depth. No groundwater encountered.
						25--		

DRILLING CONTRACTOR	ESN
DRILLING METHOD	Geoprobe
SAMPLING EQUIPMENT	Stainless spoon and bowl
DRILLING DATE	October 24, 2013
SURFACE ELEVATION	
DATUMS	

Location Sketch



Not to Scale



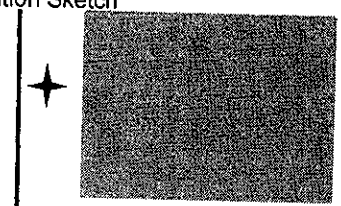
Stratum Group

BOREHOLE NUMBER	B3
PROJECT	View Ridge Plaza
LOCATION	220 Olympic Boulevard
PROJECT NUMBER	9.30.13
LOGGED BY	Kim Ninnemann

SAMPLE INFORMATION						Depth (ft)	STRATA	DESCRIPTION
Sample ID	Blow Counts	Sample Depth (ft)	Discolor-ation	Sheen	Odor			USCS group name, color, grain size range, minor constituents, plasticity, odor, sheen, moisture content, texture, weathering, cementation, geologic interpretation, etc.
							GP	2" asphalt with sandy gravel base. Sample was wet in bottom 2" of fill.
							CL	Moist, grey CLAY with minor sand and wood
B3-5		4 to 5	No	No	No	5--	SP	Moist, grey silty SAND
							ML/ CL	Dry tan SILT/CLAY with some mottling at ~10'
						10--		
							SW	4" Moist grey fine SAND
B3-13		13 to 14	No	No	No			
						15--	CL	Dry dense grey CLAY
						20--		Boring extended to 20' depth. No groundwater encountered.
						25--		

DRILLING CONTRACTOR	ESN
DRILLING METHOD	Geoprobe
SAMPLING EQUIPMENT	Stainless spoon and bowl
DRILLING DATE	October 24, 2013
SURFACE ELEVATION	
DATUMS	

Location Sketch



N

Not to Scale

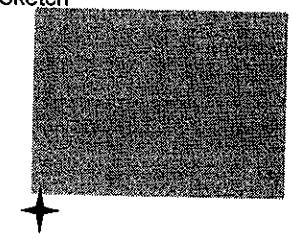
Stratum Group

BOREHOLE NUMBER	B4
PROJECT	View Ridge Plaza
LOCATION	220 Olympic Boulevard
PROJECT NUMBER	9.30.13
LOGGED BY	Kim Ninnemann

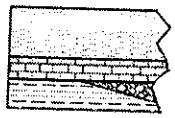
SAMPLE INFORMATION						Depth (ft)	STRATA	DESCRIPTION
Sample ID	Blow Counts	Sample Depth (ft)	Discolor-ation	Sheen	Odor			USCS group name, color, grain size range, minor constituents, plasticity, odor, sheen, moisture content, texture, weathering, cementation, geologic interpretation, etc.
							GP	2" asphalt with sandy gravel base with minor clay
							ML	Moist, dark brown to grey sandy SILT with some organics and one rock
						5--	CL	Moist soft dark grey CLAY
B4-7		7 to 8	No	No	No		SW	Wet light to dark grey fine SAND
								Dry compact grey CLAY
						10--		Boring extended to 10' depth. Perched water bearing layer encountered at 9'.
						15--		
						20--		
						25--		

DRILLING CONTRACTOR	ESN
DRILLING METHOD	Geoprobe
SAMPLING EQUIPMENT	Stainless spoon and bowl
DRILLING DATE	October 24, 2013
SURFACE ELEVATION	
DATUMS	

Location Sketch



Not to Scale



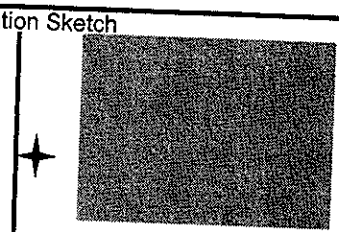
Stratum Group

BOREHOLE NUMBER	B5
PROJECT	View Ridge Plaza
LOCATION	220 Olympic Boulevard
PROJECT NUMBER	9.30.13
LOGGED BY	Kim Ninnemann

SAMPLE INFORMATION						Depth (ft)	STRATA	DESCRIPTION
Sample ID	Blow Counts	Sample Depth (ft)	Discolor-ation	Sheen	Odor			USCS group name, color, grain size range, minor constituents, plasticity, odor, sheen, moisture content, texture, weathering, cementation, geologic interpretation, etc.
							GP	2" asphalt with sandy gravel base
							ML/ SP	Brown to grey moist sandy SILT to silty SAND. Soil becomes wet toward 8' depth.
						5--		
						10--	ML	Damp compact tan to grey SILT
								Boring extended to 10' depth. Perched water bearing layer encountered at 8-9'.
						15--		
						20--		
						25--		

DRILLING CONTRACTOR	ESN
DRILLING METHOD	Geoprobe
SAMPLING EQUIPMENT	Stainless spoon and bowl
DRILLING DATE	October 24, 2013
SURFACE ELEVATION	
DATUMS	

Location Sketch



N

Not to Scale