APPENDIX B

PHASE I ENVIRONMENTAL SITE ASSESSMENT 49 L STREET SE

June 2003

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ABBREVIATIONS AND ACRONYMS

ACM	Asbestos Containing Material
ASTM	American Society for Testing Materials
AST	Above Ground Storage Tanks
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Act
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
GSA	General Services Administration
LQG	Large Quantity Generators
LUST	Leaking Underground Storage Tank
NPL	National Priorities List
NGVD	National Geodetic Vertical Datum
OCPCASES	Oil Control Program Cases
PCB	Polychlorinated biphenyl
RCRIS	Resource Conservation and Recovery Information System
SHWS	Notice of Potential Hazardous Waste Sites
SQG	Small Quantity Generator
SWRCY	The Recycling Directory
SWF/LF	Permitted Solid Waste Disposal Facilities
TSD	Treatment, Storage, and Disposal
UST	Underground Storage Tank
VCP	Voluntary Clean-up Program

1.0 Executive Summary

Greenhorne & O'Mara, Inc. (G&O) has completed a Phase I Environmental Site Assessment (ESA) for the 49 L Street SE property in Washington, DC. The study consisted of a records review of historical and regulatory information and a site inspection to identify potential recognized environmental conditions associated with the property. Recognized environmental conditions may include the presence or likely presence of hazardous substances or petroleum products under conditions that may indicate an existing or potential release to the environment.

The 49 L Street SE property is bordered to the north by L Street SE; to the south by a Sunoco Station; to the west by Half Street SE; and to the east by Cushing Place. The Southeast Freeway (I-395) is located approximately 1,300 feet north of the site and South Capitol Street is located approximately 500 feet west of the site.

The 49 L Street SE property, owned by the U.S. Government, consists of a 33,455 square foot warehouse building with most of the usable area located on one main floor. Historical research indicated that the building was constructed in 1926. It was used as a gun depot in the 1930's and as a motor pool/auto service garage in the 1960's. When GSA started servicing government vehicles through outside contracts, the building was vacated for a time period. Since at least 1959, the abutting property to the south was occupied by a filling station. Historically, land use in the site vicinity was mostly industrial; however, commercial and office use has become more prominent in more recent years.

The site inspection revealed that the building is now occupied by the Department of Defense Office of Special Events. It is used for the storage of communication equipment. Although no automotive repair is currently performed on the premises, the building still has floor drains and garage bays. No hydraulic lifts or maintenance pits were observed to be present at this time. Examination of the floor slab for evidence of former lift systems was limited by vehicles and items in storage.

Based on GSA file review information, the building had been previously surveyed for asbestos containing materials (ACMs), radon, and drinking water quality. The following is a summary of available site information for these and other potential issues of concern:

- Asbestos - A previous building survey identified asbestos only in pipe insulation. Subsequently, some of the pipe insulation was improperly removed and deposited in an on-site dumpster. Asbestos debris was observed on the premises. To further investigate the matter, air sampling was performed in the building. All air sampling performed on the site revealed fiber counts below regulatory standards. The GSA file information did not contain any records documenting abatement projects in the building. Asbestos may still be present on the site.

- Radon - For the radon studies, two independent surveys revealed radon levels below EPA recommended action levels.

- Water Quality - Drinking water samples collected from the site during previous surveys exhibited high levels of lead, turbidity, and iron. A drinking water

fountain was subsequently installed and water collected from the fountain was sampled. None of the parameters included for analysis exhibited concentrations above EPA standards.

- PCBs – No transformers were observed inside the building. During the Phase I ESA study, however, fluorescent light fixtures were observed throughout the building. PCBs may be present in the light ballasts of existing fluorescent light fixtures and mercury may be present in the fluorescent light bulbs. Based on interview information, however, outside contractors are reportedly responsible for the proper removal, disposal, and replacement of spent electrical ballasts and fluorescent light bulbs.

- Underground Storage Tanks – Based on the historical research and site observations, there was no evidence to suggest the presence of underground storage tanks.

- Lead-Based Paint – Based on file information, no surveys for lead-based paint have been performed in the building.

In the current ASTM standards, the presence of asbestos containing materials, PCB light ballasts, mercury-containing lamps and potential lead-based paint are designated to be "non-scope considerations," and would therefore not constitute recognized environmental conditions. However, the former use of the facility as an automotive repair garage may constitute a recognized environmental condition. It is not known whether hydraulic lifts or maintenance pits were formerly present and whether waste disposal practices employed during those years may have resulted in a release of petroleum to the environment. Subsurface investigation would be required to make this determination.

The conclusions and recommendations presented in this report are based upon data obtained and evaluated for the Phase I assessment. This report has been prepared in accordance with generally accepted scientific practices; no other warranty, expressed or implied, is made.

2.0 Introduction

2.1 Purpose of Investigation

Past contamination of property by hazardous materials, hazardous wastes, petroleum products or other contaminants creates potential for liability with respect to site remediation and possible civil and/or criminal penalties. Greenhorne & O'Mara, Inc. (G&O) was contracted by the General Services Administration to perform a Phase I Environmental Site Assessment (ESA) of the 49 L Street property in Washington, DC.

A Phase I ESA investigation includes a site inspection to assess the physical characteristics of the site and surrounding area to identify observable evidence of contamination; historical research and informal interviews with persons knowledgeable of the site and area; the review of regulatory databases and relevant environmental records; and the preparation of the report with findings and recommendations. The purpose of the investigation is to identify previous and existing activities on or near the site that could potentially constitute a recognized environmental condition. A Phase I study is conducted to identify potential problem areas and to determine the appropriate level of any subsequent studies that may be required.

A Phase II ESA typically consists of a more intensive records search with site-specific qualitative/quantitative sampling and analysis of air, soils, sediment, and/or water (surface and/or groundwater), as appropriate. The sampling and analysis conducted during a Phase II ESA can confirm the presence, identity, and concentration of contaminants, providing data that are used to decide whether site remediation is necessary. This report is the result of a Phase I records search and site assessment only, and did not involve environmental sampling and analyses of any media (air, solids, or liquids) from the site.

The 49 L Street property (hereafter also referred to as "the property", "the site" or the "subject site") is located south of L Street, SE, east of Half Street SE, and west of Cushing Place in Washington, D.C. The site location is shown on Figure 1 and the site layout is shown on Figure 2.

2.2 Scope of Investigation

This assessment was conducted and the report prepared in accordance with the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation: E-1527-00.* This Phase I ESA report was prepared for, and may be relied upon by the General Services Administration. Specifically, the scope of services for this Phase I ESA consisted of the following:

Historical Research

A historical evaluation was performed for the site, which consisted of a review of available information regarding historical ownership and previous uses and activities conducted on the site. Historical sources typically used for Phase I ESA's include deed records, historical maps and aerial photographs of the site and vicinity, and informal interviews with persons having first-hand knowledge of the site. This evaluation was performed to determine whether the site has ever been owned or used by any entities

that may have manufactured, used, stored, disposed of, or otherwise may have been involved with hazardous substances or other potential contaminants on or near the property.

Physical Setting Characterization

A review of existing data was performed to characterize geology, topography, soils, and surface and subsurface hydrology for the area. This information is used to evaluate the potential for migration of site contaminants via shallow groundwater and surface water flow. The sources reviewed for soil and geological data include the various published reports and/or maps from geological and hydrological studies conducted in the area.

Site Reconnaissance

An inspection of the property was conducted to characterize the property and to identify potential recognized environmental conditions. Evidence of such conditions could include active or former refuse dump sites, unusual excavated or filled areas, areas exhibiting discolored soils and/or vegetative stress, discolored surface water, areas exhibiting noticeable odors, and the presence of underground storage tanks (USTs), unusual discarded drums or containers, and any other suspicious materials. Nearby properties were also visually scanned for such evidence.

Regulatory Database Review

Regulatory database information was obtained from a commercial vendor, Environmental Data Resources, Inc (EDR). The database search included the following:

- Research and review of available information from the Federal ASTM Standard databases including: the U.S. Environmental Protection Agency (EPA) National Priorities List (NPL); the Proposed NPL; the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); the CERCLIS No Further Remedial Action Planned (CERC-NFRAP); the Corrective Action Report (CORRACTS); the Resource Conservation and Recovery Information System (RCRIS); and the Emergency Response Notification System (ERNS).

- Research and review of available information from the State (District of Columbia) ASTM Standard databases including: the Registered Underground Storage Tank List (UST); and, the Leaking Underground Storage Tank List (LUST).

- Supplemental federal, state and local databases were also searched. The full list of databases searched and the complete database report is provided in Appendix A.

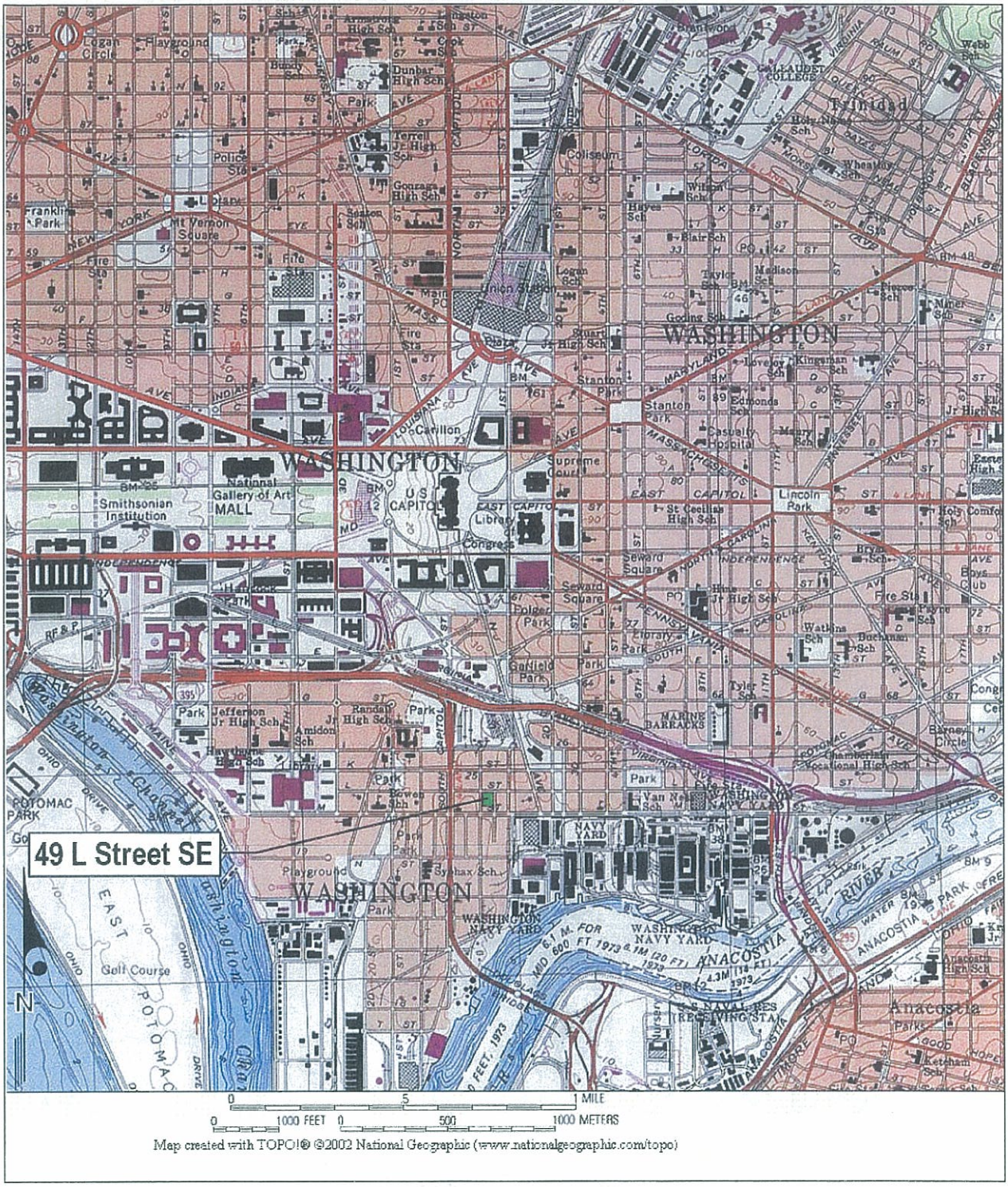

Figure 1 – USGS Map with site boundaries shown
Source: USGS Topographic Map; Washington West, D.C.-MD.-VA., Photorevised 1983.

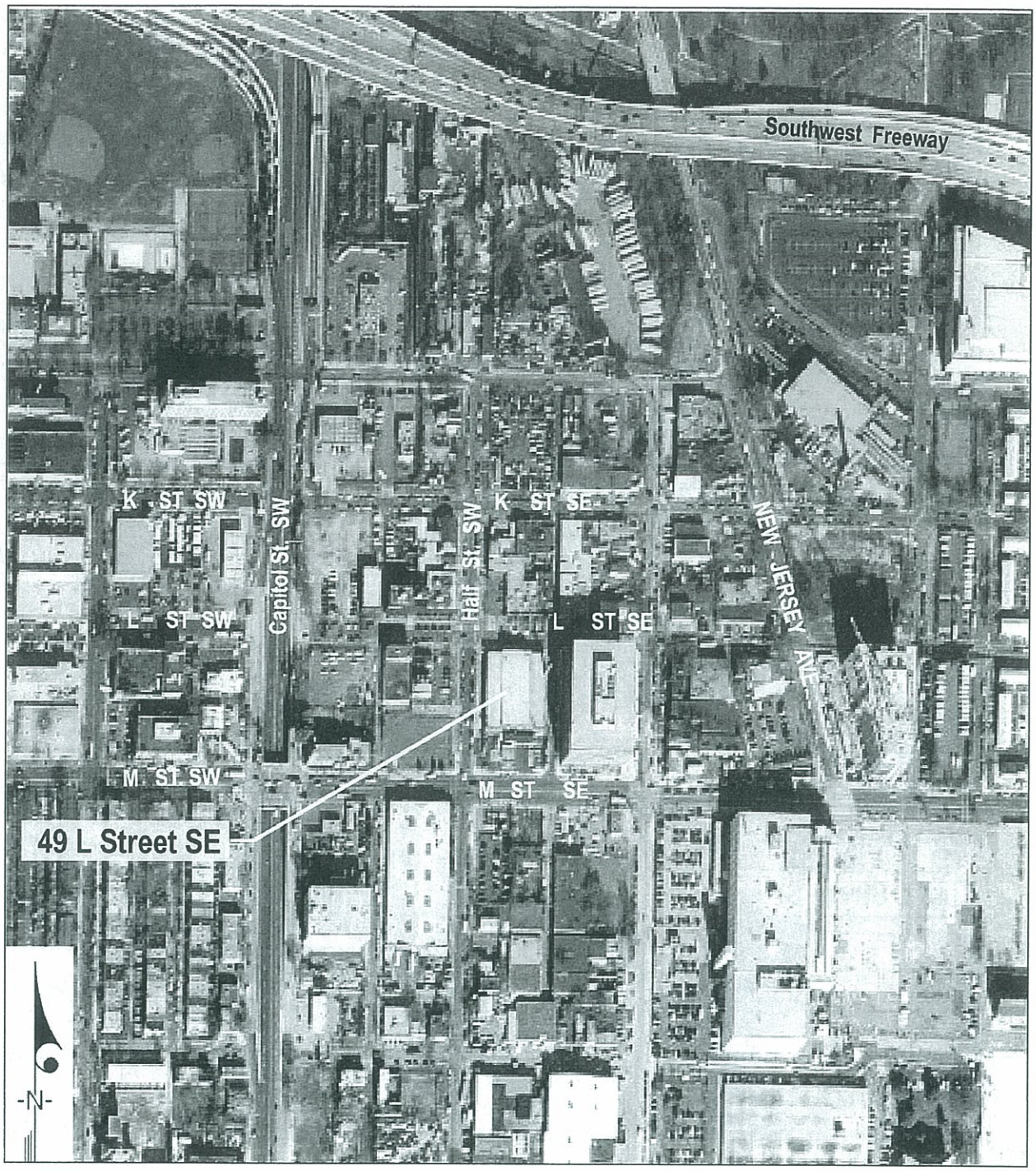

Figure 2 – Site Layout Map
Source: 2002 M-NCPPC

3.0 Site Overview

The 49 L Street SE property consists of a 33,455 square foot warehouse building, 32,013 square feet of which is rentable space. The building is constructed of brick and block, with poured concrete floors. It has two levels of flat roofs consisting of membrane systems on structural concrete decking. Drain troughs, 8 inches wide, run along the full length of the building.

The on-site building, constructed in the mid-1920's, is currently occupied by the Department of Defense Office of Special Events. It is used for the storage of communication equipment. Currently, two employees are present at the site on a daily basis.

The 49 L Street SE site is located in what was formerly an industrial-use area of the Southeast quadrant of Washington, DC. It is bordered to the north by L Street SE; to the south by a Sunoco Station; to the west by Half Street SE; and to the east by Cushing Place. The Southeast Freeway (I-395) is located approximately 1,300 feet north of the site and South Capitol Street is located approximately 500 feet west of the site.

The subject property is located within zip code area 20003. The geographic coordinates of the site are approximately 38° 52' 39" North latitude and 77° 0' 26.6" West longitude. The site is situated within Square 699 of Washington, D.C.

The property is considered transitional in terms of real estate redevelopment, from industrial to office use. According to the District of Columbia Office of Zoning, the site is zoned C-3-C, which is Commercial, major business and employment center, high bulk. This zone allows a high percentage of commercial use.

4.0 Site Background / Operating History

4.1 Current and Prior Ownership and Property Use

No chain-of-title information for the subject property was provided to G&O for review or inclusion in this report. However, in an interview conducted on June 3, 2003, Raymond Bradshaw of GSA provided some background information related to ownership and historical use.

The site is owned by the U.S. Government. The on-site building was constructed in 1926. It was used as a gun depot in the 1930's and as a motor pool/auto service garage in the 1960's. When GSA started servicing government vehicles through outside contracts, the building was vacated for a time period. Since around 1991, the building has been occupied by the Department of Defense Office of Special Events. It is currently used for the storage of communication equipment. Examples of special events include sporting events and presidential inaugurations. The Park Police occupied offices in the building from 1999 to 2001. No automotive repair is currently performed on the premises. According to Mr. Bradshaw, GSA ownership extends only 3 feet outside the building footprint.

4.2 Review of Aerial Photographs

Aerial photographs of the site, obtained from the EDR Aerial Photography Print Service, were reviewed to determine the historic land use on the site and vicinity. Aerial photographs, dated 1957, 1980, and 1988, were reviewed. The aerial photographs are provided in Appendix B; a summary of the identifiable features from the aerial photographs is presented below.

- 1957 – The on-site building appears in the photograph as does the office building to the east and the commercial buildings to the north, south, and west. The configuration of the service station just south of the site can be identified in the image.

- 1980 – Buildings are visible in the site vicinity; however, due to the scale and quality of the photograph, detailed site features can not be readily identified.

- 1988 – Buildings are visible in the site vicinity; however, due to the scale and quality of the photograph, no detailed site features could be observed.

In summary, the historical aerial photographs reveal that the subject building and surrounding area was already developed in the late 1950's.

4.3 Review of City Directories / Historical Fire Insurance Maps

Sanborn Maps, dated 1904, 1928, 1959, 1977, 1984, 1988, 1990, 1991, 1992, and 1994 were available for the area covering the subject property. The Sanborn Maps are provided in Appendix C; a summary of the identifiable features is presented below.

- 1904 – The subject property and most of Square 699 appears to be vacant. However, several row-houses are shown on Cushion Court, M Street SE, and on

One-Half Street SE. Most row-houses are used as residences but a few are commercial. The property to the north is a brickyard.

- 1928 – The on-site building is shown on the map and labeled "U.S. Government Garage." A notation indicates the use of steam heat. Some of the row-houses are still present within Square 699; a service station is now mapped on the eastern half of the square. The property to the north is mostly vacant land.

- 1959 – A filling station is now shown on the adjoining property to the south of the site. Land use to the north is mixed commercial with several trades shops. The label on the site now also refers to "Auto Repair." The eastern half of Square 699 has an Auto Sales and Service facility.

- 1984 to 1988 – A boiler shop is shown on the property to the northwest and a bus parking lot on the property to the west.

- 1990 to 1994 – Cushion Court now extends from L Street to M Street SE.

In summary, the Sanborn Maps revealed that the 49 L Street SE building was constructed prior to 1928 and used as a U.S. Government Garage and Auto Repair Shop throughout most of the site history. Since at least 1959, the abutting property to the south has been occupied by a filling station. Historically, land use in the site vicinity was mostly industrial; however, commercial and office use have become more prominent in more recent years.

4.4 Previous Reports

A review of existing files pertaining to the building was performed at the GSA Safety and Environmental Health Branch office in Washington, D.C. Documentation obtained from this file review is provided in Appendix D.

The file review revealed that surveys for asbestos containing materials (ACMs), radon, and drinking water quality have been performed at the site. The following summarizes the available file information.

- Asbestos –
  1. In July of 1986, OMC performed an asbestos survey of 49 L Street SE. ACMs were found in the following locations: a network of pipes running along the walls which turn horizontal across the warehouse; elbow mud on the same pipes, two riser pipes against the wall; and horizontal pipe located in the cellar boiler room.
  2. In December of 1986, Biospherics Incorporated conducted a fiber-in-air survey of the building. None of the 13 air samples collected exhibited fiber counts above the National Institute of Occupational Safety and Health (NIOSH) recommended level of concern.
  3. In May of 1989, OMC performed air sampling at four locations. None of the samples collected exceeded the NIOSH level of concern.
  4. In January of 1991, OMC conducted bulk sampling of suspect ACM pipe insulation and debris in and around a construction dumpster located inside the building. Asbestos was detected in the pipe fitting cement and pipe fitting debris.

5. In January of 1991, OMC conducted both bulk and air sampling within the building to determine the extent of contamination from the improper disposal of the asbestos debris previously identified in the on-site dumpster. The results of the air sampling revealed that all the air samples collected met NIOSH recommended limits. However, due to observations of visible asbestos debris, OMC recommended that the entire warehouse, the main storage areas, and all items stored in them be de-contaminated.
6. In January of 1994, an Asbestos Operations and Maintenance Plan was prepared for the building.

- Radon - In July of 1989, OMC completed a radon survey of the building in which six radon samples were collected from the basement and first floor levels. The results of the survey showed that none of the samples exhibited radon levels above EPA's recommended action level for indoor air. In March of 1994, AMA completed a radon survey where two 90-day samples were collected for analysis. Neither of these samples exhibited radon concentrations above EPA's recommended thresholds.

- Lead in Drinking Water –
  1. In January of 1988, a lead in drinking water study was performed by OMC. The study included the collection of 16 samples from potential drinking water sources in the building. The analytical results of the study identified five samples with lead concentrations above EPA's Maximum Contaminant Level for drinking water.
  2. In June of 1991, OMC conducted water quality sampling for other parameters, including turbidity, iron, bacteria, and total residual chlorine. All of the turbidity samples exceeded EPA's Primary Drinking Water Standard, and one of the iron water samples exceeded EPA's Secondary Drinking Water Standard.
  3. In July of 1991, additional samples were collected for lead analysis. The results showed that only the 1st draw water sample exhibited lead above EPA's standards. For the 1st draw sample, the system had not been flushed for 12 hours.
  4. In October of 1991, Biospherics Incorporated retested water from the utility sink for turbidity and iron. The results showed turbidity levels above standards but iron level below EPA standards.
  5. In September of 1999, Tidewater, Inc. collected two water samples, including 1st and 2nd draw samples from a cold water fountain. The first sample was collected without flushing the system and the second after it had been flushed for five minutes. The samples were analyzed for copper, iron, lead, and turbidity. The results showed that none of the parameters exceeded EPA action levels.

In summary, a previous building survey identified asbestos only in pipe insulation. Subsequently, some of the pipe insulation was improperly removed and deposited in an on-site dumpster. Asbestos debris was observed on the premises. To further investigate the matter, air sampling was performed in the building. All air sampling performed on the site revealed fiber counts below regulatory standards. The GSA file information did not contain any records documenting abatement projects in the building. Asbestos may still be present on the site.

For the radon studies, two independent surveys revealed radon levels below EPA recommended action levels. For the water quality studies, drinking water samples collected from the site during previous surveys exhibited high levels of lead, turbidity, and iron. A drinking water fountain was subsequently installed and water collected from the fountain was sampled. None of the parameters included in the analysis exhibited concentrations above EPA standards.

5.0 Environmental Setting

5.1 Topography and Drainage

According to the USGS topographic map for the area (USGS 7.5-minute Topographic Quadrangle Map, Washington West, D.C., MD, VA), the surface elevation of the site is approximately 25 feet above National Geodetic Vertical Datum (NGVD). The site drains in a southerly direction towards the Anacostia River, which is approximately ½ south of the site.

The FEMA Flood Insurance Rate Map shows that the site is located in Zone C, an area of minimal flooding. There are no surface water features or wetlands on the property.

5.2 Geology and Soils

According to the soil survey for District of Columbia, the north–northeast trending fall line separates the Piedmont Physiographic Province in the western 1/3 of the District from the Coastal Plain Province in the eastern two-thirds of the District. The Piedmont part of the District is underlain by old metamorphosed, igneous and sedimentary rocks, and the Coastal Plain is underlain by younger, poorly consolidated sediment. According to a geologic map of the area, the site is underlain by alluvium and artificial fill.

The soils on the subject site are identified as Urban Land. Urban Land consists of areas where more than 75 percent of the surface is covered by asphalt, concrete, buildings, or other structures. Slopes are nearly level to moderately sloping.

Surface water flow in the vicinity of the site is directed to a storm drain system. The direction of shallow groundwater flow is expected to reflect the overlying topography and would therefore flow in a southwesterly direction. Deeper aquifers beneath the project area are controlled by the underlying geologic structure and attitude of the aquifer formations and may reflect differing flow patterns.

6.0 Site Inspection

6.1 Site Observation and Inquiries

G&O performed a site inspection on June 3, 2003 to identify and characterize site conditions including current usage, topography, ground cover, structures and surface hydrology, and to identify any potential recognized environmental conditions associated with the property. Raymond Bradshaw and Alwyn Sharples of GSA accompanied G&O during the site inspection. Photographs of the site are included in Appendix E. The site inspection revealed the following:

The 49 L Street SE property consists of a large warehouse building with most of the usable area on the main floor. A basement level houses a small storage area and mechanical spaces. Small second floor areas contain only restrooms. Building materials include structural steel beams, brick and block walls, and poured concrete floors. The building exterior is unpainted brick.

The building was formerly used as an automotive repair garage. Floor drains run along the full length of the building. Also, a garage door is present along L Street SE, and a ramp and several garage bays are present along Half Street SE. Several vehicles are currently parked inside the building. No hydraulic lifts or maintenance pits were currently present. Examination of the floor slab for evidence of former lift systems was limited by vehicles and items in storage.

Currently, the contents of the building include: boxes of documents and reports; safety equipment (vests, flashlights, etc.); office supplies (fax machines, telephones, computers, etc.); shipment cases; communication equipment; and surveillance equipment. Items are stored on shelves, on palettes, or on the floor.

6.2 Above-Ground Storage Tank / Underground Storage Tank Systems

No evidence of above-ground storage tanks (ASTs) or underground storage tanks (USTs) was observed on the property during the site inspection. Also, no evidence of ASTs or USTs was uncovered during the historical or regulatory file review process. The building is currently heated with natural gas.

6.3 PCB-Containing Equipment and Mercury Lamps

Based on interviews and site observations, no electrical transformers were noted inside the building. Electrical power is provided via transformer equipment located outside the building footprint.

Many fluorescent light fixtures were observed throughout the building. Fluorescent light fixtures typically have electrical ballasts which contain small quantities of insulating fluid. Light ballasts manufactured prior to 1978 are likely to contain PCB's. Also, fluorescent lamps are known to contain small amounts of mercury vapor. According to site personnel, outside contractors are responsible for the proper removal, disposal, and replacement of the electrical equipment.

During the site inspection, it was noted that boxes of new low-mercury fluorescent lamps had been delivered to the site and were on the storage room floor. Reportedly, at some

point, the replacement of the older fluorescent light bulbs with the new ones is planned. As mentioned above, on-site personnel do not perform this work.

6.4 On-Site Regulated Substance Identification

Small containers of paint, de-icer, anti-freeze coolant, glass cleaner, transmission fluid, and other automotive and cleaning supplies were noted on wooden shelves in a storage room. These materials were in small containers, similar to those packaged for general consumer use.

In addition, a flammable materials storage area was noted inside the building. Among the items stored on the concrete pad in this area were 6 empty gas cans and 8 canisters of LP gas used to operate the forklift.

Other than the small quantities noted above, no evidence of regulated substance use, storage, or disposal was noted on the property. No evidence was found to suggest that the site has been used for the improper disposal of drums or other suspect containers.

6.5 Asbestos-Containing Materials

Suspect ACMs identified during the site inspection included: 2' x 2' ceiling tiles, 2' x 4' ceiling tiles, and 1' x 1' floor tiles. Further information on ACMs is provided in Section 4.4.

6.6 Area Reconnaissance

Several nightclubs and restaurants are located north of the site, across L Street SE; a 7-story office building is located just east of the site, across Cushing Place; and a WMATA facility is located just west of the site, across Half Street SE. A Sunoco Station abuts the property to the south.

7.0 Regulatory Database Review

EDR of Southport, Connecticut provided information from the Federal and State (District of Columbia) databases listed in Section 2.2. A copy of the EDR report is provided in Appendix A. Results of the review identified the following regarding properties within the requested search radii specified by ASTM Standards:

- **NPL -** One NPL facility was identified within a 1-mile radius of the site. The Washington Navy Yard NPL facility, located approximately ¾ -mile to the southeast, is located downgradient of the subject property with respect to the expected direction of groundwater flow. It has a very low potential to adversely impact the subject property.

- **Proposed NPL -** No Proposed NPL facilities were identified within a 1-mile radius of the site.

- **CERCLIS -** One CERCLIS facility was identified within a ½ -mile radius of the site. The CERCLIS facility was identified as the Southeast Federal Center (GSA), located at 2nd and M Street, SW, approximately 1/3-mile WSW of the subject site. The current CERCLIS site status is not reported. The facility assessment history indicates that discovery was completed in 1998. Further investigation and corrective action is indicated. Due to the distance and topographic relationship, the CERCLIS facility is not anticipated to impact the subject property.

- **CERC-NFRAP -** One CERC-NFRAP facility was identified within a ¼-mile radius of the site. The James T. Warring & Sons, Inc. facility is located at 1321 S. Capitol Street, approximately ¼-mile SSW of the subject property. The assessment history indicates that the Discovery and Preliminary Assessment were performed in 1979 and a Site Inspection was carried out in 1980 before the site was designated an archive site with no further action. Due to the distance, topographic relationship and regulatory status of the James T. Warring & Sons, Inc. facility, no impact to the subject property is anticipated.

- **CORRACTS -** Two CORRACTS facilities were identified within a 1-mile radius of the site. These include the Washington Navy Yard and the Southeast Federal Center facilities, discussed above under the NPL and CERCLIS database facility summaries, respectively.

- **RCRIS TSD, SQG and LQG** – No RCRIS Treatment, Storage, or Disposal (TSD) facilities were located within a ½-mile radius of the site. No RCRIS Large Quantity Generator facilities or RCRIS Small Quantity Generator facilities were identified for the subject property address or for adjoining properties. A total of 29 RCRIS Small Quantity Generator facilities and a total of 2 RCRIS Large Quantity Generator facilities were identified within the ASTM standard ¼-mile radius of the subject property. Due to the distance, topographic relationship and/or regulatory status, none of the identified RCRIS facilities are anticipated to impact the subject property. A complete listing of RCRIS Small Quantity Generators (SQG) and RCRIS Large Quantity Generators (LQG) is presented in Appendix A. Listings for RCRIS SQG and LQG facilities located within 500 feet of the subject property are summarized in the table below:

Table 1 - RCRIS SQG and LQG Facilities within 500 feet

Dir.	Dist. (ft)	Facility ID and Address	Classification	Comments
S	Abutting	Sunoco Station 50 M Street SE	SQG	Generator recordkeeping violation in 1992
W	88	Momen Auto 37 L Street SE	CE SQG	No violations found
NNW	352	DC Foreign Car Service 31 K Street SE	CE SQG	No violations found
NNW	352	P&K Auto Repair 32 K Street SE	CE SQG	No violations found
SSE	447	Plymouth Printing Service 1201 Cushing Place SE	CE SQG	Pre-transport violations. Compliance achieved.
SW	498	WMATA 17 M Street SE	SQG and LQG	Recordkeeping violations in 1990, 1992 and 1994

- **ERNS** - No ERNS facilities were identified within the property boundaries or in the immediate vicinity.

- **UST** – The site address is not listed in the UST database. The database identifies 11 UST facilities within a 1/8-mile radius and an additional 16 within a ¼-mile radius of the site. Table 2 identifies the distance and relative map direction of the closest UST sites (within 500 feet) along with the facility name/address and the regulatory status of each UST case. The Sunoco Station, located just south of the site, is the closest UST case. A release from this facility could potentially impact the site; however, the Sunoco Station is currently not listed on the LUST database.

- **LUST** – The site address is not listed in the LUST database. Neither is any abutting or immediately adjacent property. A total of 9 LUST cases were identified within a ¼ mile radius of the subject property. A total of 18 LUST cases were identified within a ½ mile radius. Table 2 identifies the distance and relative map direction of the closest LUST sites (within 500 feet) along with the facility name/address and the regulatory status of each LUST case. A complete listing of identified UST facilities is presented in Appendix A. Due to distance, topographic relationship and/or regulatory status, none of the identified LUST facilities is anticipated to impact the project site.

Table 2 – UST/LUST Facilities

Dir.	Dist. (feet)	Facility ID and Address	Database	Comments
S	Abutting	Sunoco Station 50 M Street SE	UST	Active gasoline station. Not listed as LUST.
W	51	Chilled Water Plant 41 L Street SE	UST	No further information provided in database
E	78	Tracks Night Club 57 L Street SE	UST	No further information provided in database
N	269	GE Harley Machine & Boiler Work 1015 Half Street SE	UST	No further information provided in database
SSE	286	PEPCO Half/M Streets SE	UST/LUST	Case is closed
NNW	352	DC Foreign Car Service 31 K Street SE	UST	No further information provided in database

Dir.	Dist. (feet)	Facility ID and Address	Database	Comments
SSE	429	Barlow & Wagoner 1201 Cushing Place SE	UST	No further information provided in database
SW	498	WMATA Southeastern Garage 17 M Street SE	UST/LUST	LUST case established in 1992 and remains open. Not upgradient of subject property

8.0 Conclusions and Recommendations

The conclusions and recommendations presented in this report are based upon data obtained and evaluated for the Phase I Environmental Site Assessment. This report has been prepared in accordance with generally accepted scientific practices; no other warranty, expressed or implied, is made.

The scope of work for the Phase I ESA investigation included historical research; site reconnaissance; and a review of physical setting data, regulatory database information, and relevant environmental records. The purpose of the investigation was to identify previous and existing activities on or near the site that could potentially constitute a recognized environmental condition.

The 49 L Street SE property, owned by the U.S. Government, consists of a 33,455 square foot warehouse building with most of the usable area located on one main floor. Historical research indicated that the building was constructed in 1926. It was used as a gun depot in the 1930's and as a motor pool/auto service garage in the 1960's. When GSA started servicing government vehicles through outside contracts, the building was vacated for a time period. Since at least 1959, the abutting property to the south was occupied by a filling station. Historically, land use in the site vicinity was mostly industrial; however, commercial and office use have become more prominent in more recent years.

The site inspection revealed that the building is now occupied by the Department of Defense Office of Special Events. It is used for the storage of communication equipment. Although no automotive repair is currently performed on the premises, the building still has floor drains and garage bays. No hydraulic lifts or maintenance pits were observed to be present at this time. Examination of the floor slab for evidence of former lift systems was limited by vehicles and items in storage.

Based on GSA file review information, the building had been previously surveyed for ACMs, radon, and drinking water quality. The following is a summary of available site information for these and other potential issues of concern:

- Asbestos - A previous building survey identified asbestos only in pipe insulation. Subsequently, some of the pipe insulation was improperly removed and deposited in an on-site dumpster. Asbestos debris was observed on the premises. To further investigate the matter, air sampling was performed in the building. All air sampling performed on the site revealed fiber counts below regulatory standards. The GSA file information did not contain any records documenting abatement projects in the building. Asbestos may still be present on the site.

- Radon - For the radon studies, two independent surveys revealed radon levels below EPA recommended action levels.

- Water Quality - Drinking water samples collected from the site during previous surveys exhibited high levels of lead, turbidity, and iron. A drinking water fountain was subsequently installed and water collected from the fountain was sampled. None of the parameters included for analysis exhibited concentrations above EPA standards.

- PCBs – No transformers were observed inside the buildings. During the Phase I ESA study, however, fluorescent light fixtures were observed throughout the building. PCBs may be present in the light ballasts of existing fluorescent light fixtures and mercury may be present in the fluorescent light bulbs. Based on interview information, however, outside contractors are reportedly responsible for the proper removal, disposal, and replacement of spent electrical ballasts and fluorescent light bulbs.

- Underground Storage Tanks – Based on the historical research and site observations, there was no evidence to suggest the presence of underground storage tanks.

- Lead-Based Paint – Based on file information, no surveys for lead-based paint have been performed in the building.

In the current ASTM standards, the presence of asbestos containing materials, PCB light ballasts, mercury-containing lamps and potential lead-based paint are designated to be "non-scope considerations," and would therefore not constitute recognized environmental conditions. However, the former use of the facility as an automotive repair garage may constitute a recognized environmental condition. It is not known whether hydraulic lifts or maintenance pits were formerly present and whether waste disposal practices employed during those years may have resulted in a release of petroleum to the environment. Subsurface investigation would be required to make this determination.

Prior to any renovation or demolition activities, it is recommended that all remaining asbestos containing materials should be identified and properly abated. In addition, any potential lead-based paint hazards should be identified and properly managed, and any potential PCB-containing light ballasts and mercury-containing lamps should be properly recycled or disposed. A limited Phase II ESA investigation of soil and groundwater is recommended in order to determine whether impacts to the subsurface have occurred as a result of previous site use activities.

EA = Phase II Soil

9.0 References

U.S. Department of Agriculture, Soil Conservation Service, Soil Survey, Montgomery County, Maryland, 1995.

U.S. Department of the Interior, Geological Survey, Washington West, D.C. MD, VA Quadrangle Map, 7.5 Minute Series (Topographic-Bathymetric), 1965, Photorevised 1983.

Attachment A

Regulatory Database Report

The EDR Radius Map
with GeoCheck®

GSA Building
49 L Street, SE
Washington, DC 20003

Inquiry Number: 0986217.3s

May 30, 2003

Environmental Data Resources, Inc.

***The* Source For Environmental Risk Management Data**

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-SIL

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

49 L STREET, SE
WASHINGTON, DC 20003

COORDINATES

Latitude (North):	38.877500 - 38˚ 52' 39.0"
Longitude (West):	77.007400 - 77˚ 0' 26.6"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	325864.3
UTM Y (Meters):	4304890.0
Elevation:	23 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	2438077-H1 WASHINGTON WEST, DC MD VA
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

Proposed NPL..... Proposed National Priority List Sites
RCRIS-TSD..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees

EXECUTIVE SUMMARY

ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
FINDS..... Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... List of Aboveground Storage Tanks

EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 01/29/2003 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WASHINGTON NAVY YARD	*1014 N STREET SE SUITE*	*1/2 - 1 ESE*	*72*	*41*

EXECUTIVE SUMMARY

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).
CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 03/19/2003 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
SOUTHEAST FEDERAL CENTER (GSA)	*2ND AND M ST., SW*	*1/4 - 1/2 WSW*	*S66*	*36*

CERCLIS-NFRAP: As of February 1995. CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 03/19/2003 has revealed that there is 1 CERC-NFRAP site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
JAMES T WARRING & SONS INC	*1321 S CAPITOL ST*	*1/8 - 1/4 SSW*	*R60*	*33*

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/31/2003 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WASHINGTON NAVY YARD	*1014 N STREET SE SUITE*	*1/2 - 1 ESE*	*72*	*41*

Lower Elevation	Address	Dist / Dir	Map ID	Page
SOUTHEAST FEDERAL CENTER (GSA)	*2ND AND M ST., SW*	*1/4 - 1/2 WSW*	*S66*	*36*

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 09/09/2002 has revealed that there are 2 RCRIS-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WMATA SOUTHEASTERN DIVISION	*17 M ST SE*	*0 - 1/8 SW*	*E16*	*11*

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
US NATIONAL PHOTO INTRTPRETATI	*1ST & M ST SE*	*0 - 1/8 ESE*	*26*	*16*

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 09/09/2002 has revealed that there are 29 RCRIS-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MOMEN AUTO	*37 L STREET SE*	*0 - 1/8 W*	*A3*	*5*
DC FOREIGN CAR SERVICE	*31 K STREET SE*	*0 - 1/8 NNW*	*B7*	*6*
P & K AUTO REPAIR	*32 K STREET SE*	*0 - 1/8 NNW*	*B8*	*7*
SUNOCO SERVICE STATION	*50 M ST SE*	*0 - 1/8 S*	*C10*	*8*
PLYMOUTH PRINTING SERVICE	*1200 CUSHING PLACE SE*	*0 - 1/8 SSE*	*D13*	*9*
WMATA	*17 M ST SE*	*0 - 1/8 SW*	*E15*	*10*
HOLIDAY CAB	*1007 1ST ST SE*	*0 - 1/8 NE*	*F17*	*12*
ECONO AUTO	*1004 FIST ST SE*	*0 - 1/8 NE*	*F18*	*13*
A B C ELECTRIC MOTOR SERVICE	*115 L ST SE*	*0 - 1/8 E*	*19*	*13*
DC EXPRESS CAB ASSOCIATION	*1235 CUSHING PLACE SE*	*0 - 1/8 SSE*	*22*	*14*
HOLIDAY CAB	1007 B 1ST STREET SE	0 - 1/8 NE	F27	17
MERITT AUTO SERVICE CENTER	*925 1ST ST SE*	*1/8 - 1/4 NE*	*I30*	*19*
GEORGETOWN VALET	*1215-E SOUTH CAPITOL*	*1/8 - 1/4 SW*	*H31*	*20*
HTT INC	*1029 NEW JERSEY AVE SE*	*1/8 - 1/4 ENE*	*39*	*23*
BRAKE SERVICE CO	*1318 HALF STREET SE*	*1/8 - 1/4 S*	*P55*	*31*
JAMES T WARRING & SONS INC	*1321 S CAPITOL ST*	*1/8 - 1/4 SSW*	*R60*	*33*
WARRING, JAMES T SONS INC	*1330 S CAPITOL ST SE*	*1/8 - 1/4 SSW*	*R61*	*33*

Lower Elevation	Address	Dist / Dir	Map ID	Page
EXXONMOBIL CORP #25381	*950 SOUTH CAPITOL ST SE*	*0 - 1/8 NW*	*G21*	*14*
EXXON CO USA RAS#25055	*1001 S CAPITOL ST SW*	*0 - 1/8 WNW*	*G25*	*15*
US CAPITOL POLICE	*42 I STREET SE*	*0 - 1/8 N*	*28*	*17*
MEGA AUTOMOTIVE CLINIC INC	*20 L STREET SW*	*0 - 1/8 W*	*29*	*18*
ADMIRAL LIMOUSINE	*1243 FIRST ST SE*	*1/8 - 1/4 SE*	*K36*	*21*
NATIONAL TIRE WHOLSALER	*67 K STREET SW*	*1/8 - 1/4 WNW*	*L38*	*23*
STIDHAM TIRE	*39L ST SW*	*1/8 - 1/4 W*	*M44*	*25*
D C FIRE DEPARTMENT-APPARATUS	*1103 HALF ST SW*	*1/8 - 1/4 WNW*	*N46*	*26*
AAMCO TRANSMISSION	*140 M STREET SE*	*1/8 - 1/4 ESE*	*O49*	*28*
WEBERS RITE-WAY AUTO INC	*1111 2ND ST SE*	*1/8 - 1/4 E*	*53*	*30*
US SECRET SVC SSD	*2ND & M STS SE BLDG 216*	*1/8 - 1/4 ESE*	*Q56*	*31*
BLUE PLAINS UPTOWN	*1ST & N STS SE*	*1/8 - 1/4 SSE*	*57*	*31*

STATE ASTM STANDARD

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Consumer and Regulatory Affairs' District of Columbia LUST Cases list.

A review of the LUST list, as provided by EDR, and dated 04/28/2003 has revealed that there are 18

EXECUTIVE SUMMARY

LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PEPCO	HALF / M STS, SE	0 - 1/8 SSE	C5	6
WMATA	***17 M ST SE***	***0 - 1/8 SW***	***E15***	***10***
PUBLIC STORAGE, INC.	1230 SOUTH CAPITOL ST.,	1/8 - 1/4 SW	J33	21
AMOCO	1244 SOUTH CAPITAL ST.	1/8 - 1/4 SSW	J42	24
WEBER'S WHITE TRUCKS, INC	***1331 HALF ST SE***	***1/8 - 1/4 S***	***P58***	***32***
POTOMAC CAB COMPANY	***1345 S CAPITOL ST SW***	***1/4 - 1/2 SSW***	***62***	***34***
GEORGETOWN UNIVERSITY LAW CENT	600 NEW JERSEY AVE., NW	1/4 - 1/2 NNE	63	34
CARROLLSBURG APARTMENTS	***319 L ST SE***	***1/4 - 1/2 E***	***64***	***34***
WASHINGTON POST NEWSPAPER-SOUT	***225 VIRGINIA AVE SE***	***1/4 - 1/2 NE***	***65***	***35***
OPPORTUNITY CONCRETE CORP	***1601 S CAPITOL ST SW***	***1/4 - 1/2 S***	***69***	***39***
METRO BUILDING SUPPLY	50 Q STREET, SW	1/4 - 1/2 SSW	71	40

Lower Elevation	Address	Dist / Dir	Map ID	Page
EXXONMOBIL CORP #25381	***950 SOUTH CAPITOL ST SE***	***0 - 1/8 NW***	***G21***	***14***
EXXON CO USA RAS#25055	***1001 S CAPITOL ST SW***	***0 - 1/8 WNW***	***G25***	***15***
ADMIRAL LIMOUSINE COMPANY	***1245 1ST ST SE***	***1/8 - 1/4 SSE***	***K43***	***24***
SHELL OIL COMPANY	***212 M ST SE***	***1/8 - 1/4 ESE***	***Q59***	***32***
GREENLEAF SENIOR HOUSING	1200 DELAWARE AVENUE. S	1/4 - 1/2 WSW	S67	39
DC MATERIALS CO.	25 POTOMAC AVE, SE	1/4 - 1/2 S	68	39
DC PUBLIC LIBRARY	920 WESLEY PLACE, SW	1/4 - 1/2 WNW	70	40

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Consumer & Regulatory Affairs' D.C. UST Database List.

A review of the UST list, as provided by EDR, and dated 04/28/2003 has revealed that there are 27 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CHILLED WATER PLANT	41 L ST SE	0 - 1/8 W	A1	5
TRACKS NIGHTCLUB	57 L ST SE	0 - 1/8 E	A2	5
G E HARLEY MACHINE & BOILER WO	1015 HALF ST SE	0 - 1/8 N	B4	6
DC FOREIGN CAR SERVICE	31 K ST SE	0 - 1/8 NNW	B6	6
SUNOCO #0004-4214	50 M ST SE	0 - 1/8 S	C9	7
PEPCO	M & HALF ST SE	0 - 1/8 S	11	8
R.M. BARIOW & J.D VAN WAGONER	1201 CUSHING PL SE	0 - 1/8 SSE	D12	9
WMATA SOUTHEASTERN GARAGE	17 M ST SE	0 - 1/8 SW	E14	10
CHEVRON USA INC.	1200 S CAPITOL ST SE	0 - 1/8 SW	H23	15
FORMER YORK SERVICE CO. INC.	910 1ST ST SE	1/8 - 1/4 NE	I32	21
PUBLIC STORAGE, INC	1230 S CAPITOL ST SE	1/8 - 1/4 SW	J34	21
UNKNOWN	100 I ST SE	1/8 - 1/4 NE	I35	21
SOUTH CAPITOL STREET AMOCO	1244 S CAPITOL ST SE	1/8 - 1/4 SSW	J41	24
CAPITOL CRANE COMPANY	27 N ST SE	1/8 - 1/4 SSW	50	29
DANIEL J PERSON	1013 2ND ST SE	1/8 - 1/4 ENE	54	30
WEBER'S WHITE TRUCKS, INC	***1331 HALF ST SE***	***1/8 - 1/4 S***	***P58***	***32***

Lower Elevation	Address	Dist / Dir	Map ID	Page
EXXON S/S #2-5381	950 S CAPITOL ST SW	0 - 1/8 NW	G20	13
EXXON S/S #2-5055	1001 S CAPITOL ST SW	0 - 1/8 WNW	G24	15
NATIONAL TIRE WHOLESALE (NTW)	67 K ST SW	1/8 - 1/4 WNW	L37	22
USPS SOUTHWEST STATION	45 L ST SW	1/8 - 1/4 W	M40	24

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir	Map ID	Page
ADMIRAL LIMOUSINE COMPANY	***1245 1ST ST SE***	***1/8 - 1/4 SSE***	***K43***	***24***
GOODYEAR ASC.--0264	1112 HALF ST SW	1/8 - 1/4 WNW	N45	25
DCFD ENGINE CO. #7	1101 HALF ST SW	1/8 - 1/4 WNW	N47	28
140 M STREET	140 M ST SE	1/8 - 1/4 ESE	O48	28
SOUTHEAST FEDERAL CENTER	2ND & M ST SE	1/8 - 1/4 ESE	O51	29
BOWEN ELEMENTARY SCHOOL	101 M ST SW	1/8 - 1/4 WSW	52	29
SHELL OIL COMPANY	***212 M ST SE***	***1/8 - 1/4 ESE***	***Q59***	***32***

FEDERAL ASTM SUPPLEMENTAL

Federal Lands: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 04/01/2003 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NAVAL STATION ANACOSTIA		1/2 - 1 SSE	0	5

EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
CUSTIS & BROWN BARGE SPILL	CERCLIS, FINDS
WASHINGTON GAS LIGHT CO	CERCLIS, RCRIS-SQG, FINDS, ROD
ARCHIBALD GLOVER PARK OUTFALL OIL	CERC-NFRAP
EPIS.CHURCH HOME-SEVIER HOUSE	LUST
THE WALTON COMPANIES	LUST
SMITHSONIAN BUILDING	LUST
DC DEPT. PUBLIC WORKS	LUST
FORMER SEARS STORE	LUST
DC PUBLIC LIBRARY	LUST
DPW	LUST
BRANDYWINE HIGHLAND APTS.	LUST
HOWARD U. - 4TH & BRYANT	LUST
C&P TELEPHONE	LUST
ENVOY APARTMENTS	LUST
BORGER MANAGEMENT, INC.	LUST
1018 E. CAPITOL CONDOMINIUM	LUST
WASHINGTON NAVY YARD	LUST
SUNOCO	LUST
EXXON	LUST
DOUGLAS DEVELOPMENT CORP.	LUST
SHELL	LUST
DC - PUBLIC SCHOOL	LUST
EXXON	LUST
US GOVT PRINTING OFFICE	LUST
SOLDIERS/AIRMEN'S HOME	LUST
NORFORK COOP.	LUST
SOUTH NEW CAPITAL, LLC	LUST
GREENWAY APTS.	LUST
EXXON	LUST
SQUARE 669 LTD	LUST
US GOVERNMENT PRINTING OFFICE	LUST
ANACOSTIA NAVAL STATION, BLDG 351	LUST
ANACOSTIA NAVAL STATION, BLDG 155	LUST
ANACOSTIA NAVAL STN. SHOP 21D	LUST
NATIONAL BANK OF WASH. BLDG.	LUST
DC ENGINE CO. # 14	LUST
TAKOMA FUNERAL HOME	LUST
THE SAXONY BUILDING	LUST
US DISTRICT COURT HOUSE	LUST
DPW PROPERTY - 1725 FENWICK	LUST
ARCHITECT OF THE CAPITOL, DIRKSEN	LUST
ARCHITECT OF THE CAPITOL, RAYBURN	LUST
MUSCLE, INC.	LUST
CIH UPLANDS LIMITED PARTNERSHIP	LUST
GIRARD HOUSE APTS.	LUST
GOODYEAR ASC	LUST
DHS RANDALL BLDG	LUST
DC PUBLIC LIBRARY	LUST
MARINE BARRACKS, U.S.	LUST
WASH.HOSPITAL CNTR TK #5	LUST
CALOMARIS COMPANY INC	LUST
POTOMAC CREEK LIMITED	LUST
C & P TELEPHONE	LUST
POTOMAC CAP INVESTING	LUST
3325 M STREET-COMMERCIAL	LUST
1730 M ST., L.P.	LUST
CARBARN	LUST
CARRAMERICA	LUST
UNITED DRUG SERVICE	LUST

GEORGETOWN UNIVERSITY RYAN BLG.	LUST
MANULIFE REAL ESTATE	LUST
APT. BUILDING - BORAC COMPANY	LUST
THE INVESTMENT BUILDING	LUST
AMOCO	LUST
DCFD ENGINE 13	LUST
ARCHITECT OF THE CAPITOL - POWER P	LUST
DC DEPT HOUSING & COMMUNITY DEV	LUST
WOODWARD & LOTHROP	LUST
UNION STATION VENTURES	LUST
ROADSIDE DEVELOPMENT, INC.	LUST
CONCORD PARTNERS	LUST
JBG REAL ESTATE ASSOCIATES, XXI IN	LUST
WMATA	LUST
L.G. INDUSTRIES	LUST
THE WORLD BANK	LUST
M STREET DEVELOPER	LUST
BELL ATLANTIC-WASHINGTON, DC	LUST
SQUARE 74 - 2118 K ST NW	LUST
THE WASHINGTON POST (FUEL ST.)	LUST
JIMMY TIRE & AUTO SERVICE	LUST
FT MCNAIR - FITNESS CENTER	LUST
NAVY DISTRICT WASHINGTON	LUST
MT. VERNON DEV. GP. LTD	LUST
WILLIAM LEE PROPERTY	LUST
GW UNIV. WARWICK BUILDING	LUST
APT. BUILDING (CAPITAL CITY PR)	LUST
GSA - H.O.L.C. BUILDING	LUST
NEW PEPCO BUILDING	LUST
RIDDELL BUILDING	LUST
LANSBURG BUILDING	LUST
GWU, BUILDING K	LUST
APARTMENT BUILDING (BARAC CO)	LUST
2000 L STREET	LUST
HUBERT MILLER	LUST
BRAWNER CO.	LUST
C & P TELEPHONE - 62 L	LUST
80 M TRACKS LTD PARTNERS	LUST
BENNING HEIGHT LIMITED	LUST
NATIONAL ACADEMY OF SCIENCES	LUST
WELCH FAMILY LTD PARTNERSHIP	LUST
THE GEORGE WASHINGTON UNIVERSITY	LUST
35 K STREET, NE	LUST
DEVELOPMENT RESOURCES, INC.	LUST
HOWARD UNIVERSITY	LUST
CAFRITZ, INC.	LUST
LINCOLN PROPERTY COMPANY	LUST
WASHINGTON NAVY YARD	LUST
UNION STATION VENTURE	LUST
JETU INC	LUST
SEED SCHOOL	LUST
THE DAVIS COMPANY	LUST
MDC LAND	LUST
AVALON AT GALLERY PLACE	LUST
CAPITAL CAB	LUST
UNKNOWN	LUST
AMOCO	LUST
FIDELITY STORAGE CO.	LUST
TOWER TERRACE WEST	LUST
CAFRITZ COMPANY	LUST
K STREET INC.	LUST
MOUNT CLARE PROPERTIES	LUST

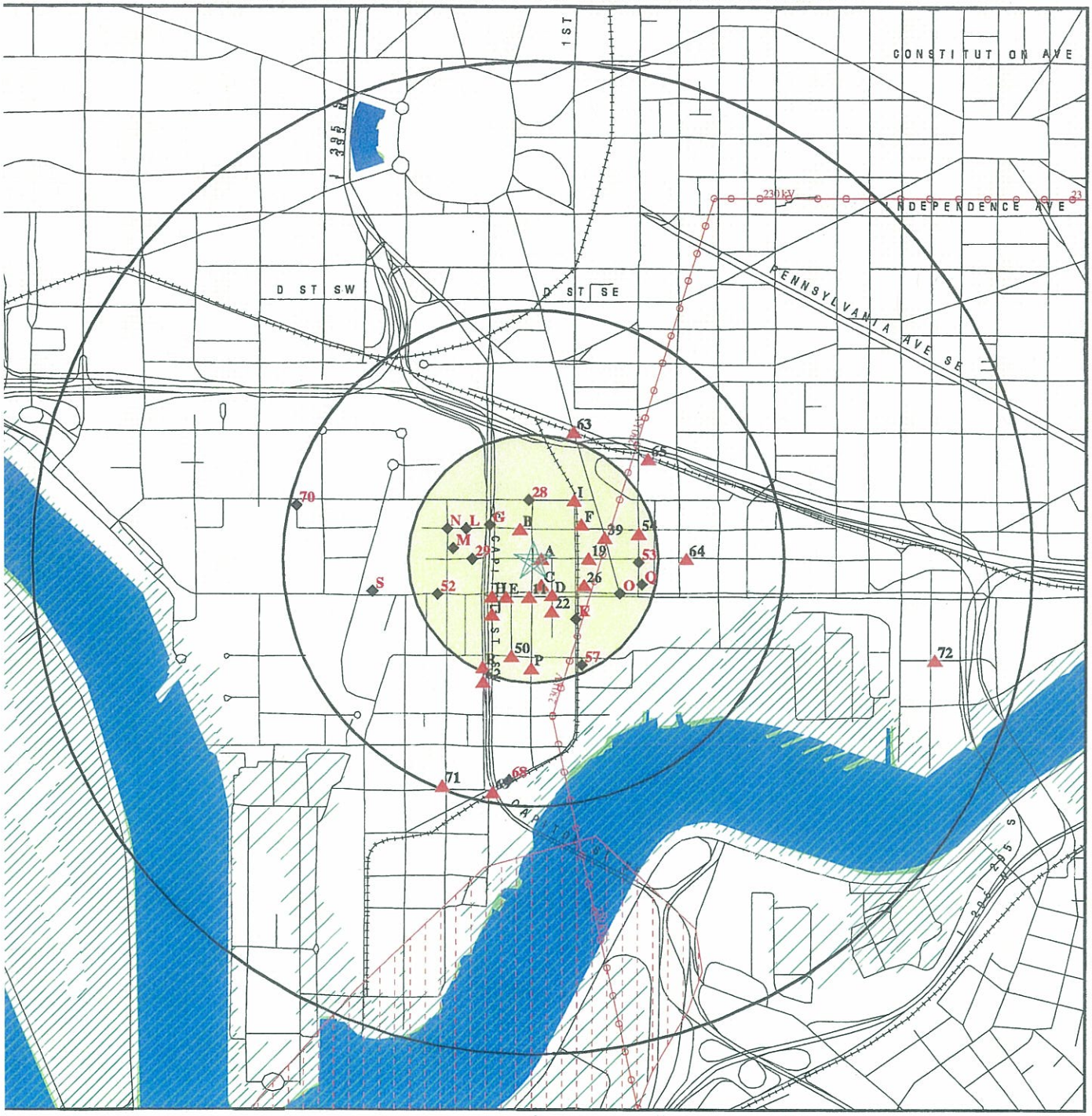
EXECUTIVE SUMMARY

AMOCO	LUST
H. B. LEARY JR. & BROS., INC.	LUST
RIGGS NATIONAL BANK	LUST
BUZZARD POINT GENERATING STA.	LUST
GEORGE WHITE	LUST
GEORGETOWN U.	LUST
AMOCO - FORMER	LUST
9TH AND EYE ASSOCIATES	LUST
GEORGETOWN U - ICC	LUST
CAFRITZ	LUST
EMPIRE APARTMENTS	LUST
DISTRICT PAVING	LUST
RCA GLOBAL	LUST
GWU ADAMS HALL	LUST
FORMER HARTNETT HALL	LUST
2200 M ST. LCC	LUST
CHEVRON	LUST
INTOWN MINI STORAGE	LUST
PARK CREST APPARTMENTS	LUST
BLAIR APT. CORPORATION	LUST
OLD HECHT'S BLDG	LUST
NATIONAL CHILD DAY CARE ASSO.	LUST
JOHN AKRIDGE	LUST
THE NEW CONVENTION CENTER	LUST
THE NEW CONVENTION CENTER	LUST
THE NEW CONVENTION CENTER	LUST
5TH ST. FUELING STATION	LUST
DC HOUSING AUTHORITY	LUST
GW U. - GELMAN LIBRARY	LUST
OLD GAS STATION	LUST
DOUGLAS DEVELOPMENT	LUST
CHEVRON	LUST
JEFFERSON JUNIOR H.S.	LUST
FORMER HUMBLE OIL GAS STATION	LUST
DC DHCD - FRMR. GAS STATION	LUST
MARTIN & BOYDS SPRINGWORKS, INC.	LUST
NEW CONVENTION CENTER-MOUNT VERN	LUST
AUTO REPAIR SERVICE STATION	LUST
DC METRO POLICE, 3RD DIST.	LUST
RANDLE HIGHLAND ELEMENTARY	LUST
KRAMER JUNIOR HIGH SCHOOL	LUST
DC DHCD - FRMR. MANHATTAN AUTO	LUST
NATIONAL ASS. OF SECUR. DEALER	LUST
PEPCO BUZZARD - TANK # 1	LUST
WILLIAMSBURG PROPERTY INC.	LUST
EMBASSY SQUARE - SUMMERFIELD HOTEL	LUST
2100 COOPERATIVE ASSOC.	LUST
FORMER SINCLAIR/CITGO GAS STATION	LUST
CIRCLE CO. - 2118 K ST	LUST
DC FIRE ENGINE COMPANY 23	LUST
GEORGE WASHINGTON UNIVERSITY	LUST
EMBASSY OF NEITHERLANDS	LUST
WASHINGTON AQUEDUCT DIVISION	LUST
THE JOHN F. KENNEDY CENTER	LUST
BALLOU SENIOR HIGH SCHOOL	LUST
NPS FT DUPONT - MAINT. YRD.	LUST
FAIRFAX VILLAGE APARTMENTS	LUST
DC DPW	LUST
1105 W STREET NW, PROPERTY	LUST
C & P TELEPHONE - 1200 H	LUST
247 ASSOCIATES, L.P. - EXXON	LUST
JOHN AKRIDGE COMPANY	LUST

EXECUTIVE SUMMARY

HAGNER MANAGEMENT CORPORATION	LUST
SOME - 1338 R STREET, N.W.	LUST
DC ENGINE CO. # 9	LUST
DC DEPARTMENT OF HOUSING AND COM	LUST
UPTOWN PARTNERS, LLC C/O METROP	LUST
DPW FLEET MANAGEMENT	LUST
METROPOLITAN LIFE INSURANCE CO.	LUST
THE INVESTMENT BUILDING	LUST
FORMER CAFRITZ BUILDING I	LUST
JULIEN J STUDLEY INC.	LUST
NATIONS BANK TRUST	LUST
UNION STATION VENTURE	LUST
FT. MCNAIR - GAS STATION	LUST
FT. MCNAIR - BLDG 35	LUST
B.F. SAUL COMPANY	LUST
HALLEY GARDENS APTS	LUST
SPORTS COMMISION ARENA SQR. 455	LUST
GENERAL SERVICE ADMINSTRATION	LUST
GEORGE WASH. U - THURSTON HALL	LUST
GEORGE WASH. U MUNSON HALL	LUST
GEORGETOWN U.-OBSERVATORY	LUST
FT. MCNAIR - QUARTERS #20	LUST
FARRAGUT DEVELOPMENT CO.	LUST
STEUART INVESTMENT CO.	LUST
MARFAIR JOINT VENTURE	LUST
PUBLIC STORAGE	LUST
HOLY COMFORTER CHURCH	LUST
STEUART PETROLEUM	LUST
DC PUBLIC SCHOOLS	LUST
WASHINGTON REAL ESTATE INVESTMENT	LUST
CAPITAL PARK TOWERS	LUST
TOWN CENTER PLAZA	LUST
AT&T - 1714 2ND ST SW	LUST
EXXON	LUST
NPS - JAMES CREEK MARINA	LUST
DPW	LUST
DC PUBLIC SCHOOL	LUST
BOWEN ELEMENTARY SCHOOL	LUST
TOWN CENTER LTD PTNER OD DC	LUST
WMATA	LUST
CAPITAL HILL SUITES HOTEL	LUST
DC HOUSING AUTHORITY	LUST
VIRGINIA PAVING	LUST
ELLEN WILSON DWELLING	LUST
STEUART PETROLEUM	LUST
SUNOCO	LUST
DC DPW FLEET MANAGEMENT	LUST
LERNER ENTERPRISES	LUST
SQUARE 742 LLC	LUST
GIDDINGS ADMINISTRATION BUILDING	UST
LAUNDROMAT	UST
PPR BUZZARD POINT GEN STATION	RCRIS-LQG, FINDS

OVERVIEW MAP - 0986217.3s - Greenhorne & O`Mara



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

National Priority List Sites

Landfill Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Power transmission lines

Oil & Gas pipelines

100-year flood zone

500-year flood zone

Wetlands

ARGET PROPERTY:	GSA Building	CUSTOMER:	Greenhorne & O`Mara
DDRESS:	49 L Street, SE	CONTACT:	Irene Mendoza
ITY/STATE/ZIP:	Washington DC 20003	INQUIRY #:	0986217.3s
AT/LONG:	38.8775 / 77.0074	DATE:	May 30, 2003 12:58 pm

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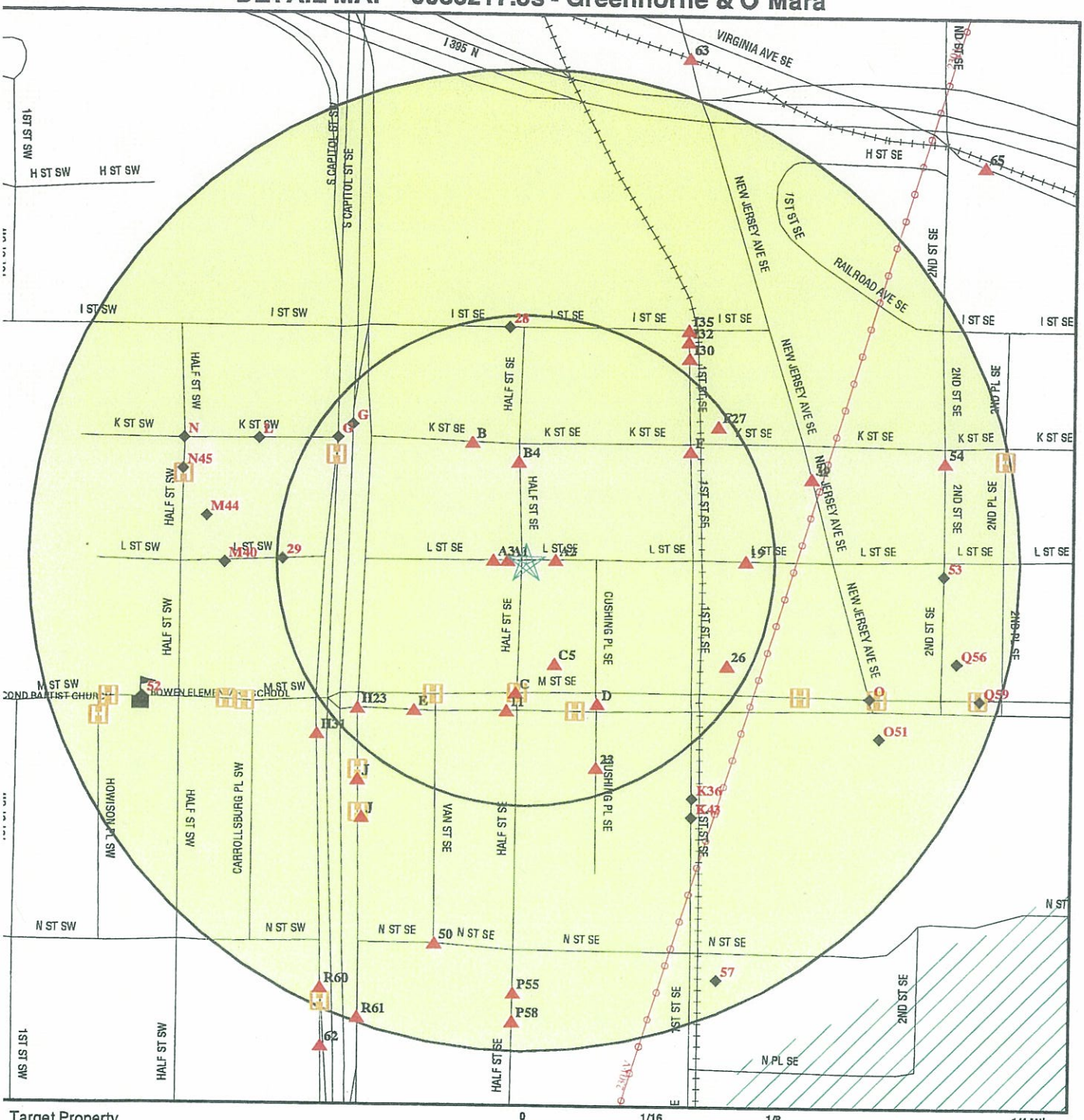
DETAIL MAP - 0986217.3s - Greenhorne & O`Mara



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

Historical Gas Stations / Historical Dry Cleaners See the EDR Proprietary Historical Map Findings

Sensitive Receptors

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Power transmission lines

Oil & Gas pipelines

100-year flood zone

500-year flood zone

RGET PROPERTY:	GSA Building	CUSTOMER:	Greenhorne & O`Mara
DRESS:	49 L Street, SE	CONTACT:	Irene Mendoza
TY/STATE/ZIP:	Washington DC 20003	INQUIRY #:	0986217.3s
T/LONG:	38.8775 / 77.0074	DATE:	May 30, 2003 12:59 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	1	NR	1
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	1	NR	NR	1
CERC-NFRAP		0.250	0	1	NR	NR	NR	1
CORRACTS		1.000	0	0	1	1	NR	2
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	2	0	NR	NR	NR	2
RCRIS Sm. Quan. Gen.		0.250	15	14	NR	NR	NR	29
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
State Haz. Waste		N/A	N/A	N/A	N/A	N/A	N/A	N/A
LUST		0.500	4	5	9	NR	NR	18
UST		0.250	11	16	NR	NR	NR	27
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	1	NR	1
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
AST		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Gas Stations/Dry Cleaners		0.250	10	24	NR	NR	NR	34
Coal Gas		1.000	0	0	0	0	NR	0

NOTES:

See the EDR Proprietary Historical Database Section for details

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
DOD Region SSE 1/2-1 3033 ft.	**NAVAL STATION ANACOSTIA** **DISTRICT OF COLUMBIA (County), DC**	**DOD**	**CDOD034202** **N/A**

FEDERAL LANDS:

Feature 1:	Navy DOD
Feature 2:	Not reported
Feature 3:	Not reported
Agency:	DOD
URL:	Not reported
Name 1:	Naval Station Anacostia
Name 2:	Not reported
Name 3:	Not reported
State:	DC

A1 West < 1/8 51 ft.	**CHILLED WATER PLANT** **41 L ST SE** **WASHINGTON, DC 20003**	**UST**	**U002108181** **N/A**

Site 1 of 3 in cluster A

Relative: Higher

Actual: 24 ft.

UST:

Facility ID:	2000131
Owner:	WMATA

A2 East < 1/8 78 ft.	**TRACKS NIGHTCLUB** **57 L ST SE** **WASHINGTON, DC 20003**	**UST**	**U002108357** **N/A**

Site 2 of 3 in cluster A

Relative: Equal

Actual: 23 ft.

UST:

Facility ID:	2000968
Owner:	80 M TRACKS LTD PARTNERS

A3 West < 1/8 88 ft.	**MOMEN AUTO** **37 L STREET SE** **WASHINGTON, DC 20003**	**RCRIS-SQG** **FINDS**	**1004681788** **DCR000000471**

Site 3 of 3 in cluster A

Relative: Higher

Actual: 24 ft.

RCRIS:

Owner:	MOMEN SHER (202) 484-8125
EPA ID:	DCR000000471
Contact:	SHER MOMEN (202) 484-8125
Classification:	Conditionally Exempt Small Quantity Generator
Used Oil Recyc:	No
TSDF Activities:	Not reported

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
	MOMEN AUTO (Continued) Violation Status: No violations found FINDS: Other Pertinent Environmental Activity Identified at Site: Facility Registry System (FRS) Resource Conservation and Recovery Act Information system (RCRAINFO)		**1004681788**
B4 **North** **< 1/8** **269 ft.** **Relative:** **Higher** **Actual:** **25 ft.**	**G E HARLEY MACHINE & BOILER WORK** **1015 HALF ST SE** **WASHINGTON, DC 20006** **Site 1 of 4 in cluster B** UST: Facility ID: 2000418 Owner: POTOMAC INVESTMENT PROPER	**UST**	**U002108257** **N/A**
C5 **SSE** **< 1/8** **286 ft.** **Relative:** **Higher** **Actual:** **25 ft.**	**PEPCO** **HALF / M STS, SE** **WASHINGTON DC, DC** **Site 1 of 3 in cluster C** LUST: Case Number: 87007 Facility Status: CLOSED Facility Type : Other Quadrant : SE	**LUST**	**S101403106** **N/A**
B6 **NNW** **< 1/8** **352 ft.** **Relative:** **Higher** **Actual:** **24 ft.**	**DC FOREIGN CAR SERVICE** **31 K ST SE** **WASHINGTON, DC 20006** **Site 2 of 4 in cluster B** UST: Facility ID: 2002586 Owner: DILRICO C/O GREENHOOT, INCO	**UST**	**U002108705** **N/A**
B7 **NNW** **< 1/8** **352 ft.** **Relative:** **Higher** **Actual:** **24 ft.**	**DC FOREIGN CAR SERVICE** **31 K STREET SE** **WASHINGTON, DC 20003** **Site 3 of 4 in cluster B**	**RCRIS-SQG** **FINDS**	**1004681787** **DCR000000380**

DC FOREIGN CAR SERVICE (Continued) — **1004681787**

RCRIS:
Owner: HONG KYUN HWA
(703) 455-0903
EPA ID: DCR000000380
Contact: MIKE HONG
(202) 488-7426
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

B8
NNW
< 1/8
352 ft.

Relative: Higher

Actual: 24 ft.

P & K AUTO REPAIR
32 K STREET SE
WASHINGTON, DC 20003

RCRIS-SQG **1004681859**
FINDS **DCR000002162**

Site 4 of 4 in cluster B

RCRIS:
Owner: DECKER JOHN
(703) 760-4900
EPA ID: DCR000002162
Contact: MOHAMMAD TARIQ
(202) 314-7444
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

C9
South
< 1/8
355 ft.

Relative: Higher

Actual: 24 ft.

SUNOCO #0004-4214
50 M ST SE
WASHINGTON, DC 19103

UST **U002108325**
N/A

Site 2 of 3 in cluster C

UST:
Facility ID: 2000735
Owner: SUN REFINING & MARKETING CO

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
C10 **South** **< 1/8** **355 ft.**	**SUNOCO SERVICE STATION** **50 M ST SE** **WASHINGTON, DC 20003**	**RCRIS-SQG** **FINDS**	**1000329272** **DCD000760736**

Site 3 of 3 in cluster C

Relative: Higher

Actual: 24 ft.

RCRIS:

Owner: SUN OIL COMPANY OF PENNSYLVANIA
(215) 555-1212

EPA ID: DCD000760736

Contact: DON GRAY
(301) 341-0100

Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 262.41(a)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 03/06/1992
Actual Date Achieved Compliance: 05/04/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/06/1992
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19920504

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

---

11 **South** **< 1/8** **405 ft.**	**PEPCO** **M & HALF ST SE** **WASHINGTON, DC 20000**	**UST**	**U003763735** **N/A**

Relative: Higher

Actual: 24 ft.

UST:
Facility ID: 2000530
Owner: UNKNOWN

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
D12 **SSE** **< 1/8** **429 ft.**	**R.M. BARIOW & J.D VAN WAGONER** **1201 CUSHING PL SE** **WASHINGTON, DC 22170**	**UST**	**U003763741** **N/A**

Site 1 of 2 in cluster D

Relative: Higher

Actual: 24 ft.

UST:
Facility ID: 2000626
Owner: R.M. BARIOW & J.D VAN WAGONER

D13 **SSE** **< 1/8** **447 ft.**	**PLYMOUTH PRINTING SERVICE** **1200 CUSHING PLACE SE** **WASHINGTON, DC 20003**	**RCRIS-SQG** **FINDS**	**1001960070** **DCR000001628**

Site 2 of 2 in cluster D

Relative: Higher

Actual: 24 ft.

RCRIS:
Owner: ESTATE OF LAWRENCE BLUMENFELD
(202) 488-7777
EPA ID: DCR000001628

Contact: JERRY TAYLOR
(202) 488-7777

Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)
D001	862.00

Violation Status: Violations exist

Regulation Violated: 4202.7(c)
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 12/17/1999
Actual Date Achieved Compliance: 01/28/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 12/17/1999
Penalty Type: Not reported

Regulation Violated: 4202.7(d)
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 12/17/1999
Actual Date Achieved Compliance: 01/28/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 12/17/1999
Penalty Type: Not reported

Regulation Violated: 4202.7,4401.23-4401.29
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 12/17/1999
Actual Date Achieved Compliance: 01/28/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 12/17/1999
Penalty Type: Not reported

PLYMOUTH PRINTING SERVICE (Continued) **1001960070**

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000128
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000128
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20000128

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

E14
SW
< 1/8
498 ft.

WMATA SOUTHEASTERN GARAGE
17 M ST SE
WASHINGTON, DC 22314

UST **U003054220**
N/A

Site 1 of 3 in cluster E

Relative: Higher

Actual: 24 ft.

UST:
Facility ID: 2000712
Owner: WMATA

E15
SW
< 1/8
498 ft.

WMATA
17 M ST SE
WASHINGTON, DC 20003

RCRIS-SQG **1000394661**
LUST **DCD983966482**

Site 2 of 3 in cluster E

Relative: Higher

Actual: 24 ft.

RCRIS:
Owner: WMATA
(215) 555-1212
EPA ID: DCD983966482
Contact: STANLEY ABRAMSON
(703) 962-5169
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: 262.41
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 04/04/1994
Actual Date Achieved Compliance: 08/01/1994

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/04/1994
Penalty Type: Not reported

Regulation Violated: 262.41(a)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 03/06/1992
Actual Date Achieved Compliance: 03/09/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/06/1992
Penalty Type: Not reported

WMATA (Continued) **1000394661**

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19940801
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19920309

LUST:
Case Number: 92048
Facility Status: OPEN
Facility Type : Other
Quadrant : SE

E16
SW
< 1/8
498 ft.

Relative: Higher

Actual: 24 ft.

WMATA SOUTHEASTERN DIVISION
17 M ST SE
WASHINGTON, DC 20003

RCRIS-LQG 1000101225
FINDS DCD981111859

Site 3 of 3 in cluster E

RCRIS:
Owner: WASHINGTON METRO AREA TRANSIT AUTH
(202) 962-5113
EPA ID: DCD981111859
Contact: STANLEY ABRAMSON
(703) 962-5169
Classification: Large Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	1460.00	D018	1460.00

Violation Status: Violations exist

Regulation Violated: 262.41(a)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 03/06/1992
Actual Date Achieved Compliance: 03/09/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/06/1992
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 05/01/1990
Actual Date Achieved Compliance: 05/31/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/03/1990
Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19920309
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900531

WMATA SOUTHEASTERN DIVISION (Continued) **1000101225**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

F17 NE < 1/8 528 ft. **HOLIDAY CAB** **RCRIS-SQG** **1000267473**
1007 1ST ST SE **FINDS** **DCD983966094**
WASHINGTON, DC 20003

Site 1 of 3 in cluster F

Relative: Higher

Actual: 26 ft.

RCRIS:
Owner: OPERNAME
(215) 555-1212
EPA ID: DCD983966094
Contact: ROB GOTTLIED
(202) 488-1800
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 02/05/1990
Actual Date Achieved Compliance: 02/27/1990
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/07/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 02/05/1990
Actual Date Achieved Compliance: 02/27/1990
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/07/1990
Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900227
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900227

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
F18 **NE** **< 1/8** **540 ft.**	**ECONO AUTO** **1004 FIST ST SE** **WASHINGTON, DC 20003**	**RCRIS-SQG** **FINDS**	**1000687024** **DCD983969528**

Site 2 of 3 in cluster F

Relative: Higher

Actual: 26 ft.

RCRIS:
Owner: SAMAR KAMAL
(202) 554-4456
EPA ID: DCD983969528
Contact: KAMAL SAMAR
(202) 554-4456
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Permit Compliance System (PCS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

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19 **East** **< 1/8** **583 ft.**	**A B C ELECTRIC MOTOR SERVICE** **115 L ST SE** **WASHINGTON, DC 20003**	**RCRIS-SQG** **FINDS**	**1000105811** **DCD024210775**

Relative: Higher

Actual: 28 ft.

RCRIS:
Owner: SOLON AUTOMATED SERVICES
(215) 555-1212
EPA ID: DCD024210775
Contact: CLARENCE BALDERSON
(202) 488-7152
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

G20 **NW** **< 1/8** **588 ft.**	**EXXON S/S #2-5381** **950 S CAPITOL ST SW** **WASHINGTON, DC 80228**	**UST**	**U002108234** **N/A**

Site 1 of 4 in cluster G

Relative: Lower

Actual: 19 ft.

UST:
Facility ID: 2000366
Owner: EXXON MOBIL CORPORATION

EXXON S/S #2-5381 (Continued) — **U002108234**

G21
NW
< 1/8
588 ft.

Relative:
Lower

Actual:
19 ft.

EXXONMOBIL CORP #25381
950 SOUTH CAPITOL ST SE
WASHINGTON, DC 20003

RCRIS-SQG **1000335657**
FINDS **DCD982566069**
LUST

Site 2 of 4 in cluster G

RCRIS:
Owner: EXXON MOBIL
(713) 656-9075
EPA ID: DCD982566069
Contact: T-J STILBERT
(713) 656-7761
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	750.60	D018	750.60

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

LUST:
Case Number: 88017
Facility Status: OPEN
Facility Type : Gas Station
Quadrant : SE

22
SSE
< 1/8
587 ft.

Relative:
Equal

Actual:
23 ft.

DC EXPRESS CAB ASSOCIATION
1235 CUSHING PLACE SE
WASHINGTON, DC 20003

RCRIS-SQG **1001960072**
FINDS **DCR000001701**

RCRIS:
Owner: COHEN AND FELDMAN
(301) 881-7800
EPA ID: DCR000001701
Contact: SATPARWIRTAK GHUMAN SINGH
(202) 484-8516
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

DC EXPRESS CAB ASSOCIATION (Continued) **1001960072**

Violation Status: Violations exist

Regulation Violated:	4203.1
Area of Violation:	GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined:	12/16/1999
Actual Date Achieved Compliance:	04/01/2002
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/17/1999
Penalty Type:	Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	20020401

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

H23
SW
< 1/8
594 ft.

CHEVRON USA INC. **UST** **U002108201**
1200 S CAPITOL ST SE **N/A**
WASHINGTON, DC 21204

Site 1 of 2 in cluster H

Relative:
Higher

Actual:
24 ft.

UST:
Facility ID: 2000260
Owner: CHEVRON USA INC.

G24
WNW
< 1/8
594 ft.

EXXON S/S #2-5055 **UST** **U002108227**
1001 S CAPITOL ST SW **N/A**
WASHINGTON, DC 80228

Site 3 of 4 in cluster G

Relative:
Lower

Actual:
19 ft.

UST:
Facility ID: 2000335
Owner: EXXON MOBIL CORPORATION

G25
WNW
< 1/8
599 ft.

EXXON CO USA RAS#25055 **RCRIS-SQG** **1001023391**
1001 S CAPITOL ST SW **FINDS** **DCR000000117**
WASHINGTON, DC 20024 **LUST**

Site 4 of 4 in cluster G

Relative:
Lower

Actual:
19 ft.

EXXON CO USA RAS#25055 (Continued) **1001023391**

RCRIS:
Owner: EXXON MOBIL
(281) 296-3655
EPA ID: DCR000000117
Contact: ALDA POOL
(281) 296-3579
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

LUST:
Case Number: 90071
Facility Status: OPEN
Facility Type : Gas Station
Quadrant : SW

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26 ESE < 1/8 603 ft. **US NATIONAL PHOTO INTRTPRETATION CENTER** **RCRIS-LQG** **1000495581**
1ST & M ST SE **FINDS** **DCD983967902**
WASHINGTON, DC 20374

Relative: Higher
Actual: 24 ft.

RCRIS:
Owner: US NATIONAL PHOTO INTERPRETATION CENTER
(202) 863-3187
EPA ID: DCD983967902
Contact: RUFUS ROBINSON
(202) 863-3187
Classification: Large Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: 40 CFR 262.34(d)(5)
Area of Violation: GENRATOR-SQG REQUIREMENTS
Date Violation Determined: 02/19/1997
Actual Date Achieved Compliance: Not reported

Regulation Violated: 40 CFR 265.54(d)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 05/15/1995
Actual Date Achieved Compliance: 02/19/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/30/1991
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/30/1991
Penalty Type: Not reported

Regulation Violated: 268.7(a)

US NATIONAL PHOTO INTRTPRETATION CENTER (Continued) **1000495581**

Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 10/30/1991
Actual Date Achieved Compliance: 11/25/1991

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/30/1991
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/30/1991
Penalty Type: Not reported

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENRATOR-SQG REQUIREMENTS	
Detailed Multimedia Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	19970219
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	19911125

NY MANIFEST
Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

F27
NE
< 1/8
627 ft.

Relative: Higher

Actual: 25 ft.

HOLIDAY CAB **RCRIS-SQG** **1001487030**
1007 B 1ST STREET SE **DCR000001677**
WASHINGTON, DC 20003

Site 3 of 3 in cluster F

RCRIS:
Owner: FIRST K MANAGEMENT
(202) 429-9044
EPA ID: DCR000001677

Contact: MUASSAM ALI
(202) 554-1200

Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: No violations found

28
North
< 1/8
631 ft.

Relative: Lower

Actual: 21 ft.

US CAPITOL POLICE **RCRIS-SQG** **1000495669**
42 I STREET SE **FINDS** **DCD983968991**
WASHINGTON, DC 20003

US CAPITOL POLICE (Continued) **1000495669**

RCRIS:
Owner: US CAPITOL POLICE
(202) 226-3030
EPA ID: DCD983968991
Contact: JAMES SMITH
(202) 226-3030
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	360.00	D006	360.00
D008	360.00	D018	360.00
D035	360.00	D039	360.00
D040	360.00		

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

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29 West < 1/8 645 ft. **MEGA AUTOMOTIVE CLINIC INC**
20 L STREET SW
WASHINGTON, DC 20024

RCRIS-SQG **1001217878**
FINDS **DCR000001529**

Relative: Lower
Actual: 21 ft.

RCRIS:
Owner: MERCHANDISE MART PROPERTIES INC
(312) 527-4141
EPA ID: DCR000001529
Contact: RICHARD GYAMFI
(202) 554-5914
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 4200.6
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 03/26/1998
Actual Date Achieved Compliance: 05/05/1998

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/26/1998
Penalty Type: Not reported

Regulation Violated: 4200.6(d)
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 03/26/1998
Actual Date Achieved Compliance: 05/05/1998

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/26/1998
Penalty Type: Not reported

MEGA AUTOMOTIVE CLINIC INC (Continued) **1001217878**

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19980505
	GENERATOR-GENERAL REQUIREMENTS	19980505

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

I30
NE
1/8-1/4
698 ft.

Relative: Higher

Actual: 27 ft.

MERITT AUTO SERVICE CENTER
925 1ST ST SE
WASHINGTON, DC 20003

RCRIS-SQG **1000858629**
FINDS **DCD983971482**

Site 1 of 3 in cluster I

RCRIS:
Owner: CIRCLE MANAGEMENT
(202) 333-5420
EPA ID: DCD983971482
Contact: SHAKEEL CHEEMA
(202) 554-7900
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: 262.41
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 04/04/1994
Actual Date Achieved Compliance: 03/16/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/04/1994
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19950316

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

H31 SW 1/8-1/4 720 ft. | **GEORGETOWN VALET, 1215-E SOUTH CAPITOL, WASHINGTON, DC 20024** | **RCRIS-SQG, FINDS** | **1000447847, DCD983966581**

Site 2 of 2 in cluster H

Relative: Higher

Actual: 24 ft.

RCRIS:

Owner: H & M CLEANERS
(202) 479-2232

EPA ID: DCD983966581

Contact: HYO WHANG
(202) 479-2232

Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 262.41(a)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 03/06/1992
Actual Date Achieved Compliance: 03/18/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/06/1992
Penalty Type: Not reported

Regulation Violated: 262.34(A)(3)
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 12/13/1991
Actual Date Achieved Compliance: 01/21/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 12/20/1991
Penalty Type: Not reported

Regulation Violated: 262.34(A)(2)
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 12/13/1991
Actual Date Achieved Compliance: 01/21/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 12/20/1991
Penalty Type: Not reported

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19920318
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19920121
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19920121

FINDS:

Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
	GEORGETOWN VALET (Continued)		**1000447847**
I32 **NE** **1/8-1/4** **732 ft.** **Relative:** **Higher** **Actual:** **27 ft.**	**FORMER YORK SERVICE CO. INC.** **910 1ST ST SE** **WASHINGTON, DC 80210** **Site 2 of 3 in cluster I** UST: Facility ID: 9000056 Owner: CHERFEIN JOINT VENTURE	**UST**	**U002108322** **N/A**
J33 **SW** **1/8-1/4** **736 ft.** **Relative:** **Higher** **Actual:** **24 ft.**	**PUBLIC STORAGE, INC.** **1230 SOUTH CAPITOL ST., SE** **WASHINGTON DC, DC** **Site 1 of 4 in cluster J** LUST: Case Number: 96092 Facility Status: OPEN Facility Type : Other Quadrant : SE	**LUST**	**S105811108** **N/A**
J34 **SW** **1/8-1/4** **736 ft.** **Relative:** **Higher** **Actual:** **24 ft.**	**PUBLIC STORAGE, INC** **1230 S CAPITOL ST SE** **WASHINGTON, DC 91201** **Site 2 of 4 in cluster J** UST: Facility ID: 2000067 Owner: PUBLIC STORAGE, INC	**UST**	**U002108147** **N/A**
I35 **NE** **1/8-1/4** **758 ft.** **Relative:** **Higher** **Actual:** **26 ft.**	**UNKNOWN** **100 I ST SE** **WASHINGTON, DC 80210** **Site 3 of 3 in cluster I** UST: Facility ID: 110 Owner: ONE GREEN EYE, LLC	**UST**	**U003053728** **N/A**
K36 **SE** **1/8-1/4** **778 ft.** **Relative:** **Lower** **Actual:** **20 ft.**	**ADMIRAL LIMOUSINE** **1243 FIRST ST SE** **WASHINGTON, DC 20003** **Site 1 of 2 in cluster K**	**RCRIS-SQG** **FINDS**	**1000687051** **DCD983969866**

ADMIRAL LIMOUSINE (Continued) **1000687051**

RCRIS:
Owner: GEORGE A COUPLE PRESIDENT
(202) 554-1000
EPA ID: DCD983969866
Contact: GEORGE COUPE
(703) 548-4382
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	344.00	D008	344.00
D039	344.00		

Violation Status: Violations exist

Regulation Violated: 262.41
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 04/04/1994
Actual Date Achieved Compliance: 11/08/1994

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/04/1994
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19941108

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Permit Compliance System (PCS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

L37 **NATIONAL TIRE WHOLESALE (NTW)** **UST** **U003763756**
WNW **67 K ST SW** **N/A**
1/8-1/4 **WASHINGTON, DC 20814**
780 ft.

Site 1 of 2 in cluster L

Relative:
Lower

Actual:
17 ft.

UST:
Facility ID: 2002588
Owner: MARK GOLDSTEIN/CAPITAL SOUTH

L38
WNW
1/8-1/4
782 ft.

NATIONAL TIRE WHOLSALER
67 K STREET SW
WASHINGTON, DC 20024

RCRIS-SQG **1000495686**
FINDS **DCD983969163**

Site 2 of 2 in cluster L

Relative:
Lower

Actual:
17 ft.

RCRIS:
Owner: NTW
(202) 554-4605
EPA ID: DCD983969163
Contact: MIKE RYAN
(202) 554-4605
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	147.00	D039	147.00
D040	147.00		

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

39
ENE
1/8-1/4
791 ft.

HTT INC
1029 NEW JERSEY AVE SE
WASHINGTON, DC 20003

RCRIS-SQG **1001023409**
FINDS **DCR000000299**

Relative:
Higher

Actual:
27 ft.

RCRIS:
Owner: HTT INC
(202) 484-7100
EPA ID: DCR000000299
Contact: HAIZU TEKLEBERHAN
(202) 484-7100
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 262.40(a)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 08/13/1998
Actual Date Achieved Compliance: 09/07/1998

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/07/1998
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	19980907

HTT INC (Continued) **1001023409**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Permit Compliance System (PCS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

M40
West
1/8-1/4
799 ft.

USPS SOUTHWEST STATION **UST** **U003054218**
45 L ST SW **N/A**
WASHINGTON, DC 20066

Site 1 of 2 in cluster M

Relative:
Lower

Actual:
19 ft.

UST:
Facility ID: 2000692
Owner: UNITED STATES POSTAL SERVICE

J41
SSW
1/8-1/4
813 ft.

SOUTH CAPITOL STREET AMOCO **UST** **U002108176**
1244 S CAPITOL ST SE **N/A**
WASHINGTON, DC 20003

Site 3 of 4 in cluster J

Relative:
Higher

Actual:
25 ft.

UST:
Facility ID: 2000105
Owner: WAHLA LLC

J42
SSW
1/8-1/4
813 ft.

AMOCO **LUST** **1001276588**
1244 SOUTH CAPITAL ST. SE **N/A**
WASHINGTON DC, DC 20002

Site 4 of 4 in cluster J

Relative:
Higher

Actual:
25 ft.

LUST:
Case Number: 94047
Facility Status: CLOSED
Facility Type : Gas Station
Quadrant : SE

K43
SSE
1/8-1/4
819 ft.

ADMIRAL LIMOUSINE COMPANY **UST** **U003053734**
1245 1ST ST SE **LUST** **N/A**
WASHINGTON, DC 20854

Site 2 of 2 in cluster K

Relative:
Lower

Actual:
20 ft.

LUST:
Case Number: 98009
Facility Status: CLOSED
Facility Type : Other
Quadrant : SE

UST:
Facility ID: 164
Owner: WILLCO CONSTRUCTION CO

ADMIRAL LIMOUSINE COMPANY (Continued) **U003053734**

M44 West 1/8-1/4 856 ft. **STIDHAM TIRE** **RCRIS-SQG** **1000732355**
39L ST SW **FINDS** **DCD983970385**
WASHINGTON, DC 20024

Site 2 of 2 in cluster M

Relative: Lower

Actual: 17 ft.

RCRIS:
Owner: STIDHAM TIRE AND AUTO CARE
(301) 322-3200
EPA ID: DCD983970385
Contact: SCOTT PHILLIPS
(202) 484-8473
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: 262.41
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 04/04/1994
Actual Date Achieved Compliance: 04/19/1994

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/04/1994
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19940419

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

N45 WNW 1/8-1/4 944 ft. **GOODYEAR ASC.--0264** **UST** **U002108249**
1112 HALF ST SW **N/A**
WASHINGTON, DC 44316

Site 1 of 3 in cluster N

Relative: Lower

Actual: 15 ft.

UST:
Facility ID: 2000406
Owner: LEASED CONTROLLED BY. GOOD

N46 WNW 1/8-1/4 962 ft. | **D C FIRE DEPARTMENT-APPARATUS DIV** | **RCRIS-SQG** | **1000114167**
1103 HALF ST SW | **FINDS** | **DCD981040959**
WASHINGTON, DC 20024

Site 2 of 3 in cluster N

Relative: Lower

Actual: 14 ft.

RCRIS:
Owner: DC GOVERNMENT
(215) 555-1212
EPA ID: DCD981040959
Contact: THOMAS MCCAFFERY
(202) 745-2240
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	7403.00	D039	7403.00
F003	324.00	F005	324.00

Violation Status: Violations exist

Regulation Violated: 4202.7(e),4401.23
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 05/06/1998
Actual Date Achieved Compliance: 09/25/1998

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/06/1998
Penalty Type: Not reported

Regulation Violated: 4202.7(e), 4403
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 05/06/1998
Actual Date Achieved Compliance: 09/25/1998

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/06/1998
Penalty Type: Not reported

Regulation Violated: 4203.9
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 05/06/1998
Actual Date Achieved Compliance: 09/25/1998

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/06/1998
Penalty Type: Not reported

Regulation Violated: 4203.5
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 05/06/1998
Actual Date Achieved Compliance: 09/25/1998

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/06/1998
Penalty Type: Not reported

Regulation Violated: 262.41
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 04/04/1994

D C FIRE DEPARTMENT-APPARATUS DIV (Continued) **1000114167**

Actual Date Achieved Compliance: 04/18/1994

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/04/1994
Penalty Type: Not reported

Regulation Violated: 262.41(a)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 03/06/1992
Actual Date Achieved Compliance: 08/05/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/06/1992
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 01/17/1990
Actual Date Achieved Compliance: 02/08/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/23/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 01/17/1990
Actual Date Achieved Compliance: 02/08/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/23/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/03/1989
Actual Date Achieved Compliance: 02/08/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/09/1989
Penalty Type: Not reported

There are 9 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19980925
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19980925
	GENERATOR-RECORDKEEPING REQUIREMENTS	19980925
	GENERATOR-RECORDKEEPING REQUIREMENTS	19980925
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19940418
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19920805
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900208
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900208
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900208

D C FIRE DEPARTMENT-APPARATUS DIV (Continued) — **1000114167**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

N47 WNW 1/8-1/4 966 ft. — **DCFD ENGINE CO. #7** — **UST** — **U003054184** / **N/A**
1101 HALF ST SW
WASHINGTON, DC 20001

Site 3 of 3 in cluster N

Relative: Lower
Actual: 14 ft.

UST:
Facility ID: 2000278
Owner: DC FIRE DEPARTMENT

O48 ESE 1/8-1/4 987 ft. — **140 M STREET** — **UST** — **U003865159** / **N/A**
140 M ST SE
WASHINGTON, DC 20006

Site 1 of 3 in cluster O

Relative: Lower
Actual: 18 ft.

UST:
Facility ID: 9000557
Owner: SQUAR 742 LLC

O49 ESE 1/8-1/4 987 ft. — **AAMCO TRANSMISSION** — **RCRIS-SQG** — **1000495577**
140 M STREET SE — **FINDS** — **DCD983967852**
WASHINGTON, DC 20003

Site 2 of 3 in cluster O

Relative: Lower
Actual: 18 ft.

RCRIS:
Owner: CHUNG EUNG JOON
(202) 488-7636
EPA ID: DCD983967852
Contact: EUNG CHUNG
(202) 488-7636
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: 262.41
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 04/04/1994
Actual Date Achieved Compliance: 05/09/1994

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/04/1994
Penalty Type: Not reported

Regulation Violated: 262.41(a)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 03/06/1992
Actual Date Achieved Compliance: 03/25/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/06/1992

AAMCO TRANSMISSION (Continued) **1000495577**

Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19940509
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19920325

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

---

50 SSW 1/8-1/4 1056 ft. **CAPITOL CRANE COMPANY** **UST U002109585 N/A**
27 N ST SE
WASHINGTON, DC 20816

Relative: Higher
Actual: 24 ft.

UST:
Facility ID: 272
Owner: MINKOFF COMPANY, INC

O51 ESE 1/8-1/4 1056 ft. **SOUTHEAST FEDERAL CENTER** **UST U003763723 N/A**
2ND & M ST SE
WASHINGTON, DC 20037

Site 3 of 3 in cluster O

Relative: Lower
Actual: 18 ft.

UST:
Facility ID: 2000218
Owner: GENERAL SERVICES ADMINISTR

---

52 WSW 1/8-1/4 1080 ft. **BOWEN ELEMENTARY SCHOOL** **UST U003764149 N/A**
101 M ST SW
WASHINGTON, DC 20002

Relative: Lower
Actual: 16 ft.

UST:
Facility ID: 9000357
Owner: D.C. PUBLIC SCHOOL - PENN CENT

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
53 East 1/8-1/4 1114 ft.	**WEBERS RITE-WAY AUTO INC 1111 2ND ST SE WASHINGTON, DC 20003**	**RCRIS-SQG FINDS**	**1000217549 DCD054423439**

Relative: Lower

Actual: 22 ft.

RCRIS:
Owner: WEBERS RITE-WAY AUTO INC
(215) 555-1212
EPA ID: DCD054423439
Contact: JUD WELCH
(202) 488-7134

Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 262.41
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 04/04/1994
Actual Date Achieved Compliance: 06/09/1994

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/04/1994
Penalty Type: Not reported

Regulation Violated: 262.41(a)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 03/06/1992
Actual Date Achieved Compliance: 03/27/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/06/1992
Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19940609
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19920327

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

---

54 ENE 1/8-1/4 1147 ft.	**DANIEL J PERSON 1013 2ND ST SE WASHINGTON, DC 20003**	**UST**	**U003054569 N/A**

Relative: Higher

Actual: 26 ft.

UST:
Facility ID: 2003527
Owner: DANIEL J PERSON

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
P55 **South** **1/8-1/4** **1162 ft.**	**BRAKE SERVICE CO** **1318 HALF STREET SE** **WASHINGTON, DC 20003**	**RCRIS-SQG** **FINDS**	**1001201520** **DCR000000901**

Site 1 of 2 in cluster P

Relative:
Higher

Actual:
24 ft.

RCRIS:
Owner: LUKAESKO JOSEPH R
(202) 488-3330
EPA ID: DCR000000901
Contact: JOSEPH LUKAESKO
(202) 488-3330
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

Q56 **ESE** **1/8-1/4** **1180 ft.**	**US SECRET SVC SSD** **2ND & M STS SE BLDG 216** **WASHINGTON, DC 20374**	**RCRIS-SQG** **FINDS**	**1001023404** **DCR000000240**

Site 1 of 2 in cluster Q

Relative:
Lower

Actual:
18 ft.

RCRIS:
Owner: GSA AL VERMILION
(202) 254-3360
EPA ID: DCR000000240
Contact: KENNY MOHR
(202) 566-2877
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

---

57 **SSE** **1/8-1/4** **1236 ft.**	**BLUE PLAINS UPTOWN** **1ST & N STS SE** **WASHINGTON, DC 20032**	**RCRIS-SQG** **FINDS**	**1000732421** **DCD983971094**

Relative:
Lower

Actual:
17 ft.

BLUE PLAINS UPTOWN (Continued) **1000732421**

RCRIS:
Owner: BLUE PLAINS UPTOWN
(202) 767-8804
EPA ID: DCD983971094
Contact: JAMES WOODLAND
(202) 645-6407
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: 262.40(a)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 09/27/1993
Actual Date Achieved Compliance: 10/13/1993

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/29/1993
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	19931013

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

P58
South
1/8-1/4
1239 ft.

WEBER'S WHITE TRUCKS, INC **UST U003054219**
1331 HALF ST SE **LUST N/A**
WASHINGTON, DC 20003

Site 2 of 2 in cluster P

Relative: Higher

Actual: 24 ft.

LUST:
Case Number: 98029
Facility Status: CLOSED
Facility Type : Other
Quadrant : SE

UST:
Facility ID: 2000704
Owner: WEBER'S WHITE TRUCKS, INC

Q59
ESE
1/8-1/4
1267 ft.

SHELL OIL COMPANY **UST U002108298**
212 M ST SE **LUST N/A**
WASHINGTON, DC 32701

Site 2 of 2 in cluster Q

Relative: Lower

Actual: 18 ft.

LUST:
Case Number: 90075
Facility Status: OPEN
Facility Type : Gas Station
Quadrant : SE

SHELL OIL COMPANY (Continued) — **U002108298**

UST:
Facility ID: 2000657
Owner: MOTIVA ENTERPRISES, LLC

R60 SSW 1/8-1/4 1268 ft. — **JAMES T WARRING & SONS INC**, **1321 S CAPITOL ST**, **WASHINGTON, DC 20003** — **RCRIS-SQG 1000221667**, **CERC-NFRAP DCD042278994**

Site 1 of 2 in cluster R

Relative: Higher

Actual: 25 ft.

CERCLIS-NFRAP Classification Data:
Site Incident Category: Not reported
Non NPL Code: NFRAP
Ownership Status: Other

Federal Facility: Not a Federal Facility

NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:
Assessment: DISCOVERY — Completed: 09/01/1979
Assessment: PRELIMINARY ASSESSMENT — Completed: 11/01/1979
Assessment: SITE INSPECTION — Completed: 03/01/1980
Assessment: ARCHIVE SITE — Completed: 03/01/1980

CERCLIS-NFRAP Alias Name(s):
WARRING DRUM
JAMES T WARRING & SONS INC

RCRIS:
Owner: JAMES T WARRING SONS INC
(215) 555-1212
EPA ID: DCD042278994
Contact: VINCENT WARRING
(202) 488-1528
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: No violations found

R61 SSW 1/8-1/4 1304 ft. — **WARRING, JAMES T SONS INC**, **1330 S CAPITOL ST SE**, **WASHINGTON, DC 20003** — **RCRIS-SQG 1000362121**, **FINDS DCD000746909**

Site 2 of 2 in cluster R

Relative: Higher

Actual: 24 ft.

RCRIS:
Owner: WARRING, JAMES T SONS INC
(215) 555-1212
EPA ID: DCD000746909
Contact: VINCENT WARRING
(202) 488-1528
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

WARRING, JAMES T SONS INC (Continued) — **1000362121**

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

---

62 SSW 1/4-1/2 1412 ft. — **POTOMAC CAB COMPANY**, **1345 S CAPITOL ST SW**, **WASHINGTON, DC 20003** — **UST** **U002108095**, **LUST** **N/A**

Relative: Higher
Actual: 25 ft.

LUST:
Case Number: 89048
Facility Status: CLOSED
Facility Type : Other
Quadrant : SW

UST:
Facility ID: 2000014
Owner: POTOMAC CAB CO

---

63 NNE 1/4-1/2 1417 ft. — **GEORGETOWN UNIVERSITY LAW CENTER**, **600 NEW JERSEY AVE., NW**, **WASHINGTON DC, DC** — **LUST** **S105738218**, **N/A**

Relative: Higher
Actual: 27 ft.

LUST:
Case Number: 2002060
Facility Status: OPEN
Facility Type : Educational
Quadrant : NW

---

64 East 1/4-1/2 1612 ft. — **CARROLLSBURG APARTMENTS**, **319 L ST SE**, **WASHINGTON, DC 20001** — **UST** **U003054160**, **LUST** **N/A**

Relative: Equal
Actual: 23 ft.

LUST:
Case Number: 94028
Facility Status: CLOSED
Facility Type : Other
Quadrant : SE

UST:
Facility ID: 2000225
Owner: DISTRICT OF COLUMBIA GOVERN

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
65 NE 1/4-1/2 1617 ft.	**WASHINGTON POST NEWSPAPER-SOUTHEAST PLT 225 VIRGINIA AVE SE WASHINGTON, DC 20003**	**RCRIS-SQG FINDS TRIS LUST**	**1000241723 15301WSHNGWO**

Relative: Higher

Actual: 48 ft.

RCRIS:

Owner: WASHINGTON POST NEWSPAPER
(215) 555-1212

EPA ID: DCD003238193

Contact: DOROTHY WYATT
(202) 334-4449

Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 265.16(a)(2)
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 07/12/1994
Actual Date Achieved Compliance: 07/28/1994

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/12/1994
Penalty Type: Not reported

Regulation Violated: 262.41(a)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 03/06/1992
Actual Date Achieved Compliance: 03/09/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/06/1992
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/05/1989
Actual Date Achieved Compliance: 03/26/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/10/1989
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/08/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/05/1989
Actual Date Achieved Compliance: 01/04/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/10/1989
Penalty Type: Not reported

WASHINGTON POST NEWSPAPER-SOUTHEAST PLT (Continued) **1000241723**

There are 4 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19940728
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19920309
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900326
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900326
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900104

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Biennial Reporting System (BRS)
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

LUST:
Case Number: 90031
Facility Status: CLOSED
Facility Type : Other
Quadrant : SE

Case Number: 93060
Facility Status: NFA
Facility Type : Other
Quadrant : SE

S66
WSW
1/4-1/2
1731 ft.

SOUTHEAST FEDERAL CENTER (GSA)
2ND AND M ST., SW
WASHINGTON, DC 20408

CERCLIS 1000212591
RCRIS-SQG 20705MNRLP70
FINDS
TRIS
CORRACTS

Site 1 of 2 in cluster S

Relative:
Lower

Actual:
12 ft.

CERCLIS Classification Data:
Site Incident Category: Oil Spill
Non NPL Status: HRS Ongoing
Ownership Status: Federally Owned
Contact: NICHOLAS J DINARDO
Contact Title: Not reported
Contact: STACIE M. DRISCOLL
Contact Title: Not reported
Contact: STEVEN R HIRSH
Contact Title: Not reported

Federal Facility: Federal Facility
NPL Status: Not on the NPL
Contact Tel: (215) 814-3365
Contact Tel: (215) 814-3368
Contact Tel: (215) 814-3352

CERCLIS Assessment History:
Assessment: DISCOVERY
Completed: 04/06/1988

CERCLIS Site Status:
Not reported

CERCLIS Alias Name(s):
GSA
WASHINGTON OFFICE (GSA)

CORRACTS Data:

EPA Id: DC8470090004
Region: 3
State: DC
Area Name: BLOCK M & BLOCK N
Original Scheduled Date: Not reported
New Scheduled Date: 10/01/1998

SOUTHEAST FEDERAL CENTER (GSA) (Continued) **1000212591**

Actual Date: Not reported
Corrective Action: CA650 - Stabilization Construction Completed

EPA Id: DC8470090004
Region: 3
State: DC
Area Name: BLDGS 160, 167, 170 & 173
Original Scheduled Date: Not reported
New Scheduled Date: 10/01/1998
Actual Date: Not reported
Corrective Action: CA650 - Stabilization Construction Completed

EPA Id: DC8470090004
Region: 3
State: DC
Area Name: ENTIRE FACILITY
Original Scheduled Date: Not reported
New Scheduled Date: 05/04/1999
Actual Date: Not reported
Corrective Action: CA725IN - Current Human Exposures Under Control , More information is needed to make a determination

EPA Id: DC8470090004
Region: 3
State: DC
Area Name: ENTIRE FACILITY
Original Scheduled Date: Not reported
New Scheduled Date: 09/16/1997
Actual Date: Not reported
Corrective Action: CA725IN - Current Human Exposures Under Control , More information is needed to make a determination

EPA Id: DC8470090004
Region: 3
State: DC
Area Name: BLDGS 135, 158, 159, 159E, 187, 204&216
Original Scheduled Date: Not reported
New Scheduled Date: 10/01/1998
Actual Date: Not reported
Corrective Action: CA650 - Stabilization Construction Completed

The CORRACTS database contains 11 additional records for this site.
Please contact your EDR Account Executive for more information.

RCRIS Corrective Action Summary:
Event: RFI Imposition
Event Date: 08/02/1999

Event: Current Human Exposures under Control, More information is needed to make a determination.
Event Date: 05/04/1999

SOUTHEAST FEDERAL CENTER (GSA) (Continued) **1000212591**

Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.
Event Date: 04/27/1999

Event: Stabilization Construction Completed
Event Date: 10/01/1998

Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).
Event Date: 06/15/1998

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date: 09/25/1997

Event: Notice of Contamination
Event Date: 09/16/1997

Event: RFI Imposition
Event Date: 09/16/1997

Event: Current Human Exposures under Control, More information is needed to make a determination.
Event Date: 09/16/1997

Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.
Event Date: 09/16/1997

Event: RFA Determination Of Need For An RFI, RFI is Necessary;
Event Date: 09/16/1997

RCRIS:
Owner: US GOVERNMENT
(215) 555-1212
EPA ID: DC8470090004
Contact: JOSEPH STWART
(202) 472-2240

Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	5735.00	D002	2790.00
D006	2050.00	F003	880.00
U121	2050.00	U240	2050.00

Violation Status: Violations exist

Regulation Violated: 262.41(a)
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 03/06/1992
Actual Date Achieved Compliance: 02/10/1993

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/06/1992
Penalty Type: Not reported

SOUTHEAST FEDERAL CENTER (GSA) (Continued) **1000212591**

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19930210

NY MANIFEST
Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Comperhensive Environmental Response, Compensation and Liability Information System (CERCLIS)
Facility Registry System (FRS)
National Compliance Database (NCDB)
Resource Conservation and Recovery Act Information system (RCRAINFO)

S67
WSW
1/4-1/2
1800 ft.

GREENLEAF SENIOR HOUSING **LUST** **U003541201**
1200 DELAWARE AVENUE. SW **N/A**
WASHINGTON DC, DC 20024

Site 2 of 2 in cluster S

Relative:
Lower

Actual:
13 ft.

LUST:
Case Number: 98089
Facility Status: CLOSED
Facility Type : Commercial
Quadrant : SW

68
South
1/4-1/2
2369 ft.

DC MATERIALS CO. **LUST** **U003294418**
25 POTOMAC AVE, SE **N/A**
WASHINGTON DC, DC 20003

Relative:
Lower

Actual:
19 ft.

LUST:
Case Number: 95078
Facility Status: OPEN
Facility Type : Other
Quadrant : SE

69
South
1/4-1/2
2522 ft.

OPPORTUNITY CONCRETE CORP **RCRIS-SQG** **1000495667**
1601 S CAPITOL ST SW **FINDS** **DCD983968975**
WASHINGTON, DC 20003 **LUST**

Relative:
Equal

Actual:
23 ft.

RCRIS:
Owner: OPPORTUNITY CONCRETE CORP
(202) 488-4138
EPA ID: DCD983968975
Contact: JOSEPH PENTOLINO
(202) 269-3300
Classification: Small Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

OPPORTUNITY CONCRETE CORP (Continued) **1000495667**

Violation Status: Violations exist

Regulation Violated:	262.41
Area of Violation:	GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined:	04/04/1994
Actual Date Achieved Compliance:	04/18/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/04/1994
Penalty Type:	Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-RECORDKEEPING REQUIREMENTS	19940418

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

LUST:

Case Number:	94012
Facility Status:	OPEN
Facility Type :	Other
Quadrant :	SW

70
WNW
1/4-1/2
2562 ft.

DC PUBLIC LIBRARY
920 WESLEY PLACE, SW
WASHINGTON DC, DC

LUST **S105738241**
N/A

Relative:
Lower

Actual:
16 ft.

LUST:

Case Number:	2002090
Facility Status:	CLOSED
Facility Type :	DC Govt - other
Quadrant :	SW

71
SSW
1/4-1/2
2601 ft.

METRO BUILDING SUPPLY
50 Q STREET, SW
WASHINGTON DC, DC

LUST **S102835013**
N/A

Relative:
Higher

Actual:
27 ft.

LUST:

Case Number:	91045
Facility Status:	OPEN
Facility Type :	Other
Quadrant :	SW

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
72 ESE 1/2-1 4371 ft.	**WASHINGTON NAVY YARD** **1014 N STREET SE SUITE 3207** **WASHINGTON, DC 20374**	**CERCLIS** **RCRIS-LQG** **NPL** **CORRACTS**	**1000147680** **DC9170024310**

Relative: Equal

Actual: 23 ft.

CERCLIS Classification Data:

Site Incident Category:	Not reported	Federal Facility:	Federal Facility
Non NPL Status:	Not reported		
Ownership Status:	Federally Owned	NPL Status:	Currently on the Final NPL
Contact:	STACIE M. DRISCOLL	Contact Tel:	(215) 814-3368
Contact Title:	Not reported		
Contact:	STEVEN R HIRSH	Contact Tel:	(215) 814-3352
Contact Title:	Not reported		
Contact:	ROBERT W. STROUD	Contact Tel:	(215) 814-3366
Contact Title:	Not reported		

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	05/01/1981
Assessment:	PRELIMINARY ASSESSMENT	Completed:	05/16/1991
Assessment:	PRELIMINARY ASSESSMENT	Completed:	09/14/1994
Assessment:	HRS PACKAGE	Completed:	02/26/1998
Assessment:	PROPOSAL TO NPL	Completed:	03/06/1998
Assessment:	FINAL LISTING ON NPL	Completed:	07/28/1998
Assessment:	FF RI/FS	Completed:	06/02/1999
Assessment:	FF REMOVAL	Completed:	06/16/1999
Assessment:	FEDERAL INTERAGENCY AGREEMENT	Completed:	06/30/1999
Assessment:	IAG NEGOTIATIONS	Completed:	06/30/1999

CERCLIS Site Status:
Not reported

CERCLIS Alias Name(s):
USN WASHINGTON NAVAL DIST BLDG 170
WASHINGTON NAVY YARD

CORRACTS Data:

EPA Id:	DC9170024310
Region:	3
State:	DC
Area Name:	ENTIRE FACILITY
Original Scheduled Date:	Not reported
New Scheduled Date:	09/22/1998
Actual Date:	Not reported
Corrective Action:	CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority , Corrective Action at the facility or area referred to CERCLA

EPA Id:	DC9170024310
Region:	3
State:	DC
Area Name:	ENTIRE FACILITY
Original Scheduled Date:	Not reported
New Scheduled Date:	08/29/1996
Actual Date:	Not reported
Corrective Action:	CA070YE - RFA Determination Of Need For An RFI, RFIis Necessary

EPA Id:	DC9170024310
Region:	3
State:	DC
Area Name:	ENTIRE FACILITY
Original Scheduled Date:	Not reported
New Scheduled Date:	09/30/1996
Actual Date:	Not reported

WASHINGTON NAVY YARD (Continued) **1000147680**

Corrective Action: CA075HI - CA Prioritization, Facility or areawas assigned a high corrective action priority

EPA Id: DC9170024310
Region: 3
State: DC
Area Name: ENTIRE FACILITY
Original Scheduled Date: 10/15/1997
New Scheduled Date: / /
Actual Date: Not reported
Corrective Action: CA150 - RFI Workplan Approved

EPA Id: DC9170024310
Region: 3
State: DC
Area Name: SITE 16
Original Scheduled Date: Not reported
New Scheduled Date: 08/14/1998
Actual Date: Not reported
Corrective Action: CA150 - RFI Workplan Approved

The CORRACTS database contains 14 additional records for this site.
Please contact your EDR Account Executive for more information.

NPL:
EPA ID: DC9170024310
Region: 03
Federal: Federal
Final Date: 07/28/1998

NPL Contaminant:
NPL Status: Final
Substance Id: A003
Case Num: 7440-36-0
Substance : ANTIMONY AND COMPOUNDS, NOS (SB)
Pathway : NOT INDICATED
GW Scoring : Not reported
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: A038
Case Num: 7440-02-0
Substance : NICKEL AND COMPOUNDS, NOS (NI)
Pathway : NOT INDICATED
GW Scoring : Not reported
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: A048
Case Num: 7782-49-2
Substance : SELENIUM AND COMPOUNDS, NOS (SE)

WASHINGTON NAVY YARD (Continued) **1000147680**

Pathway : NOT INDICATED
GW Scoring : Not reported
SW Scoring : Not reported
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: A005
Case Num: 7440-38-2
Substance : ARSENIC AND COMPOUNDS, NOS (AS)
Pathway : SW
GW Scoring : Not reported
SW Scoring : Observed Release & Toxicity
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: A011
Case Num: 7440-41-7
Substance : BERYLLIUM AND COMPOUNDS, NOS (BE)
Pathway : SW
GW Scoring : Not reported
SW Scoring : Observed Release & Toxicity
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: A020
Case Num: 7440-47-3
Substance : CHROMIUM AND COMPOUNDS, NOS (CR)
Pathway : SW
GW Scoring : Not reported
SW Scoring : Observed Release & Toxicity
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: A046
Case Num: 1336-36-3
Substance : POLYCHLORINATED BIPHENYLS, NOS
Pathway : SW
GW Scoring : Not reported
SW Scoring : Observed Release & Toxicity
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: A049
Case Num: 7440-22-4
Substance : SILVER AND COMPOUNDS, NOS (AG)

WASHINGTON NAVY YARD (Continued) **1000147680**

Pathway : SW
GW Scoring : Not reported
SW Scoring : Observed Release
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: C178
Case Num: 7440-50-8
Substance : COPPER AND COMPOUNDS, NOS (CU)
Pathway : SW
GW Scoring : Not reported
SW Scoring : Observed Release
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: C247
Case Num: 7440-66-6
Substance : ZINC AND COMPOUNDS, NOS (ZN)
Pathway : SW
GW Scoring : Not reported
SW Scoring : Observed Release
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: C460
Case Num: 7439-97-6
Substance : MERCURY
Pathway : SW
GW Scoring : Not reported
SW Scoring : Observed Release
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: D006
Case Num: 7440-43-9
Substance : CADMIUM (CD)
Pathway : SW
GW Scoring : Not reported
SW Scoring : Observed Release & Toxicity
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Status: Final
Substance Id: D008
Case Num: 7439-92-1
Substance : LEAD (PB)

WASHINGTON NAVY YARD (Continued) **1000147680**

Pathway : SW
GW Scoring : Not reported
SW Scoring : Observed Release & Toxicity
Air Scoring: Not reported
Soil Scoring: Not reported
DC Scoring: Not reported
FE Scoring: Not reported

NPL Site:
CERCLIS Id: DC9170024310
Site City: Washington
Site State: DC
NPL Status: Final
Status Date: 07/28/98
Federal Site: Yes
HRS Score: 48.57
GW Score: 0.00
SW Score: 97.14
Air Score: 0.00
Soil Score: 0.00
DC Score: 0.00
FE Score: 0.00

NPL Char:
NPL Status: Final
Category Description: DEPTH TO AQUIFER
Category Value: Unknown

NPL Status: Final
Category Description: DISTANCE TO NEAREST POPULATION
Category Value: >0 and <=1/4 Mile

NPL Status: Final
Category Description: OBSERVED RELEASE-Surface Water
Category Value: Not reported

NPL Status: Final
Category Description: OBSERVED RELEASE-Surface Water Overland Flood Threat
Category Value: Not reported

NPL Status: Final
Category Description: OTHER GROUND WATER USE-Unknown
Category Value: Not reported

NPL Status: Final
Category Description: PHYSICAL STATE-Solid
Category Value: Not reported

NPL Status: Final
Category Description: SITE ACTIVITY WASTE SOURCE-Federal
Category Value: Not reported

NPL Status: Final
Category Description: SITE ACTIVITY WASTE SOURCE-Federal DOD
Category Value: Not reported

NPL Status: Final
Category Description: SITE ACTIVITY WASTE SOURCE-Federal DOD Ordnance Prod/Storage
Category Value: Not reported

NPL Status: Final
Category Description: SURFACE WATER ADJACENT TO SITE-River
Category Value: Contamination

WASHINGTON NAVY YARD (Continued) **1000147680**

RCRIS Corrective Action Summary:

Event: RFI Workplan Approved
Event Date: Not reported

Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).
Event Date: 11/14/1998

Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.
Event Date: 09/22/1998

Event: RFI Workplan Approved
Event Date: 08/14/1998

Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).
Event Date: 06/12/1998

Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).
Event Date: 02/17/1998

Event: RFI Imposition
Event Date: 07/16/1997

Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).
Event Date: 10/26/1996

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date: 09/30/1996

Event: RFA Determination Of Need For An RFI, RFI is Necessary;
Event Date: 08/29/1996

RCRIS:

Owner: OPERNAME
(215) 555-1212
EPA ID: DC9170024310
Contact: PAULINA KHOSA
(202) 433-2926

Classification: Large Quantity Generator
Used Oil Recyc: No
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	4173.00	D002	3567.00
D004	2914.00	D005	2914.00
D006	2914.00	D007	4304.00
D008	1079282.00	D009	9525.00
D011	472.00	D018	1089.00

WASHINGTON NAVY YARD (Continued) **1000147680**

D019	320.00	D029	450.00
D035	432.00	D043	450.00
F002	450.00	F003	882.00
F005	882.00	U044	450.00
U121	320.00	U188	450.00

Violation Status: Violations exist

Regulation Violated: 40 CFR 265.50
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 06/28/1995
Actual Date Achieved Compliance: 01/23/2001

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/17/1989
Penalty Type: Not reported

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/30/1996
Penalty Type: Not reported

Regulation Violated: 40 CFR 265.51(a)
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 05/15/1995
Actual Date Achieved Compliance: 01/23/2001

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/30/1996
Penalty Type: Not reported

Regulation Violated: 40 CFR 265.16
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 02/26/1995
Actual Date Achieved Compliance: 08/13/1998

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/30/1996
Penalty Type: Not reported

Regulation Violated: 40 CFR 262.12
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 02/26/1995
Actual Date Achieved Compliance: 12/19/1996

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/30/1996
Penalty Type: Not reported

Regulation Violated: 40 CFR 262.34(a)(2)
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 02/26/1995
Actual Date Achieved Compliance: 08/13/1998

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/30/1996
Penalty Type: Not reported

Regulation Violated: 40 CFR 265.174
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 02/26/1995
Actual Date Achieved Compliance: 01/23/2001

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/30/1996

WASHINGTON NAVY YARD (Continued) **1000147680**

Penalty Type: Not reported

Regulation Violated: 40 CFR 262.34(a)(3)
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 02/26/1995
Actual Date Achieved Compliance: 08/13/1998

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/30/1996
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/30/1988
Actual Date Achieved Compliance: 05/12/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/17/1989
Penalty Type: Not reported

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/30/1996
Penalty Type: Not reported

There are 8 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20010123
	GENERATOR-GENERAL REQUIREMENTS	19980813
	GENERATOR-GENERAL REQUIREMENTS	19961219
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19980813
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19980813
	GENERATOR-GENERAL REQUIREMENTS	20010123
Detailed Multimedia Inspection	GENERATOR-GENERAL REQUIREMENTS	20010123
Compliance Schedule Evaluation	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19890512
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19890512

NY MANIFEST
Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.
CT MANIFEST
Additional detail is available in CT MANIFEST. Please contact your EDR Account Executive for more information.

MAP FINDINGS - EDR PROPRIETARY HISTORICAL DATABASES

YEAR	NAME	ADDRESS	CITY	ST	DIR.	DIST.	ELEV.	TYPE
1948	" "B MAJOR SERVICE STATION	65 M PL SE	WASHINGTON	DC	SSE	< 1/8	Higher	Gasoline And Oil Service Stations
1954	CAMPBELL TEXACO SERVICE STATION	22 M PL SE	WASHINGTON	DC	SSW	< 1/8	Higher	Gasoline Stations
1948	CAMPBELL TEXACO SERVICE STATION	22 M PL SE	WASHINGTON	DC	SSW	< 1/8	Higher	Gasoline And Oil Service Stations
1954	FULWIDER S ESSO SERVICENTER	1015 S CAPITOL ST SE	WASHINGTON	DC	WNW	< 1/8	Higher	Gasoline Stations
1960	FUTWIDER S ESSO SERVICENTER	1015 SOUTH CAPITOL TER SW	WASHINGTON	DC	WNW	< 1/8	Higher	Gasoline Stations
1940	HATTON ELIZ L MRS	20 M PL SE	WASHINGTON	DC	SW	< 1/8	Higher	Gasoline And Oil Service Stations
1954	MAJOR SERVICE STATION	65 M PL SE	WASHINGTON	DC	SSE	< 1/8	Higher	Gasoline Stations
1943	MAJOR SERVICE STATION	65 M PL SE	WASHINGTON	DC	SSE	< 1/8	Higher	Gasoline And Oil Service Stations
1954	MILLMAN S SUNOCO SERVICE STATION	50 M PL SE	WASHINGTON	DC	South	< 1/8	Higher	Gasoline Stations
1940	PELICANO RICHD D	65 M PL SE	WASHINGTON	DC	SSE	< 1/8	Higher	Gasoline And Oil Service Stations
1960	ARISTO CLEANERS & DYERS (OFC)	1226 S CAPITOL ST SE	WASHINGTON	DC	SW	1/8-1/4	Higher	Cleaners And Dyers
1954	ARISTO CLEANERS & DYERS MAIN OFC	1226 S CAPITOL ST SE	WASHINGTON	DC	SW	1/8-1/4	Higher	Cleaners And Dyers
1940	ARISTO CLEANERS & DYERS PLANT	1226 S CAPITOL ST SE	WASHINGTON	DC	SW	1/8-1/4	Higher	Clothes Pressers And Cleaners
1931	ASHTON PRESTON	51 M PL SW	WASHINGTON	DC	WSW	1/8-1/4	Higher	Clothes Pressers And Cleaners
1954	BARHOUR S SERVICE STATION	140 M PL SE	WASHINGTON	DC	ESE	1/8-1/4	Higher	Gasoline Stations
1936	BLAND JOHN	148 M PL SE	WASHINGTON	DC	ESE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1940	BLAND JOHN M	148 M PL SE	WASHINGTON	DC	ESE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1926	CALHOUN LEON	51 M PL SW	WASHINGTON	DC	WSW	1/8-1/4	Higher	Dyers And Cleaners
1960	CAMPBELL S AUTO SERVICE	1327 S CAPITOL ST SE	WASHINGTON	DC	SSW	1/8-1/4	Higher	Automobile Repairing
1964	CAMPBELL S GARAGE	1327 S CAPITOL ST SE	WASHINGTON	DC	SSW	1/8-1/4	Higher	Automobile Repairing
1954	CAPITAL LAUNDRY & DRY CLEANERS	16 M PL SW	WASHINGTON	DC	WSW	1/8-1/4	Higher	Cleaners And Dyers
1922	CLOMAX ARTHUR	1208 HOWISON PL SW	WASHINGTON	DC	WSW	1/8-1/4	Lower	Automobile Repairs
1922	CLOMAX BROS	68 M PL SW	WASHINGTON	DC	WSW	1/8-1/4	Same	Automobile Repairs
1931	COLEMAN JOHN F	1013 2ND PL SE	WASHINGTON	DC	ENE	1/8-1/4	Higher	Automobile Repairing
1931	FARMER ALVIN J	148 M PL SE	WASHINGTON	DC	ESE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1936	GARBLEY TIP	124 M PL SE	WASHINGTON	DC	ESE	1/8-1/4	Higher	Clothes Pressers And Cleaners
1964	KERGE S AMERICAN SERVICE	1244 SOUTH CAPITOL ST SW	WASHINGTON	DC	SSW	1/8-1/4	Higher	Gasoline Stations
1954	NAVAL ESSO SERVICE STATION	212 M PL SE	WASHINGTON	DC	ESE	1/8-1/4	Higher	Gasoline Stations
1948	NAVAL SERVICE STATION	212 M PL SE	WASHINGTON	DC	ESE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1943	NAVAL SERVICE STATION	212 M PL SE	WASHINGTON	DC	ESE	1/8-1/4	Higher	Gasoline And Oil Service Stations
1940	QUALITY LAUNDRY & DRY CLEANING CO INC, 16 M PL SW		WASHINGTON	DC	WSW	1/8-1/4	Higher	Laundries-Steam
1931	QUALITY LAUNDRY CO INC	12 M PL SW	WASHINGTON	DC	WSW	1/8-1/4	Higher	Laundries-Steam
1926	QUALITY LAUNDRY CO INC	18 M PL SW	WASHINGTON	DC	WSW	1/8-1/4	Higher	Laundries
1948	REECE JOHN S	1114 HALF ST SW	WASHINGTON	DC	WNW	1/8-1/4	Higher	Automobile Repairing

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WASHINGTON	S104918526	EPIS.CHURCH HOME-SEVIER HOUSE	1515 32ND (3124 Q) ST, NW		LUST
WASHINGTON	S105738299	THE WALTON COMPANIES	(LOT 817) 1110 K STREET, NW		LUST
WASHINGTON	S103816829	SMITHSONIAN BUILDING	10TH / CONSTITUTION AVENUE,		LUST
WASHINGTON	1005440672	CUSTIS & BROWN BARGE SPILL	12TH AND WATER STREETS, SW	20024	CERCLIS, FINDS
WASHINGTON	1003867339	ARCHIBALD GLOVER PARK OUTFALL OIL	42ND & EDMUND STREET, N.W.	20024	CERC-NFRAP
WASHINGTON	S105029659	DC DEPT. PUBLIC WORKS	2000 ADAMS STREET, NE		LUST
WASHINGTON	S103817062	FORMER SEARS STORE	4101 ALBEMARLE STREET, NW		LUST
WASHINGTON	S105738242	DC PUBLIC LIBRARY	115 ATLANTIC STREET, SW		LUST
WASHINGTON	S104918458	DPW	101 ATLANTIC STREET, SE		LUST
WASHINGTON	S104918790	BRANDYWINE HIGHLAND APTS.	721 BRANDYWINE STREET, SE		LUST
WASHINGTON	S105029666	HOWARD U. - 4TH & BRYANT	4TH / BRYANT STREET., NW		LUST
WASHINGTON	S104298186	C&P TELEPHONE	1350 BUCHANAN STREET, NW		LUST
WASHINGTON	S103816952	ENVOY APARTMENTS	2144 CALIFORNIA STREET, NW		LUST
WASHINGTON	S104918756	BORGER MANAGEMENT, INC.	5215 NORTH CAP. STREET, NE		LUST
WASHINGTON	S104918463	1018 E. CAPITOL CONDOMINIUM	1018 EAST CAP. STREET, NE		LUST
WASHINGTON	S105029748	WASHINGTON NAVY YARD	2701 SOUTH CAPITAL STREET, SW,		LUST
WASHINGTON	S102834998	SUNOCO	4635 SOUTH CAPITOL ST., SW		LUST
WASHINGTON	S102835000	EXXON	4650 S. CAPITOL STREET, SE		LUST
WASHINGTON	S105029696	DOUGLAS DEVELOPMENT CORP.	1415 N. CAPITOL STREET, NE		LUST
WASHINGTON	S105029742	SHELL	4700 SOUTH CAPITOL STREET		LUST
WASHINGTON	S105260086	DC - PUBLIC SCHOOL	4300 NORTH CAPITOL STREET		LUST
WASHINGTON	S103817188	EXXON	N. CAPITOL AND RIGGS RD, NE		LUST
WASHINGTON	S103817189	US GOVT PRINTING OFFICE	NORTH CAPITOL AND H STREET, NW		LUST
WASHINGTON	S102834956	SOLDIERS/AIRMEN'S HOME	3700 NORTH CAPITOL STREET, NW		LUST
WASHINGTON	S103534562	NORFORK COOP.	5200 NORTH CAPITOL STREET, NW		LUST
WASHINGTON	S103534616	SOUTH NEW CAPITAL, LLC	825 N. CAPITOL STREET, NE		LUST
WASHINGTON	S103817030	GREENWAY APTS.	3525 E. CAPITOL STREET		LUST
WASHINGTON	S103817087	EXXON	4650 SOUTH CAPITOL STREET, SE		LUST
WASHINGTON	S105811101	SQUARE 669 LTD	NORTH CAPITOL STREET AND P STR		LUST
WASHINGTON	S104918810	US GOVERNMENT PRINTING OFFICE	NORTH CAPITOL AND H STS, NW		LUST
WASHINGTON	S104918620	ANACOSTIA NAVAL STATION, BLDG 351	2701 SOUTH CAPITOL STREET., SW		LUST
WASHINGTON	S104918621	ANACOSTIA NAVAL STATION, BLDG 155	2701 SOUTH CAPITOL STREET		LUST
WASHINGTON	S104918623	ANACOSTIA NAVAL STN. SHOP 21D	2701 SOUTH CAPITOL ST., SW		LUST
WASHINGTON	S104918688	NATIONAL BANK OF WASH. BLDG.	3850 S. CAPITOL STREET., SE		LUST
WASHINGTON	S104918729	DC ENGINE CO. # 14	4801 N. CAPITOL STREET., NE		LUST
WASHINGTON	S102834912	TAKOMA FUNERAL HOME	254 CARROLL STREET, NW		LUST
WASHINGTON	S103816912	THE SAXONY BUILDING	1801 CLYDESDALE PLACE, NW		LUST
WASHINGTON	S103534515	US DISTRICT COURT HOUSE	3RD / CONSTITUTION AVENUE, N		LUST
WASHINGTON	S104918544	DPW PROPERTY - 1725 FENWICK	1725 FENWICK STREET, NE		LUST
WASHINGTON	S104918562	ARCHITECT OF THE CAPITOL, DIRKSEN	200 FIRST STREET, NW		LUST
WASHINGTON	S104918453	ARCHITECT OF THE CAPITOL, RAYBURN	100 FIRST STREET, SW		LUST
WASHINGTON	S103816995	MUSCLE, INC.	2829 GAINESVILLE STREET, SE		LUST
WASHINGTON	S104918500	CIH UPLANDS LIMITED PARTNERSHIP	127 GALVESTON STREET, SW		LUST

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WASHINGTON	S103534610	GIRARD HOUSE APTS.	744 GIRARD STREET, NW		LUST
WASHINGTON	S103534309	GOODYEAR ASC	1112 HALF STREET., SW		LUST
WASHINGTON	S104918798	DHS RANDALL BLDG	820 HALF STREET, SW		LUST
WASHINGTON	S105738238	DC PUBLIC LIBRARY	1801 HAMTIN STREET, NW		LUST
WASHINGTON	S103534620	MARINE BARRACKS, U.S.	8TH / I STREET, SE		LUST
WASHINGTON	S105029665	WASH.HOSPITAL CNTR TK #5	110 IRVING STREET, NW		LUST
WASHINGTON	S104918572	CALOMARIS COMPANY INC	21 KENNEDY STREET, NW		LUST
WASHINGTON	S105738293	POTOMAC CREEK LIMITED	955 L"ENFANT PLAZA, NORTH		LUST
WASHINGTON	1004681879	PPR BUZZARD POINT GEN STATION	1ST & S STREETS SW	20024	RCRIS-LQG, FINDS
WASHINGTON	U003865183	GIDDINGS ADMINISTRATION BUILDING	315 G ST SE	20003	UST
WASHINGTON	U003885949	LAUNDROMAT	1530 1ST ST SW	20024	UST
WASHINGTON	S103816839	C & P TELEPHONE	1200 H ST, NW		LUST
WASHINGTON	S103534449	POTOMAC CAP INVESTING	30 M ST, NE		LUST
WASHINGTON	S104918647	3325 M STREET-COMMERCIAL	3325 M ST, NW		LUST
WASHINGTON	S103534370	1730 M ST., L.P.	1730 M ST. NW		LUST
WASHINGTON	S103817033	CARBARN	3600 M ST. NW		LUST
WASHINGTON	S103534320	CARRAMERICA	1201 F ST., NW		LUST
WASHINGTON	S103534469	UNITED DRUG SERVICE	331 N ST., NE		LUST
WASHINGTON	S104918680	GEORGETOWN UNIVERSITY RYAN BLG.	3700 O ST., NW		LUST
WASHINGTON	S103534308	MANULIFE REAL ESTATE	1111 E ST./500 11TH ST., NW		LUST
WASHINGTON	S104918555	APT. BUILDING - BORAC COMPANY	1828 Q STREET SE		LUST
WASHINGTON	S105029707	THE INVESTMENT BUILDING	1511 K STREET NW		LUST
WASHINGTON	1000241757	WASHINGTON GAS LIGHT CO	1200 N STREET SE	20003	CERCLIS, RCRIS-SQG, FINDS, ROD
WASHINGTON	S104298184	AMOCO	1301 M STREET		LUST
WASHINGTON	S105029688	DCFD ENGINE 13	2119 G STREET NW		LUST
WASHINGTON	S105029691	ARCHITECT OF THE CAPITOL - POWER P	I STREET SE		LUST
WASHINGTON	S105029713	DC DEPT HOUSING & COMMUNITY DEV	59 M STREET NE		LUST
WASHINGTON	S103997237	WOODWARD & LOTHROP	1025 F STREET		LUST
WASHINGTON	S105260043	UNION STATION VENTURES	131 M STREET (TANK #6)		LUST
WASHINGTON	S105260067	ROADSIDE DEVELOPMENT, INC.	1400 O STREET		LUST
WASHINGTON	S105260073	CONCORD PARTNERS	1328-32 G STREET		LUST
WASHINGTON	S105260074	JBG REAL ESTATE ASSOCIATES, XXI IN	1300 N STREET		LUST
WASHINGTON	S105260088	WMATA	M STREET NORTH TO FLORIDA AVEN		LUST
WASHINGTON	S103816836	L.G. INDUSTRIES	1140 3RD STREET NE		LUST
WASHINGTON	S103816914	THE WORLD BANK	1809 G STREET		LUST
WASHINGTON	S105738231	M STREET DEVELOPER	310 M STREET		LUST
WASHINGTON	S104918768	BELL ATLANTIC-WASHINGTON, DC	58 L STREET		LUST
WASHINGTON	S104918580	SQUARE 74 - 2118 K ST NW	2118 K STREET NW		LUST
WASHINGTON	S104918592	THE WASHINGTON POST (FUEL ST.)	841 2ND STREET		LUST
WASHINGTON	S104918454	JIMMY TIRE & AUTO SERVICE	100 K STREET NE		LUST
WASHINGTON	S104918469	FT MCNAIR - FITNESS CENTER	103 3RD STREET		LUST
WASHINGTON	S105738280	NAVY DISTRICT WASHINGTON	901 M STREET BLDG 184,		LUST
WASHINGTON	S105738282	MT. VERNON DEV. GP. LTD	934 3RD STREET		LUST
WASHINGTON	S105738290	WILLIAM LEE PROPERTY	1530 1ST STREET		LUST
WASHINGTON	S104918596	GW UNIV. WARWICK BUILDING	2300 K STREET, NW		LUST
WASHINGTON	S104918558	APT. BUILDING (CAPITAL CITY PR)	1881 3RD STREET, NW		LUST
WASHINGTON	S103817006	GSA - H.O.L.C. BUILDING	320 1ST STREET, NW		LUST

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WASHINGTON	S104232508	NEW PEPCO BUILDING	777 9TH STREET, NW		LUST
WASHINGTON	S103816906	RIDDELL BUILDING	1730 K STREET, NW		LUST
WASHINGTON	S103817090	LANSBURG BUILDING	480 8TH STREET, NW		LUST
WASHINGTON	S103817169	GWU, BUILDING K	817 23RD STREET, NW		LUST
WASHINGTON	S105260049	APARTMENT BUILDING (BARAC CO)	3945 4TH STREET, SE		LUST
WASHINGTON	S102834862	2000 L STREET	2000 L STREET, NW		LUST
WASHINGTON	S103817004	HUBERT MILLER	3124 Q STREET, NW		LUST
WASHINGTON	S102835037	BRAWNER CO.	5605 2ND STREET, NE		LUST
WASHINGTON	S105029667	C & P TELEPHONE - 62 L	62 L STREET, NE		LUST
WASHINGTON	S105029694	80 M TRACKS LTD PARTNERS	80 M STREET, SE		LUST
WASHINGTON	S105029695	BENNING HEIGHT LIMITED	4400 E STREET, SE		LUST
WASHINGTON	S105029697	NATIONAL ACADEMY OF SCIENCES	500 5TH STREET, NW		LUST
WASHINGTON	S105029699	WELCH FAMILY LTD PARTNERSHIP	125 V STREET, NW		LUST
WASHINGTON	S105029705	THE GEORGE WASHINGTON UNIVERSITY	2115 G STREET, NW		LUST
WASHINGTON	S105029706		35 K STREET, NE		LUST
WASHINGTON	S105029710	DEVELOPMENT RESOURCES, INC.	800 8TH STREET, NW		LUST
WASHINGTON	S105029717	HOWARD UNIVERSITY	527 U STREET, NW		LUST
WASHINGTON	S105029731	CAFRITZ, INC.	1625 I STREET, NW		LUST
WASHINGTON	S105029739	LINCOLN PROPERTY COMPANY	1333 F STREET, NW		LUST
WASHINGTON	S103997235	WASHINGTON NAVY YARD	901 M STREET, SE		LUST
WASHINGTON	S105260047	UNION STATION VENTURE	131 M STREET,		LUST
WASHINGTON	S105260051	JETU INC	851/853 21ST STREET, NE		LUST
WASHINGTON	S105260070	SEED SCHOOL	4300 C STREET, SE		LUST
WASHINGTON	S105260081	THE DAVIS COMPANY	1629 K STREET, NW		LUST
WASHINGTON	S105260085	MDC LAND	2201 2ND STREET, NW		LUST
WASHINGTON	S105260089	AVALON AT GALLERY PLACE	770 5TH STREET, NW		LUST
WASHINGTON	S103816824	CAPITAL CAB	1033 3RD STREET, NE		LUST
WASHINGTON	S103816841	UNKNOWN	1201 F STREET, NW		LUST
WASHINGTON	S103816847	AMOCO	1231 N STREET, NW		LUST
WASHINGTON	S103816873	FIDELITY STORAGE CO.	1420 U STREET, NW		LUST
WASHINGTON	S103816875	TOWER TERRACE WEST	1440 N STREET, NW		LUST
WASHINGTON	S103816891	CAFRITZ COMPANY	1660 L STREET, NW		LUST
WASHINGTON	S103816894	K STREET INC.	1701 K STREET, NW		LUST
WASHINGTON	S103534318	MOUNT CLARE PROPERTIES	1201 1ST STREET, NE		LUST
WASHINGTON	S103534342	AMOCO	1317 9TH STREET, NW		LUST
WASHINGTON	S103534354	H. B. LEARY JR. & BROS., INC.	1612 U STREET, NW		LUST
WASHINGTON	S103534369	RIGGS NATIONAL BANK	1725 K STREET, NW		LUST
WASHINGTON	S103534465	BUZZARD POINT GENERATING STA.	33 V STREET, SW		LUST
WASHINGTON	S103534470	GEORGE WHITE	3337 N STREET, NW		LUST
WASHINGTON	S103534501	GEORGETOWN U.	3700 O STREET, NW		LUST
WASHINGTON	S103534613	AMOCO - FORMER	801 M STREET, NW		LUST
WASHINGTON	S103534618	9TH AND EYE ASSOCIATES	831 9TH STREET, NW		LUST
WASHINGTON	S103817042	GEORGETOWN U - ICC	3700 O STREET, NW		LUST
WASHINGTON	S103816903	CAFRITZ	1725 I STREET, NW		LUST
WASHINGTON	S103816929	EMPIRE APARTMENTS	2000 F STREET, NW		LUST
WASHINGTON	S103816932	DISTRICT PAVING	2001 5TH STREET, NE		LUST
WASHINGTON	S103816937	RCA GLOBAL	2030 M STREET, NW		LUST

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WASHINGTON	S103816938	GWU ADAMS HALL	2100 I STREET, NW		LUST
WASHINGTON	S103816945	FORMER HARTNETT HALL	2116 P STREET, NW		LUST
WASHINGTON	S103816954	2200 M ST. LCC	2200 M STREET, NW		LUST
WASHINGTON	S103816955	CHEVRON	2200 P STREET, NW		LUST
WASHINGTON	S103816957	INTOWN MINI STORAGE	2215 5TH STREET, NE		LUST
WASHINGTON	S103816967	PARK CREST APPARTMENTS	2324 41ST STREET, NW		LUST
WASHINGTON	S102834786	BLAIR APT. CORPORATION	1321 M STREET, NW		LUST
WASHINGTON	S105738192	OLD HECHT'S BLDG	575 7TH STREET, NW		LUST
WASHINGTON	S105738200	NATIONAL CHILD DAY CARE ASSO.	2229 M STREET, NE		LUST
WASHINGTON	S105738213	JOHN AKRIDGE	900 7TH STREET, NW		LUST
WASHINGTON	S105811145	THE NEW CONVENTION CENTER	800 M STREET, NW		LUST
WASHINGTON	S105811148	THE NEW CONVENTION CENTER	1234-36 9TH STREET, NW		LUST
WASHINGTON	S105811161	THE NEW CONVENTION CENTER	1018 8TH STREET, NW		LUST
WASHINGTON	S103997224	5TH ST. FUELING STATION	2115 5TH STREET, NE		LUST
WASHINGTON	S103997228	DC HOUSING AUTHORITY	3815-17 9TH STREET, SE		LUST
WASHINGTON	S103534399	GW U. - GELMAN LIBRARY	2130 H STREET, NW		LUST
WASHINGTON	S103534401	OLD GAS STATION	2133 10TH STREET, NW		LUST
WASHINGTON	S103817159	DOUGLAS DEVELOPMENT	77 P STREET, NE		LUST
WASHINGTON	S103817165	CHEVRON	801 9TH STREET, NW		LUST
WASHINGTON	S103817166	JEFFERSON JUNIOR H.S.	801 I STREET, SW		LUST
WASHINGTON	S104918753	FORMER HUMBLE OIL GAS STATION	513 E STREET, NW		LUST
WASHINGTON	S104918762	DC DHCD - FRMR. GAS STATION	54 G STREET, NW		LUST
WASHINGTON	S104918777	MARTIN & BOYDS SPRINGWORKS, INC.	624 L STREET, NW		LUST
WASHINGTON	S104918802	NEW CONVENTION CENTER-MOUNT VERN	900 9TH STREET, NW		LUST
WASHINGTON	S104918805	AUTO REPAIR SERVICE STATION	934 3RD STREET, NW		LUST
WASHINGTON	S104918533	DC METRO POLICE, 3RD DIST.	1630 V STREET, NW		LUST
WASHINGTON	S104918534	RANDLE HIGHLAND ELEMENTARY	1650 30TH STREET, SE		LUST
WASHINGTON	S104918535	KRAMER JUNIOR HIGH SCHOOL	1700 Q STREET, SE		LUST
WASHINGTON	S104918537	DC DHCD - FRMR. MANHATTAN AUTO	1701 7TH STREET, NW		LUST
WASHINGTON	S104918547	NATIONAL ASS. OF SECUR. DEALER	1735 K STREET, NW		LUST
WASHINGTON	S104918549	PEPCO BUZZARD - TANK # 1	180 S STREET, SW		LUST
WASHINGTON	S104918552	WILLIAMSBURG PROPERTY INC.	1815 P STREET, SE		LUST
WASHINGTON	S104918566	EMBASSY SQUARE - SUMMERFIELD HOTEL	2000 N STREET, NW		LUST
WASHINGTON	S104918573	2100 COOPERATIVE ASSOC.	2100 19TH STREET, NW		LUST
WASHINGTON	S104918576	FORMER SINCLAIR/CITGO GAS STATION	2101 11TH STREET, NW		LUST
WASHINGTON	S104918581	CIRCLE CO. - 2118 K ST	2118 K STREET, NW		LUST
WASHINGTON	S104918582	DC FIRE ENGINE COMPANY 23	2119 G STREET, NW		LUST
WASHINGTON	S104918591	GEORGE WASHINGTON UNIVERSITY	2222 I STREET, NW		LUST
WASHINGTON	S104918604	EMBASSY OF NEITHERLANDS	2345 S STREET, NW		LUST
WASHINGTON	S104918607	WASHINGTON AQUEDUCT DIVISION	2500 1ST STREET, NW		LUST
WASHINGTON	S104918612	THE JOHN F. KENNEDY CENTER	2700 F STREET, NW		LUST
WASHINGTON	S104918649	BALLOU SENIOR HIGH SCHOOL	3401 4TH STREET, SE		LUST
WASHINGTON	S104918667	NPS FT DUPONT - MAINT. YRD.	3600 F STREET, SE		LUST
WASHINGTON	S104918685	FAIRFAX VILLAGE APARTMENTS	3809 V STREET, SE		LUST
WASHINGTON	S104918741	DC DPW	500 F STREET, NW		LUST
WASHINGTON	S104918483	1105 W STREET NW, PROPERTY	1105 W STREET, NW		LUST
WASHINGTON	S104918489	C & P TELEPHONE - 1200 H	1200 H STREET, NW		LUST

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WASHINGTON	S104918505	247 ASSOCIATES, L.P. - EXXON	1301 L STREET, NW		LUST
WASHINGTON	S104918507	JOHN AKRIDGE COMPANY	1310 G STREET, NW		LUST
WASHINGTON	S104918514	HAGNER MANAGEMENT CORPORATION	1333 H STREET, NW		LUST
WASHINGTON	S104918515	SOME - 1338 R STREET, N.W.	1338 R STREET, NW		LUST
WASHINGTON	S104918529	DC ENGINE CO. # 9	1617 U STREET, NW		LUST
WASHINGTON	S105738281	DC DEPARTMENT OF HOUSING AND COM	59 M STREET, NE		LUST
WASHINGTON	S105738297	UPTOWN PARTNERS, LLC C/O METROP	1390 V STREET,		LUST
WASHINGTON	S102997105	DPW FLEET MANAGEMENT	145 O STREET. NE		LUST
WASHINGTON	S104918545	METROPOLITAN LIFE INSURANCE CO.	1726 M STREET. NW		LUST
WASHINGTON	S102834808	THE INVESTMENT BUILDING	1511 K STREET., NW		LUST
WASHINGTON	S103816888	FORMER CAFRITZ BUILDING I	1625 I STREET., NW		LUST
WASHINGTON	S102834939	JULIEN J STUDLEY INC.	318 I STREET., NE		LUST
WASHINGTON	S102834874	NATIONS BANK TRUST	2113 5TH STREET., NE		LUST
WASHINGTON	S105029684	UNION STATION VENTURE	131 M STREET., NE (TANK #6)		LUST
WASHINGTON	S103816821	FT. MCNAIR - GAS STATION	103 3RD STREET., SW		LUST
WASHINGTON	S103534284	FT. MCNAIR - BLDG 35	103 3RD STREET., SW		LUST
WASHINGTON	S103534363	B.F. SAUL COMPANY	1712 I STREET., NW		LUST
WASHINGTON	S103817074	HALLEY GARDENS APTS	4307 1ST STREET., SW		LUST
WASHINGTON	S104918778	SPORTS COMMISION ARENA SQR. 455	635 F STREET., NW		LUST
WASHINGTON	S104918542	GENERAL SERVICE ADMINSTRATION	1724 F STREET., NW		LUST
WASHINGTON	S104918559	GEORGE WASH. U - THURSTON HALL	1900 F STREET., NW		LUST
WASHINGTON	S104918590	GEORGE WASH. U MUNSON HALL	2212 I STREET., NW		LUST
WASHINGTON	S104918679	GEORGETOWN U.-OBSERVATORY	3700 O STREET., NW		LUST
WASHINGTON	S104918467	FT. MCNAIR - QUARTERS #20	103 3RD STREET., SW		LUST
WASHINGTON	S104918485	FARRAGUT DEVELOPMENT CO.	1119 I STREET., NW		LUST
WASHINGTON DC	S102834832	STEUART INVESTMENT CO.	1724 S. CAPITOL ST, SE	20003	LUST
WASHINGTON DC	S102835010	MARFAIR JOINT VENTURE	499 S. CAPITOL STREET, SW	20003	LUST
WASHINGTON DC	S103816846	PUBLIC STORAGE	1230 SOUTH CAPITOL STREET, SE	20003	LUST
WASHINGTON DC	S103816880	HOLY COMFORTER CHURCH	1503 E. CAPITOL STREET. SE	20003	LUST
WASHINGTON DC	S103816900	STEUART PETROLEUM	1721 S. CAPITOL STREET, SW	20003	LUST
WASHINGTON DC	S105260060	DC PUBLIC SCHOOLS	1700 EAST CAPITOL STREET, NE	20003	LUST
WASHINGTON DC	S105260082	WASHINGTON REAL ESTATE INVESTMENT	1501 SOUTH CAPITOL STREET, SW	20003	LUST
WASHINGTON DC	S102834865	CAPITAL PARK TOWERS	201 I STREET SW	20024	LUST
WASHINGTON DC	S103816814	TOWN CENTER PLAZA	1001 3RD STREET, SW	20024	LUST
WASHINGTON DC	S103816898	AT&T - 1714 2ND ST SW	1714 2ND STREET, SW	20024	LUST
WASHINGTON DC	S103817185	EXXON	970 D STREET, SW	20024	LUST
WASHINGTON DC	S104918563	NPS - JAMES CREEK MARINA	200 V STREET, SW	20024	LUST
WASHINGTON DC	S104918716	DPW	450 6TH STREET, SW	20024	LUST
WASHINGTON DC	S105260055	DC PUBLIC SCHOOL	401 I STREET, SW	20024	LUST
WASHINGTON DC	S105260065	BOWEN ELEMENTARY SCHOOL	101 M STREET, SW	20024	LUST
WASHINGTON DC	S105738212	TOWN CENTER LTD PTNER OD DC	1100 6TH STREET, SW	20024	LUST
WASHINGTON DC	S102834858	WMATA	20 M STREET, SE	20003	LUST
WASHINGTON DC	S102834859	CAPITAL HILL SUITES HOTEL	200 C STREET, SE	20003	LUST
WASHINGTON DC	S103534324	DC HOUSING AUTHORITY	1225 G STREET, SE	20003	LUST
WASHINGTON DC	S103534574	VIRGINIA PAVING	60 P STREET, SE	20003	LUST
WASHINGTON DC	S103534592	ELLEN WILSON DWELLING	636 I STREET, SE	20003	LUST
WASHINGTON DC	S103816863	STEUART PETROLEUM	1333 M STREET, SE	20003	LUST

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WASHINGTON DC	S103817101	SUNOCO	50 M STREET, SE	20003	LUST
WASHINGTON DC	S104918497	DC DPW FLEET MANAGEMENT	125 O STREET, SE	20003	LUST
WASHINGTON DC	S105260050	LERNER ENTERPRISES	20 M STREET, SE	20003	LUST
WASHINGTON DC	S105738204	SQUARE 742 LLC	140 M STREET, SE	20003	LUST

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D011	SILVER
D018	BENZENE
D019	CARBON TETRACHLORIDE
D029	1,1-DICHLOROETHYLENE
D035	METHYL ETHYL KETONE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
D043	VINYL CHLORIDE
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

EPA Waste Codes Addendum

Code	Description
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
U044	CHLOROFORM
U044	METHANE, TRICHLORO-
U121	METHANE, TRICHLOROFLUORO-
U121	TRICHLOROMONOFLUOROMETHANE
U188	PHENOL
U240	ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS
U240	2,4-D, SALTS & ESTERS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/29/03
Date Made Active at EDR: 03/04/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/04/03
Elapsed ASTM days: 28
Date of Last EDR Contact: 05/09/03

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 6
Telephone: 214-655-6659

EPA Region 8
Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 01/29/03
Date Made Active at EDR: 03/04/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/04/03
Elapsed ASTM days: 28
Date of Last EDR Contact: 05/05/03

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/19/03
Date Made Active at EDR: 04/08/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/24/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 03/24/03

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 03/19/03
Date Made Active at EDR: 04/08/03
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/24/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 03/24/03

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/31/03
Date Made Active at EDR: 05/08/03
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 04/07/03
Elapsed ASTM days: 31
Date of Last EDR Contact: 03/10/03

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 09/09/02
Date Made Active at EDR: 10/28/02
Database Release Frequency: Varies
Date of Data Arrival at EDR: 09/24/02
Elapsed ASTM days: 34
Date of Last EDR Contact: 04/18/03

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/01
Date Made Active at EDR: 07/15/02
Database Release Frequency: Annually
Date of Data Arrival at EDR: 07/02/02
Elapsed ASTM days: 13
Date of Last EDR Contact: 04/28/03

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/99
Database Release Frequency: Biennially
Date of Last EDR Contact: 03/17/03
Date of Next Scheduled EDR Contact: 06/16/03

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies
Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/09/03
Database Release Frequency: Annually

Date of Last EDR Contact: 04/07/03
Date of Next Scheduled EDR Contact: 07/07/03

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/29/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/05/03
Date of Next Scheduled EDR Contact: 08/04/03

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/14/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/07/03
Date of Next Scheduled EDR Contact: 07/07/03

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 11/30/02
Database Release Frequency: Annually

Date of Last EDR Contact: 04/25/03
Date of Next Scheduled EDR Contact: 07/21/03

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/16/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/07/03
Date of Next Scheduled EDR Contact: 07/07/03

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 03/11/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/31/03
Date of Next Scheduled EDR Contact: 06/30/03

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/27/03
Date of Next Scheduled EDR Contact: 08/25/03

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/12/02
Database Release Frequency: Annually
Date of Last EDR Contact: 05/12/03
Date of Next Scheduled EDR Contact: 08/11/03

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-648-5920
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 04/01/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 05/12/03
Date of Next Scheduled EDR Contact: 08/11/03

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 03/10/03
Date of Next Scheduled EDR Contact: 06/09/03

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/00
Database Release Frequency: Annually
Date of Last EDR Contact: 03/25/03
Date of Next Scheduled EDR Contact: 06/23/03

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/98
Database Release Frequency: Every 4 Years
Date of Last EDR Contact: 03/06/03
Date of Next Scheduled EDR Contact: 06/09/03

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/15/03
Database Release Frequency: Quarterly
Date of Last EDR Contact: 06/24/03
Date of Next Scheduled EDR Contact: 06/23/03

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/00
Database Release Frequency: Annually

Date of Last EDR Contact: 04/23/03
Date of Next Scheduled EDR Contact: 07/21/03

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/15/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/24/03
Date of Next Scheduled EDR Contact: 06/23/03

DISTRICT OF COLUMBIA ASTM STANDARD RECORDS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
Source: EPA
Telephone: 202-535-2277
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Made Active at EDR: N/A
Database Release Frequency: N/A

Date of Data Arrival at EDR: N/A
Elapsed ASTM days: N/A
Date of Last EDR Contact: 03/26/03

LUST: District of Columbia LUST Cases
Source: Department of Health
Telephone: 202-442-5977
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/28/03
Date Made Active at EDR: 05/29/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/05/03
Elapsed ASTM days: 24
Date of Last EDR Contact: 03/17/03

UST: Underground Storage Tank Database List
Source: Department of Health
Telephone: 202-442-5977
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/28/03
Date Made Active at EDR: 05/30/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/05/03
Elapsed ASTM days: 25
Date of Last EDR Contact: 03/17/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DISTRICT OF COLUMBIA ASTM SUPPLEMENTAL RECORDS

AST: List of Aboveground Storage Tanks
Source: Department of Health
Telephone: 202-727-7218

Date of Government Version: 07/19/99
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/17/03
Date of Next Scheduled EDR Contact: 06/16/03

EDR PROPRIETARY HISTORICAL DATABASES

EDR Historical Gas Station and Dry Cleaners: EDR has searched select national collections of business directories and has collected listings of potential dry cleaner and gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning and gas station/filling station/service station establishments. The categories reviewed included, but were not limited to: *gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, dry cleaner, cleaners, laundry, laundromat, cleaning/laundry, wash & dry, etc.*

This information is meant to assist and complement environmental professionals in their conduct of environmental site assessments, and is not meant to be a substitute for a full historical investigation as defined in ASTM E1527. The information provided in this proprietary database may or may not be complete; i.e., the absence of a dry cleaner or gas station/filling station/service station site does not necessarily mean that such a site did not exist in the area covered by this report.

(A note on "dry cleaning" sites: it is not possible for EDR to differentiate between establishments that use PERC on-site as a cleaning solvent and sites that function simply as drop-off and pick-up locations or that are traditional wet cleaning/laundry facilities. Therefore, it is essential for environmental professionals to incorporate professional judgment in the evaluation of each site.)

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facilities
Source: Department of Health
Telephone: 202-442-5888

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GSA BUILDING
49 L STREET, SE
WASHINGTON, DC 20003

TARGET PROPERTY COORDINATES

Latitude (North):	38.877499 - 38˚ 52' 39.0"
Longitude (West):	77.007401 - 77˚ 0' 26.6"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	325864.3
UTM Y (Meters):	4304890.0
Elevation:	23 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

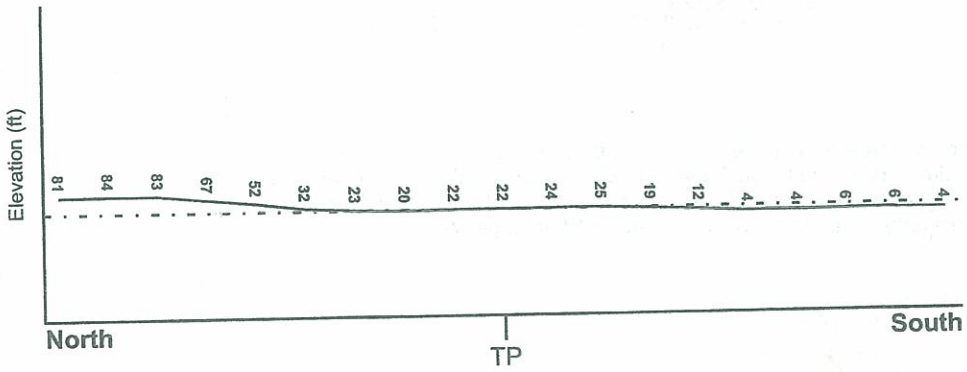
TOPOGRAPHIC INFORMATION

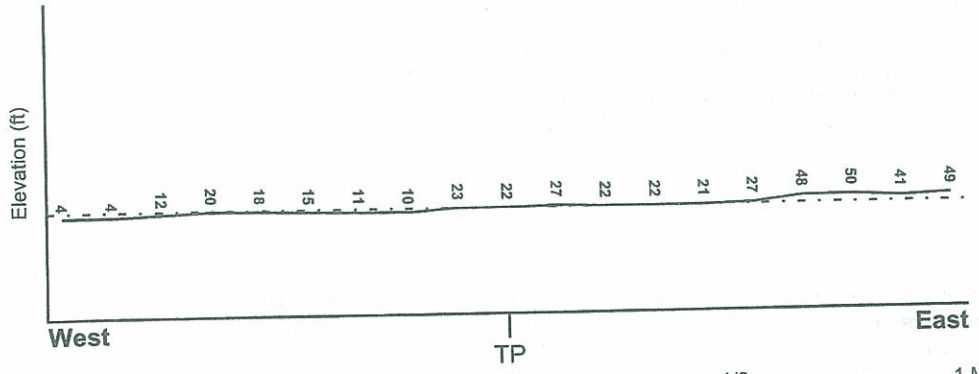
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	2438077-H1 WASHINGTON WEST, DC MD VA
General Topographic Gradient:	General WNW
Source:	USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 22 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
WASHINGTON, DC	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	1100010030B
Additional Panels in search area:	1100010020B 1100010015B 1100010025B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
WASHINGTON WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile SW
Site Name:	Usa Ft Mcnair
Site EPA ID Number:	DC8210021004
Groundwater Flow Direction:	NOT AVAILABLE.
Inferred Depth to Water:	1.5 meters to 3 meters.
Hydraulic Connection:	Information is not available about the hydraulic connection between aquifers underlying the site.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Cretaceous
Series:	Lower Cretaceous
Code:	IK *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

No soil data reported.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

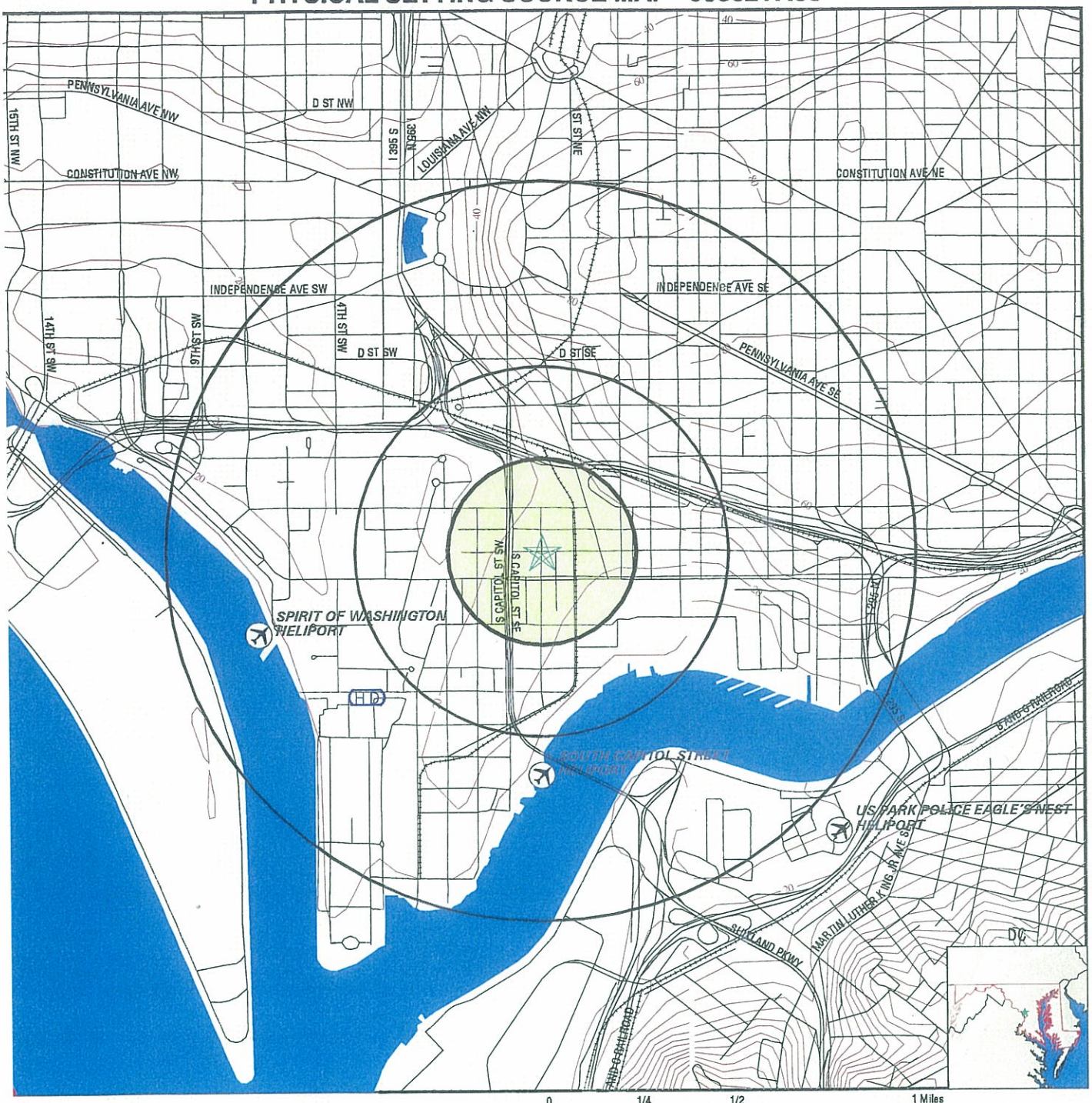
EPA Region 3 Statistical Summary Readings for Zip Code: 20003

Number of sites tested: 325.

Maximum Radon Level: 34.8 pCi/L.
Minimum Radon Level: 0.5 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
295 (90.77%)	23 (7.08%)	3 (0.92%)	4 (1.23%)	0 (0.00%)	0 (0.00%)

PHYSICAL SETTING SOURCE MAP - 0986217.3s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- (GI) Indeterminate Groundwater Flow at Location
- (GV) Groundwater Flow Varies at Location
- (HD) Closest Hydrogeological Data

TARGET PROPERTY:	GSA Building	CUSTOMER:	Greenhorne & O`Mara
ADDRESS:	49 L Street, SE	CONTACT:	Irene Mendoza
CITY/STATE/ZIP:	Washington DC 20003	INQUIRY #:	0986217.3s
LAT/LONG:	38.8775 / 77.0074	DATE:	May 30, 2003 1:00 pm

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PHYSICAL SETTING SOURCE RECORDS SEARCHED

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

EPA Region 3 Statistical Summary Readings
Source: Region 3 EPA
Telephone: 215-814-2082
Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Attachment B

Historical Aerial Photographs

PRELIMINARY GEOTECHNICAL REPORT

PRE-DEVELOPMENT PLANNING STUDY
UNITED STATES COURT OF APPEALS FOR VETERANS CLAIMS (USCAVC)
49 L STREET SE, WASHINGTON, DC

Schnabel Reference # 10212006
May 18, 2010

Schnabel
ENGINEERING

May 18, 2010

Ms. Amy Stein, AIA, LEED AP
MGA PARTNERS Architects
234 Market Street
Philadelphia, Pennsylvania 19106

Subject: **Project 10212006, Preliminary Geotechnical Engineering Report, Pre-Development Planning Study, United States Court of Appeals for Veterans Claims (USCAVC), 49 L Street SE, Washington, DC**

Dear Ms. Stein:

SCHNABEL ENGINEERING, LLC (Schnabel) is pleased to submit our preliminary geotechnical engineering report for this project. This report includes attached figures and appendices with relevant data collected for this study. This study was performed in accordance with our proposal dated December 10, 2009, as authorized by you on February 25, 2010.

SCOPE OF SERVICES

Our scope of services includes the following:

1. Description of terrain.
2. Brief geological history.
3. Brief seismic history
4. Comments on groundwater conditions and associated design and construction problems, including groundwater levels as encountered in the borings and general subdrainage requirements.
6. Description of exploration and sampling methods and outline of testing methods.
7. Narrative of soil identification and visual classification, by stratum.
8. Narrative of difficulties and/or obstructions encountered during the subsurface investigation.
9. Description of soil test borings and results from laboratory testing on selected soil samples.
10. Plot plan, drawn to scale, showing locations of the test borings.
11. Perform radon tests at two locations, at existing grade level.
12. Soils resistivity testing (to include pH of soils, resistivity testing, sulfates and reduction-oxidation potential) on two selected samples to aid in identifying resistivity of soil for corrosion protection of underground metals and electrical grounding design.
13. Boring logs, which identify sample number and sampling method, as well as other pertinent data deemed necessary by the Geotechnical Engineer.

14. Comments on foundation conditions for support of the proposed structure.
15. Comments regarding lateral earth pressure for use in design of building walls below-grade.
16. Comments concerning groundwater conditions at the site and the need for special subdrainage.
17. Comments concerning earthwork issues that could impact the development.
18. Comments concerning other geotechnical issues that could affect the pricing or development of the property.

Services not described in our proposal/agreement are not included in this study. We would be happy to provide additional geotechnical-related support services to the design team as the project demands, including final foundation recommendations, construction dewatering, removal, treatment and disposal of contaminated soil or groundwater, design of excavation sheeting and shoring, design of temporary slopes, design of flexible and rigid pavement sections, review of geotechnical aspects of the project plans and specifications; construction phase observation and testing services and environmental services, etc.

SITE DESCRIPTION AND PROPOSED CONSTRUCTION

We understand that a feasibility study is proposed to evaluate the property at 49 L Street in southeast Washington, DC for future housing of the United States Court of Appeals for Veterans Claims (USCAVC). Based on conversations with your office, we understand that the proposed structure is preliminarily estimated to be between five- and seven-stories above grade with one- to two-levels of below-grade parking.

Based on our site visits and topographic plans provided by your office, the majority of the site is currently occupied by a two- to three-story red brick building with a basement level below the eastern portion of the building. The site is bounded by L Street to the north, Cushing Place to the east, a privately owned parking lot (Parking Lot J for Nationals Stadium) to the south and Half Street to the west. The site is generally level with existing grades varying between about El 28 and El 27 from north to south. The building is bordered by grass along the west side and asphalt and concrete driveways along the north. There appears to be about 10 ft between the building and the public sidewalks on the west and north sides of the building. The south side of the building abuts the privately owned parking lot and the east side of the building extends up to about 2 ft to 3 ft off Cushing Place. The metro runs along M Street, parallel to the south side of the site. Based upon the Washington Metropolitan Area Transit Authority (WMATA) boring data available to us, we believe that the top the metro rail is at about El -43.

We obtained the site information through our site visits and information provide by your office. A Site Vicinity Map is included as Figure 1.

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SUBSURFACE CONDITIONS

Data Collection Techniques

Our firm drilled three soil test borings inside the existing building at the site. The soil test boring logs and groundwater observation data are included in Appendix A. For our analysis, we have considered one nearby WMATA boring included in Appendix D. The soil boring locations are included on Figure 2.

Our geotechnical laboratory conducted tests on selected samples obtained during our investigation. This testing aided in the classification of the soils encountered in the subsurface exploration. Soil laboratory test results are included in Appendix B. The logs in Appendix A show the natural moisture content values, sieves and Atterberg limits results of selected soil samples. We will retain soil samples for up to 45 days beyond the issuance of this report, unless you request other disposition.

Generalized Subsurface Stratigraphy

The subsurface data indicated the following generalized soil strata underlie the site to the depth investigated at the recent soil boring locations. The strata designations do not imply continuity of materials described, but reflect the general description and characteristics of the subsurface materials at the site:

Ground Cover (Concrete):

Between 6 inches and 8 inches of concrete was encountered at the soil test boring locations.

Stratum A: Fill

Existing fill generally consisting of sandy lean clay and sandy fat clay, containing mica, brick fragments, gravel and slag was encountered below the ground surface to a depth of between about 3.5 ft and 8.5 ft. Based on the Standard Penetration Test (SPT) results, this stratum is variable in consistency (SPT values varied from 6 blows per ft to 18 blows per ft).

Stratum B1: Pleistocene Terrace (Cohesive)

Below the fill soils of Stratum A and interbedded with Stratum B2, the boring encountered a terrace deposit generally consisting of various shades of brown and gray sandy FAT CLAY (CH), sandy LEAN CLAY (CL), LEAN CLAY with sand (CL), LEAN CLAY (CL) and sandy ELASTIC SILT (MH), containing trace amounts of mica, organics, gravel, sand seams and shell fragments to a depth of about 58.5 ft. One sample of the lean clay material was tested in our soil laboratory. The results indicated a liquid limit of 38, a plasticity index of 23 and a natural moisture content of 22.3 percent. About 96 percent of the material tested passed the No. 200 sieve. Based on the SPT results, this stratum is generally soft to very stiff (SPT values varied from 4 blows per ft to 20 blows per ft).

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Stratum B2: Pleistocene Terrace (Granular)

Interbedded with Stratum B1, the boring encountered a terrace deposit generally consisting of various shades of brown, gray and white clayey SAND (SC), SILT (ML), silty SAND (SM), poorly-graded SAND (SP-SM) with silt and well-graded GRAVEL (GW-GM) with silt, with various amounts of gravel and sand and trace amounts of mica, organics, clay pockets and wood to a depth of between about 48.5 ft and 53.5 ft. One sample of the silt material was tested in our soil laboratory. The results indicated a liquid limit of 46, a plasticity index of 13 and a natural moisture content of 30.5 percent. About 86 percent of the material tested passed the No. 200 sieve. Based on the SPT results, this stratum is generally loose to very dense (SPT values varied from 8 blows per ft to 58 blows per ft).

Stratum C: Cretaceous

Below Strata B1 and B2, the borings encountered granular Cretaceous age soils consisting of dark gray, gray and brown silty SAND (SM), with various amounts of gravel and trace amounts of mica, lignite and clay pockets to a depth of about 70.0 ft. Based on the SPT results, this stratum is generally loose to very dense (SPT values varied from 6 blows per ft to 132 blows per ft).

The above stratification is shown in detail on the boring logs in Appendix A. The sampling procedures used to determine SPT values are also presented in Appendix A.

The soil group symbols indicated on the boring logs and in the generalized subsoil stratum descriptions above represent the Unified Soil Classification System (USCS) group symbols and are based on visual identification of soil specimens recovered, per ASTM D-2488. The criteria for visual identification of soil specimens are presented in Appendix A. It should be noted that there may be a differences between visual classifications and laboratory classifications based on ASTM D-2487.

Geology

The upper soils at the site consist of existing fill that is believed to be associated with construction of the existing building and previous grading at the site. The fill soils are underlain by Pleistocene Age upland terrace deposits that overlie Cretaceous age sediments that belong to the Potomac Group. Potomac Group soils are the oldest sedimentary deposits in the Washington, DC area.

Groundwater

Long-term groundwater level measurements were taken in the borings up to about 24 hours after completion of drilling. Long-term readings indicated groundwater at a depth of about 38 ft below the ground surface (El -11). Boring sidewalls caved to depths of between 37 ft and 40 ft below the ground surface (or between El -10 and El -13). Groundwater in the nearby WMATA boring was at about El -5. The final design should anticipate fluctuations in the groundwater level depending upon variations in precipitation, surface runoff, pumping, adjacent metro tunnel, nearby buildings, leaking utilities, time of year and other similar factors.

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Radon Testing

A total of four radon canisters (Model AT-200), two at each test location, were buried below existing (exterior) grades around the existing building. The radon testing locations are included on Figure 2. The canisters were buried at these locations on March 31, 2010 at a depth of about 1 ft below existing grades. The canisters were recovered on April 7, 2010, after remaining in the ground for about 7 days, and were submitted to a radon-testing laboratory for analysis.

The radon tests indicated radon gas concentrations of 63.0 pCi/L to 109.0 pCi/L. A summary of the recent test results is included in the table below. The laboratory radon test results are included in Appendix C.

Location	Installed		Removed		Radon Level (pCi/L)
	Date	Time	Date	Time	
R-1 (West)	3/31/2010	10:10 AM	4/7/2010	7:10 AM	63.0
R-1 (West)	3/31/2010	10:10 AM	4/7/2010	7:10 AM	80.0
R-2 (East)	3/31/2010	10:25 AM	4/7/2010	7:20 AM	109.0
R-2 (East)	3/31/2010	10:25 AM	4/7/2010	7:20 AM	90.0

The Environmental Protection Agency (EPA) suggests that remedial actions be considered if the average radon level in the work areas of an office or plant is above 4 pCi/L. The results of the radon gas testing indicate that current radon levels in the soil exceed the recommended level. We recommend that additional radon testing be performed once lowest levels have been established to determine if a radon mitigation system is necessary.

Corrosion Potential

Two samples of the Stratum B1 material recovered from boring B-2 at depths of 8.5 ft and 18.5 ft below the existing ground surface were submitted for corrosion potential testing consisting of resistivity, redox potential, sulfides, and pH. The test results indicated a resistivity of between 2,900 ohm-cm and 3,800 ohm-cm, a redox potential of between 223 mV and 258 mV, and a pH of between 5.9 and 6.3. No sulfides were detected in the samples. The corrosion potential test results are included in Appendix B on the *Summary of Laboratory Tests*.

PRELIMINARY GEOTECHNICAL RECOMMENDATIONS

This preliminary geotechnical engineering evaluation is based on the data obtained from the soil test borings and preliminary information provided to us. Based on the preliminary information provided to us, we have considered a maximum column load of about 1,000 kips. Details of our preliminary recommendations are provided herein.

Foundations

We considered spread footings for support of the proposed building; however, considering a maximum column load of about 1,000 kips with one- to two-levels of below-grade parking (or about 10 ft or 20 ft below existing grade) and an allowable soil bearing pressure of between 2,000 psf and 3,000 psf, spread

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footing foundations would be too large to be considered feasible. A mat foundation founded on the stiff natural soils of Stratum B1 may be considered suitable for support of the building. We anticipate that a mat foundation will likely be feasible if the two-story below-grade option is chosen; however, a mat may also be feasible considering one-story below-grade. This will depend on the actual column loads, column spacing and final lowest level. A mat foundation is expected to have the fewest problems during construction, but may be more expensive than the other systems particularly if wide column spacing is used. The mat foundation may be designed using a preliminary average subgrade reaction of about 100 kcf to 150 kcf with an average bearing pressure of about 2,000 psf to 3,000 psf. We recommend that consolidation testing be performed during the final study to determine specific consolidation characteristics of the clay layers, along with additional soil borings and soil laboratory testing.

We have also considered augercast piles for support of the proposed building. Augercast piles, 16 inches in diameter, may be considered for an allowable capacity of about 80 to 100 tons when extending into the very dense sand of Stratum C. Augercast piles will generally need to extend to depths of between about 50 ft and 60 ft below the lowest level considering a building with one-story below-grade and about 40 ft to 50 ft below the lowest level considering a building with two-stories below grade. Some obstructions may be encountered in the soils of Strata B1 and B2, due to the presence of gravel layers. We also considered other deep foundation systems such as driven piles; however, we expect them to be less economical then the other systems discussed and they may not be feasible due to vibrations concerns affecting the adjacent metro tunnels. Alternatively, spread footings founded on Geopiers® designed for about 4,000 psf to 6,000 psf are expected to be feasible for support of the proposed building, considering both options.

Floor Slabs

Earth supported floor slabs are considered feasible. The lowest level floor slabs-on-grade may be supported on the firm natural soils of Stratum B1. Undercutting and replacement with compacted soil may be required where soft or unsuitable material is encountered. A 4-inch washed gravel or crushed stone base layer should be placed below floor slabs as a moisture barrier. The crushed stone or washed gravel should meet requirements for the AASHTO No. 57 coarse aggregate. An appropriate vapor barrier, meeting ASTM E-1745-97 standards, should be installed over the crushed stone. This vapor barrier would also prevent concrete intrusion into the stone.

Lateral Earth Pressures on Below-Grade Walls

We understand that the building will have up to two below-grade levels; therefore, the basement walls should be designed to withstand lateral earth pressures from surrounding backfill soils and any surcharge loads. The basement walls should be designed to withstand an equivalent fluid pressure of about 50H. Final lateral earth pressures will be provided in the final investigation. Drainage behind basement walls is recommended.

Subdrainage

Long-term groundwater readings indicated groundwater at about 38 ft below existing surface grades; however, some perched water may be encountered at higher elevations. Based on the preliminary pattern of borings, we do not anticipate special underfloor subdrainage; however, one or two interior

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subdrainage lines may be considered. Drainage behind the exterior walls below-grade will however, be required to release any hydrostatic pressure that may develop due to heavy rains. Perimeter drains should be installed and will likely consist of 4 inch slotted PVC pipe surrounded by crushed stone and geotextile filter fabric. Collected water will require pumped discharge into the storm sewer system from sump pits installed in the lowest levels.

Earthwork

The excavated soils of Strata A and B1 are generally not considered suitable for re-use as compacted fill. Stratum B2 soils, if available, are considered suitable for re-use. Laboratory tests should be performed to better classify subsoil conditions. In addition, some of the natural soil may be wet and may require drying prior to reuse.

Corrosion Considerations

The results of the corrosion series testing were used to evaluate the corrosion potential per American Water Works Association (AWWA) Specification C105. AWWA Specification C105 includes a procedure for ranking soils on a 10-point scale to evaluate whether the soils are potentially corrosive to cast iron and recommends that cast iron pipes installed within soils with a ranking of 10 or greater have corrosion protection. Ferrous materials (i.e. cast iron and steel) behave similarly when exposed to corrosive environments. The AWWA ranking system is widely used to evaluate corrosion potential in ferrous metals.

The results of the corrosion series testing were used to rank the corrosion potential of the fine grained soils of Stratum B1 at the site. A soil ranking of between 2 and 3 was obtained for the Stratum B1 samples. Based on our evaluation of the corrosion series testing and the AWWA ranking system, the soils tested were found to be non-corrosive.

Seismic Site Classification

The site lies within the relatively stable mid-eastern region. Based on the recent subsurface investigation, we anticipate that a Site Class D may be used for preliminary seismic design on this project. This Site Class was evaluated based on Standard Penetration Test N-values and will need to be re-evaluated during the final phase of this project once proposed lowest-levels have been established. Seismic CPT and/or Shear Wave Velocity methods may be used to more accurately determine the seismic site class.

RECOMMENDATIONS FOR ADDITIONAL STUDIES

Once design drawings and structural loadings are set, a final geotechnical engineering analysis for the proposed building is recommended. Additional borings are considered necessary to further evaluate subsurface soil and groundwater conditions at the site. Additionally, we recommend obtaining relatively undisturbed Shelby tube samples from the clay layers to aid in the final analysis. The final geotechnical engineering analysis should include evaluating foundation requirements for the building and floor slab support, lateral earth pressures, subdrainage, earthwork and compacted fill requirements.

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LIMITATIONS

We have endeavored to prepare this report for the use of your office and the design professionals for preliminary planning purposes in accordance with generally accepted geotechnical engineering practices. No warranties, either expressed or implied, are made as to the professional services included in this report.

We appreciate the opportunity to be of service for this project. Please call us if you have any questions regarding this report.

Sincerely,

SCHNABEL ENGINEERING, LLC

(b) (6) [redacted]

Matthew D. Grzelak, EIT
Senior Staff Engineer

(b) (6) [redacted]

Bill Khouri, PE
Principal

MG:JB:BK:nv
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Figures
Figure 1: Site Vicinity Map
Figure 2: Approximate Test Boring and Radon Testing Location Plan

Appendices
Appendix A: Subsurface Exploration Data
Appendix B: Soil Laboratory Test Data
Appendix C: Radon Testing Data
Appendix D: WMATA Subsurface Exploration Data

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FIGURES

Site Vicinity Map, Figure 1
Approximate Test Boring and Radon Testing Location Plan, Figure 2

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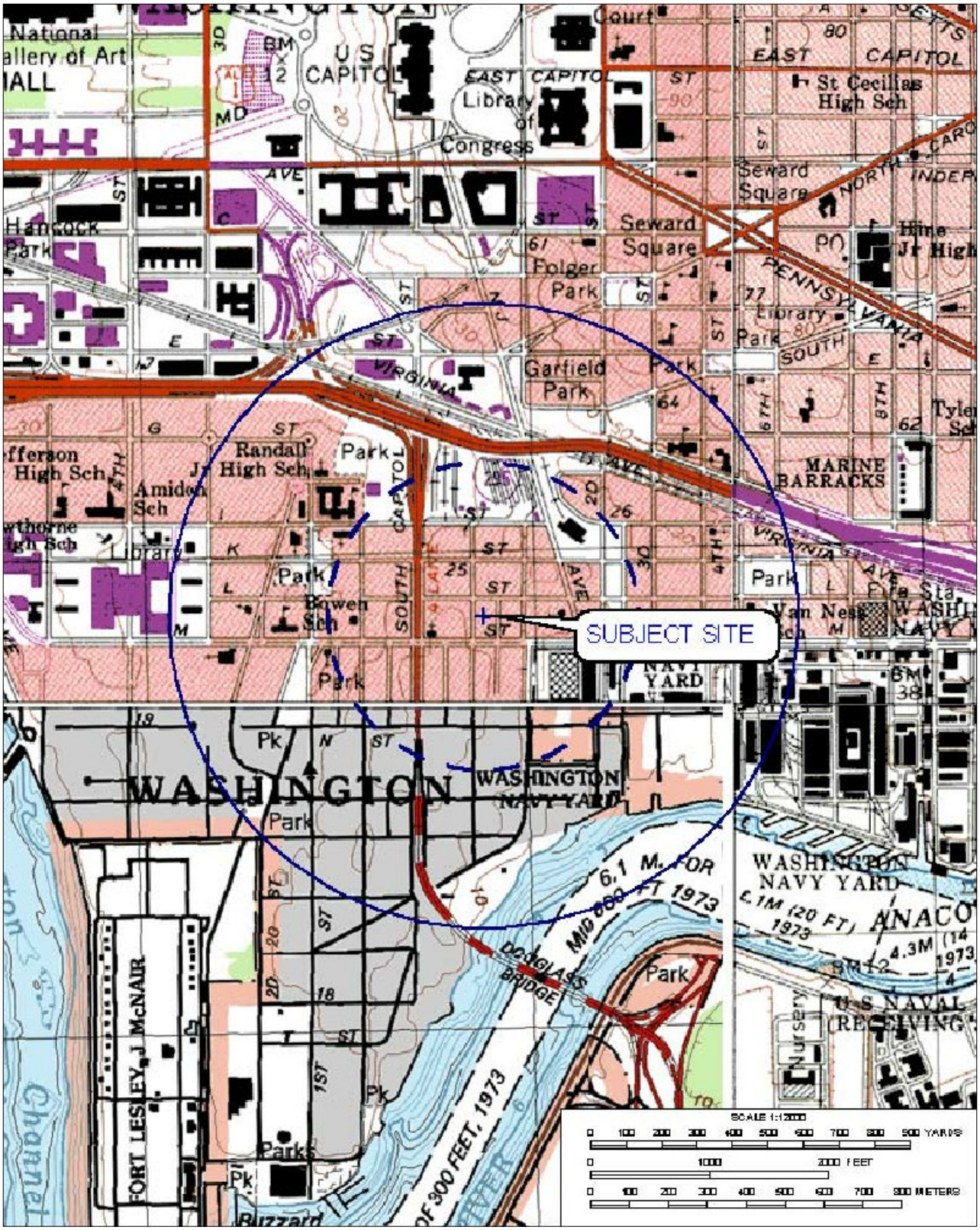

LEGEND

1 MILE RADIUS

½ MILE RADIUS

REFERENCE: 7.5-Minute Series Topographic Map 1985 Washington West Quadrangle

Schnabel ENGINEERING	PRE-DEVELOPMENT PLANNING STUDY - USCAVC 49 L STREET SE WASHINGTON, DC	SITE VICINITY MAP PROJECT NO.: 10212006 MARCH 2010 | FIGURE NO.: 1

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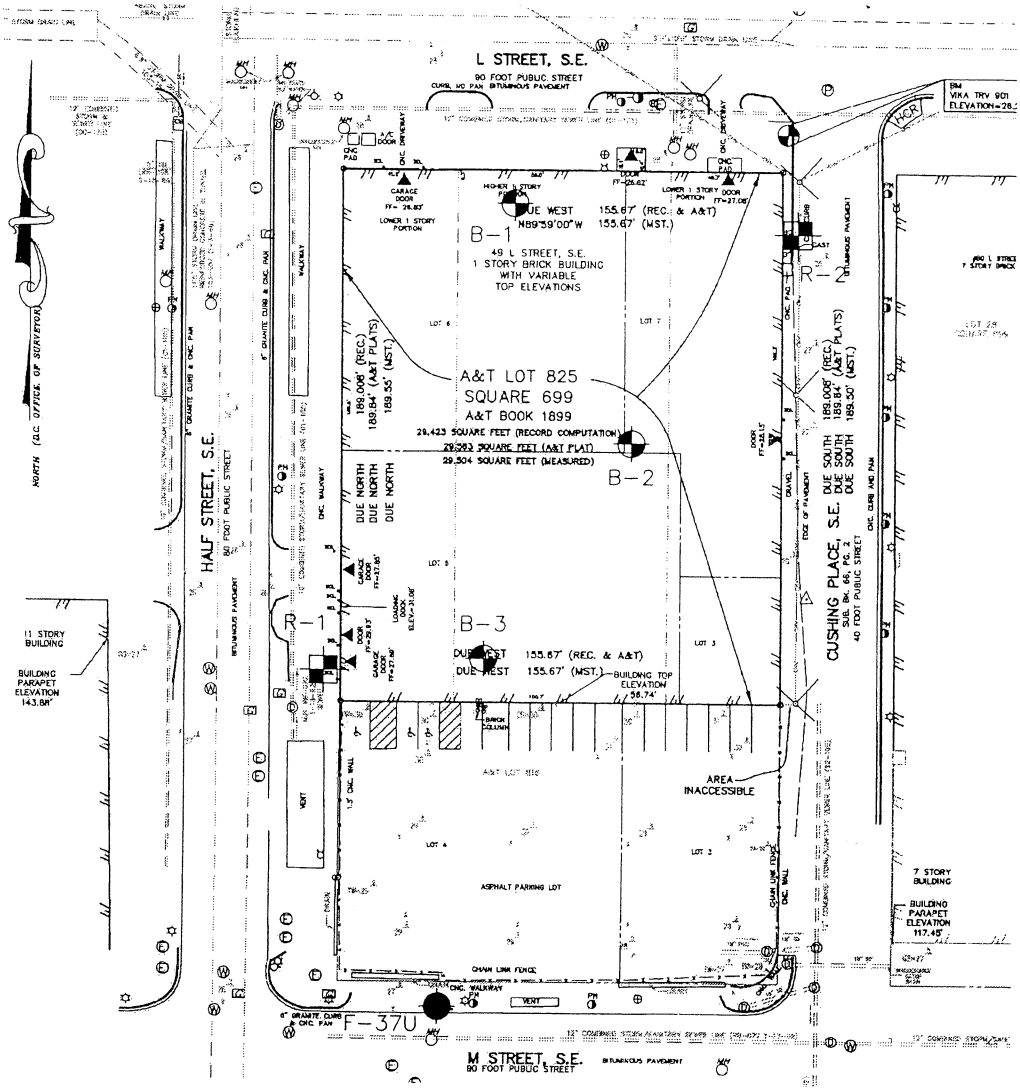

Base plan provided by VIKA.

GRAPHIC SCALE

LEGEND

B-1 APPROXIMATE TEST BORING LOCATION

F-37U APPROXIMATE WMATA TEST BORING LOCATION PERFORMED BY OTHERS

R-1 APPROXIMATE RADON TESTING LOCATION

APPROXIMATE SCALE: AS SHOWN	DATE: MARCH 2010
DRAWN BY: M. GRZELAK	REVIEWED BY: B. KHOURI

APPROXIMATE TEST BORING AND RADON TESTING LOCATION PLAN

PROJECT NO. 10212006
FIGURE 2

PRE-DEVELOPMENT PLANNING STUDY - USCAVC
49 L STREET SE
WASHINGTON, DC

Schnabel ENGINEERING

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APPENDIX A

SUBSURFACE EXPLORATION DATA

Subsurface Exploration Procedures (1 sheet)
General Notes for Test Boring Logs (1 sheet)
Identification of Soil (1 sheet)
Boring Logs, B-1 through B-3 (6 sheets)

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SUBSURFACE INVESTIGATION PROCEDURES

1. Test Borings - Hollow Stem Augers

The borings are advanced by turning an auger with a center opening of 2 ¼ or 3 ¼ inches. A plug device blocks off the center opening while augers are advanced. Cuttings are brought to the surface by the auger flights. Sampling is performed through the center opening in the hollow stem auger, by standard methods, after removal of the plug. Usually, no water is introduced into the boring using this procedure.

2. Standard Penetration Tests

Numbers after description of the soil strata indicate the minimum and maximum penetration resistance, or N value, recorded in each stratum. The N values indicate the penetration resistance in blows per foot of a standard 2 inch O.D., 1-⅜ inch I.D. sampling spoon driven with a 140-pound hammer falling 30 inches per ASTM D-1586. After an initial set of 6 inches to assure the sampling spoon is in undisturbed material, the number of blows required to drive the sample an additional 12 inches is generally taken as the N value. In the event that 30 or more blows are required on the initial 6-inch interval, the sampling spoon is driven to a total penetration resistance of 100 blows or 18 inches, whichever occurs first.

3. Boring Locations and Grades

The geotechnical soil test borings were located in the field by our office at the approximate locations indicated on Figure 2. The ground surface elevations included on the boring logs were estimated from topographic plans provided by your office.

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TEST BORING LOG GENERAL NOTES

1. Numbers in the sampling data column indicate the number of blows required to drive a 2-inch O.D., 1-3/8 inch I.D. split spoon sampler through three 6-inch intervals, or as indicated, using a 140-pound hammer falling 30 inches, according to ASTM D-1586. The sum of the second and third 6-inch blow count intervals is the N value of the Standard Penetration Test (SPT).

2. Strata descriptions are based on visual inspection and are in accordance with the Unified Soil Classification System, ASTM D-2488.

3. Refusal at the surface of rock, boulder, or obstruction is defined as a penetration resistance of 100 blows for 2 inches penetration or less.

4. Disintegrated rock is defined as residual earth material with a penetration resistance between 60 blows per foot and refusal.

5. Key to abbreviations and symbols:

w %	= Moisture Content	3T	= 3 inch Tube Sample
☒	= Area Sampled	24/20	= Tube Sample Pushed 24 inches, 20 inches Recovered
⧅	= Rock Coring	REC	= Rock Core Recovery
WOR	= Weight of Rod	RQD	= Rock Quality Designation
WOH	= Weight of Hammer	WOW	= Water Observation Well

6. The boring logs and related information depict subsurface conditions at the specific locations and at the particular time when drilled. Soil conditions at other locations may differ from conditions at the boring locations. Also, the passage of time may result in a change in the subsurface soil and groundwater conditions at the boring locations.

7. The stratification lines represent the approximate boundary between soils and/or rock types as estimated in the drilling and sampling operation. Some variation may be expected vertically between samples taken. The soil profile, water level observations, and penetration resistances presented on the boring logs have been made with reasonable care and accuracy, but must be considered only an approximate representation of subsurface conditions to be encountered at the particular location.

8. Estimated groundwater levels are indicated on the logs. These are only estimates from available data and may vary with variations in environmental conditions, precipitation, surface drainage, time of the year, evaporation, adjacent construction, porosity of the soil, site topography and other similar factors.

IDENTIFICATION OF SOIL

DEFINITION OF SOIL GROUP NAMES (ASTM D-2487)

			SYMBOL	GROUP NAME
Coarse-Grained Soils More than 50% retained on No. 200 sieve	Gravels – More than 50% of coarse fraction retained on No. 4 sieve Coarse, ¾" to 3" Fine, No. 4 to ¾"	Clean Gravels Less than 5% fines	GW	WELL GRADED GRAVEL
			GP	POORLY GRADED GRAVEL
		Gravels with fines More than 12% fines	GM	SILTY GRAVEL
			GC	CLAYEY GRAVEL
	Sands – 50% or more of coarse Fraction passes No. 4 sieve Coarse, No. 10 to No. 4 Medium, No. 40 to No. 10 Fine, No. 200 to No. 40	Clean Sands Less than 5% fines	SW	WELL GRADED SAND
			SP	POORLY GRADED SAND
		Sands with fines More than 12% fines	SM	SILTY SAND
			SC	CLAYEY SAND
Fine-Grained Soils 50% or more passes the No. 200 sieve	Silts and Clays – Liquid Limit less than 50 Low to medium plasticity	Inorganic	CL	LEAN CLAY
			ML	SILT
		Organic	OL	ORGANIC CLAY
				ORGANIC SILT
	Silts and Clays – Liquid Limit 50 or more Medium to high plasticity	Inorganic	CH	FAT CLAY
			MH	ELASTIC SILT
		Organic	OH	ORGANIC CLAY
				ORGANIC SILT
Highly Organic Soils	Primarily organic matter, dark in color and organic odor		PT	PEAT

DEFINITION OF SOIL COMPONENT PROPORTIONS (ASTM D-2487)

			Examples
Adjective Form	GRAVELLY SANDY	>30% to <50% coarse grained component in a fine-grained soil	GRAVELLY LEAN CLAY
	CLAYEY SILTY	>12% to <50% fine grained component in a coarse-grained soil	SILTY SAND
"With"	WITH GRAVEL WITH SAND	>15% to <30% coarse grained component in a fine-grained soil	FAT CLAY WITH GRAVEL
	WITH GRAVEL WITH SAND	>15% to <50% coarse grained component in a coarse-grained soil	POORLY GRADED GRAVEL WITH SAND
	WITH SILT WITH CLAY	>5% to <12% fine grained component in a coarse-grained soil	POORLY GRADED SAND WITH SILT

GLOSSARY OF MISCELLANEOUS TERMS

SYMBOLS ..... Unified Soil Classification Symbols are shown above as group symbols. A dual symbol "-" indicates the soil belongs to two groups. A borderline symbol "/" indicates the soil belongs to two possible groups.

FILL ..... Man-made deposit containing soil, rock and often foreign matter.

PROBABLE FILL ..... Soils which contain no visually detected foreign matter but which are suspect with regard to origin.

DISINTEGRATED ROCK (DR) ..... Residual materials with a standard penetration resistance (SPT) between 60 blows per foot and refusal. Refusal is defined as a SPT of 100 blows for 2" or less penetration.

PARTIALLY WEATHERED ROCK (PWR) ..... Residual materials with a standard penetration resistance (SPT) between 100 blows per foot and refusal. Refusal is defined as a SPT of 100 blows for 2" or less penetration.

BOULDERS & COBBLES ..... Boulders are considered rounded pieces of rock larger than 12 inches, while cobbles range from 3 to 12 inch size.

LENSES ..... 0 to ½ inch seam within a material in a test pit.

LAYERS ..... ½ to 12 inch seam within a material in a test pit.

POCKET ..... Discontinuous body within a material in a test pit.

MOISTURE CONDITIONS ..... Wet, moist or dry to indicate visual appearance of specimen.

COLOR ..... Overall color, with modifiers such as light to dark or variation in coloration.

Schnabel ENGINEERING TEST BORING LOG	Project: Pre-Development Planning Study - USCAVC 49 L Street SE Washington, D.C.	Boring Number: **B-1** Contract Number: 10212006 Sheet: 1 of 2

Contractor: Recon Drilling

Contractor Foreman: W. Rodas

Schnabel Representative: M. Grzelak

Equipment: Diedrich D-50 (ATV)

Method: 2-1/4" I.D. Hollow Stem Auger

Hammer Type: Auto Hammer (140 lb)

Dates Started: 3/2/10 **Finished:** 3/2/10

Location: See Location Plan

Ground Surface Elevation: 27± (ft) **Total Depth:** 70.0 ft

Groundwater Observations

	Date	Time	Depth	Casing	Caved
Encountered	3/2	---	42.0'	---	---
Completion	3/2	---	39.9'	---	---
Casing Pulled	3/2	---	38.6'	---	39.5'
After Drilling	3/3	---	38.2'	---	36.9'

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.5	Concrete		26.5					
	FILL, sampled as sandy lean clay; moist, brown and dark purplish gray, contains mica, trace orangish brown	FILL		A		SS 2+4+8 REC=18", 100%		
3.5	SANDY LEAN CLAY; moist, brown and dark purplish gray, estimated <5% mica, trace orangish brown	CL	23.5	B1	5	SS 2+3+6 REC=18", 100%	MC = 22.6% PP = 1.75 tsf	
	Change: light brownish gray, trace orangish brown					SS 2+3+5 REC=18", 100%	PP = 1.00 tsf	
8.5	SANDY FAT CLAY; moist, gray and orangish brown, estimated <5% mica	CH	18.5		10	SS 4+4+6 REC=18", 100%	MC = 23.2% PP = 1.75 tsf	
13.5	CLAYEY SAND; moist, orangish brown to yellowish brown, estimated <5% mica	SC	13.5	B2	15	SS 4+5+5 REC=18", 100%	PP = 2.00 tsf	
18.5	LEAN CLAY WITH SAND; moist, light grayish brown, estimated <5% mica	CL	8.5	B1	20	SS 4+2+3 REC=18", 100%	PP < 0.25 tsf	Odor
23.5	SILT; moist, dark gray, estimated <5% mica, estimated <5% organics, estimated 5 - 10% sand	ML	3.5	B2	25	SS 2+3+5 REC=18", 100%	LL = 46 PL = 33 MC = 30.5% % Passing #200 = 86.1	Odor
28.5	SANDY LEAN CLAY; moist, gray, estimated <5% gravel	CL	-1.5	B1	30	SS 5+4+5 REC=18", 100%	PP = 0.75 tsf	
33.5	SILTY SAND; moist, dark gray, estimated <5% clay pockets, estimated <5% wood, estimated <5% mica	SM	-6.5	B2	35	SS 5+11+11 REC=18", 100%		

(continued)

TEST BORING LOG L STREET 10212006.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 5/17/10

Schnabel ENGINEERING TEST BORING LOG	Project: Pre-Development Planning Study - USCAVC 49 L Street SE Washington, D.C.	Boring Number: **B-1** Contract Number: 10212006 Sheet: 2 of 2

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
38.5	POORLY GRADED SAND WITH SILT AND GRAVEL; wet, gray, white and brown	SP-SM	-11.5	B2	40	SS 13+19+21 REC=18", 100%		
	Change: gray				45	SS 7+7+10 REC=18", 100%		
48.5	LEAN CLAY WITH SAND; moist, gray and greenish brown, estimated <5% mica	CL	-21.5	B1	50	SS 1+1+3 REC=18", 100%	PP = NA tsf	
	Change: dark gray, estimated 5 - 10% sand seams, estimated <5% organics, estimated <5% shell fragments				55	SS 2+3+5 REC=18", 100%	PP = 0.75 tsf	
58.5	SILTY SAND; moist, dark gray, estimated <5% mica	SM	-31.5	C	60	SS 1+3+3 REC=18", 100%		
	Change: WITH GRAVEL				65	SS 18+44+70 REC=18", 100%		
	Change: estimated <5% lignite, estimated <5% clay pockets				70	SS 25+33+52 REC=18", 100%		
70.0			-43.0					

Bottom of Boring at 70.0 ft.
Concrete cored before drilling (8 inch diameter).
Boring backfilled with spoils upon completion and concrete patched.
Excess spoils removed from site.
Elevation estimated from publicly available topography maps.
PP = pocket penetrometer (unconfined compressive stength)
NA = reading could not be obtained

TEST BORING LOG L STREET 10212006.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 5/17/10

Schnabel ENGINEERING	TEST BORING LOG	Project: Pre-Development Planning Study - USCAVC 49 L Street SE Washington, D.C.	Boring Number: **B-2** Contract Number: 10212006 Sheet: 1 of 2

Contractor: Recon Drilling

Contractor Foreman: W. Rodas

Schnabel Representative: M. Grzelak

Equipment: Diedrich D-50 (ATV)

Method: 2-1/4" I.D. Hollow Stem Auger

Hammer Type: Auto Hammer (140 lb)

Dates Started: 3/1/10 **Finished:** 3/1/10

Location: See Location Plan

Ground Surface Elevation: 27± (ft) **Total Depth:** 70.0 ft

Groundwater Observations

	Date	Time	Depth	Casing	Caved
Encountered	3/1	---	39.5'	---	---
Completion	3/1	---	52.5'	---	---
Casing Pulled	3/1	---	Dry	---	40.6'
After Drilling	3/2	---	Dry	---	40.1'

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.7	Concrete		26.3					
	FILL, sampled as sandy fat clay; moist, brown and orangish brown, trace grayish brown, contains brick fragments, gravel and slag	FILL				SS 3+4+4 REC=18", 100%		
3.5			23.5	A				
	FILL, sampled as sandy lean clay; moist, light grayish brown, contains mica, trace orangish brown	FILL			5	SS 4+8+10 REC=18", 100%	MC = 21.7%	
6.0			21.0					
	FILL, sampled as sandy fat clay; moist, light grayish brown, contains brick fragments, trace orangish brown	FILL				SS 2+3+3 REC=18", 100%		
8.5			18.5					
	SANDY FAT CLAY; moist, orangish brown and gray, estimated <5% mica	CH			10	SS 3+6+8 REC=18", 100%	MC = 19.6% PP = 4.00 tsf	
					15	SS 6+8+9 REC=18", 100%	PP = 3.00 tsf	
18.5			8.5					
	SANDY LEAN CLAY; moist, light brownish gray, estimated <5% mica, trace orangish brown	CL		B1	20	SS 3+4+6 REC=18", 100%	MC = 27.0% PP = 0.50 tsf	
23.5			3.5					
	SANDY ELASTIC SILT; moist, dark gray, estimated <5% mica, estimated <5% organics	MH			25	SS 3+4+6 REC=18", 100%	PP = NA tsf	
28.5			-1.5					
	SANDY LEAN CLAY; moist, purplish gray, estimated <5% mica, estimated <5% shell fragments	CL			30	SS 2+3+6 REC=18", 100%	PP < 0.25 tsf	
33.5			-6.5					
	SILTY SAND; moist, gray, estimated <5% mica, estimated <5% clay pockets, trace black	SM		B2	35	SS 4+7+9 REC=18", 100%	MC = 16.4%	

(continued)

TEST BORING LOG L STREET 10212006.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 5/17/10

Schnabel ENGINEERING TEST BORING LOG	Project: Pre-Development Planning Study - USCAVC 49 L Street SE Washington, D.C.	Boring Number: **B-2** Contract Number: 10212006 Sheet: 2 of 2

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
38.5	POORLY GRADED SAND WITH SILT AND GRAVEL; wet, gray, off-white and brown	SP-SM	-11.5		40	SS 15+26+32 REC=18", 100%		
43.5	SILTY SAND WITH GRAVEL; wet, gray to brown, estimated <5% clay pockets	SM	-16.5	B2	45	SS 5+19+8 REC=18", 100%		Odor
48.5	WELL GRADED GRAVEL WITH SILT AND SAND; wet, gray and purplish brown	GW-GM	-21.5		50	SS 10+22+27 REC=14", 78%		Odor
53.5	SANDY LEAN CLAY; moist, dark gray, estimated <5% mica, estimated <5% shell fragments	CL	-26.5	B1	55	SS 3+4+6 REC=18", 100%	PP = 0.75 tsf	
58.5	SILTY SAND; moist, gray, estimated <5% mica	SM	-31.5	C	60	SS 5+11+6 REC=18", 100%		
	Change: estimated <5% clay pockets				65	SS 8+17+25 REC=18", 100%		
70.0	Change: WITH GRAVEL; estimated 15 - 25% clay pockets		-43.0		70	SS 18+54+78 REC=18", 100%		

Bottom of Boring at 70.0 ft.
Concrete cored before drilling (8 inch diameter).
Boring backfilled with spoils upon completion and concrete patched.
Excess spoils removed from site.
Elevation estimated from publicly available topography maps.
PP = pocket penetrometer (unconfined compressive stength)
NA = reading could not be obtained

Schnabel ENGINEERING — **TEST BORING LOG**

Project: Pre-Development Planning Study - USCAVC
49 L Street SE
Washington, D.C.

Boring Number: **B-3**
Contract Number: 10212006
Sheet: 1 of 2

Contractor: Recon Drilling
Contractor Foreman: W. Rodas
Schnabel Representative: M. Grzelak
Equipment: Diedrich D-50 (ATV)
Method: 2-1/4" I.D. Hollow Stem Auger
Hammer Type: Auto Hammer (140 lb)
Dates Started: 3/2/10 **Finished:** 3/3/10
Location: See Location Plan
Ground Surface Elevation: 27± (ft) **Total Depth:** 70.0 ft

Groundwater Observations

	Date	Time	Depth	Casing	Caved
Encountered	3/2	---	18.5'	---	---
Completion	3/3	---	24.3'	---	---
Casing Pulled	3/3	---	38.5'	---	50.6'

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.6	Concrete		26.4					
	FILL, sampled as sandy fat clay; moist, orangish brown and gray, contains mica and gravel	FILL		A		SS 3+3+7 REC=18", 100%		
3.5	FILL, sampled as sandy lean clay; very moist, gray and brown, contains gravel and mica	FILL	23.5		5	SS 3+4+6 REC=18", 100%		Odor
6.0	SANDY FAT CLAY; moist, orangish brown, estimated <5% mica, trace black and gray	CH	21.0			SS 4+6+9 REC=18", 100%	MC = 23.1% PP = 3.50 tsf	
8.5	LEAN CLAY; moist, light grayish brown and orangish brown, estimated <5% sand	CL	18.5		10	SS 4+5+8 REC=18", 100%	LL = 38 PL = 15 MC = 22.3% % Passing #200 = 96.2 PP = 2.50 tsf	
13.5	SANDY FAT CLAY; moist, light grayish brown and orangish brown, estimated <5% mica	CH	13.5		15	SS 5+7+13 REC=18", 100%	MC = 20.0% PP = 2.50 tsf	
18.5	SANDY LEAN CLAY; moist, light grayish brown, trace orangish brown	CL	8.5	B1	20	SS 4+6+8 REC=18", 100%	PP = 1.00 tsf	
	Change: dark gray, estimated <5% mica, estimated <5% organics, estimated <5% shell fragments				25	SS 2+2+4 REC=18", 100%	PP = 1.00 tsf	
	Change: light purplish gray				30	SS 7+4+5 REC=18", 100%	PP = 0.25 tsf	
	Change: gray, estimated <5% organics				35	SS 4+4+6 REC=18", 100%	PP = 0.25 tsf	

(continued)

TEST BORING LOG L STREET 10212006.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 5/17/10

Schnabel ENGINEERING TEST BORING LOG	Project: Pre-Development Planning Study - USCAVC 49 L Street SE Washington, D.C.	Boring Number: **B-3** Contract Number: 10212006 Sheet: 2 of 2

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
	Change: estimated <5% organics, estimated <5% shell fragments, trace light brown	CL		B1	40	SS 2+4+4 REC=18", 100%	PP = 0.25 tsf	
43.5	SILTY SAND WITH GRAVEL; moist, gray, off-white and brown	SM	-16.5	B2	45	SS 12+15+14 REC=18", 100%		
	Change: wet				50	SS 19+15+22 REC=18", 100%		Odor
53.5	SANDY LEAN CLAY; moist, dark gray, estimated <5% mica, estimated <5% organics, estimated <5% shell fragments, trace brown	CL	-26.5	B1	55	SS 2+3+4 REC=18", 100%	PP = 0.50 tsf	
58.5	SILTY SAND; moist, dark gray, estimated <5% mica	SM	-31.5	C	60	SS 6+18+20 REC=18", 100%		
	Change: WITH GRAVEL				65	SS 4+20+22 REC=18", 100%		
	Change: brown and gray				70	SS 22+31+27 REC=18", 100%		
70.0			-43.0					

Bottom of Boring at 70.0 ft.
Concrete cored before drilling (8 inch diameter).
Boring backfilled with spoils upon completion and concrete patched.
Excess spoils removed from site.
Elevation estimated from publicly available topography maps.
PP = pocket penetrometer (unconfined compressive stength)

TEST BORING LOG L STREET 10212006.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 5/17/10

APPENDIX B

SOIL LABORATORY TEST DATA

Summary of Soil Laboratory Tests (2 sheets)
Gradation Curves (2 sheets)

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Summary Of Laboratory Tests

Project Number: 10212006.00

Boring No.	Sample Depth ft / Elevation ft	Sample Type	Description of Soil Specimen	Natural Moisture (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Passing No. 200 Sieve	% Retained No. 4 Sieve	pH	Oxidation Reduction Potential (mV)	Resistivity (ohm-cm)	Sulfides
B-1	3.5 - 5.0	Jar		22.6	--	--	--	--	--	--	--	--	--
B-1	8.5 - 10.0	Jar		23.2	--	--	--	--	--	--	--	--	--
B-1	23.5 - 25.0	Jar	SILT (ML), contains sand, dark gray	30.5	46	33	13	86.1	0.0	--	--	--	--
B-2	3.5 - 5.0	Jar		21.7	--	--	--	--	--	--	--	--	--
B-2	8.5 - 15.0	Jar		19.6	--	--	--	--	--	5.9	258	3800	0
B-2	18.5 - 25.0	Jar		27.0	--	--	--	--	--	6.3	223	2900	0
B-2	33.5 - 35.0	Jar		16.4	--	--	--	--	--	--	--	--	--

Notes:
1. Soil tests in general accordance with ASTM standards.
2. Soil classifications are in general accordance with ASTM D2487(as applicable), based on testing indicated and visual classification.
3. Key to abbreviations: NP=Non-Plastic; -- indicates no test performed

Schnabel ENGINEERING

Project: Pre-Development Planning Study - USCAVC

DYNAMIC LAB SUMMARY LAB TEST RESULTS B-1-B-3.GPJ SCHNABEL DATA TEMPLATE 2008_04_22.GDT 4/22/10

Summary Of Laboratory Tests

Project Number: 10212006.00

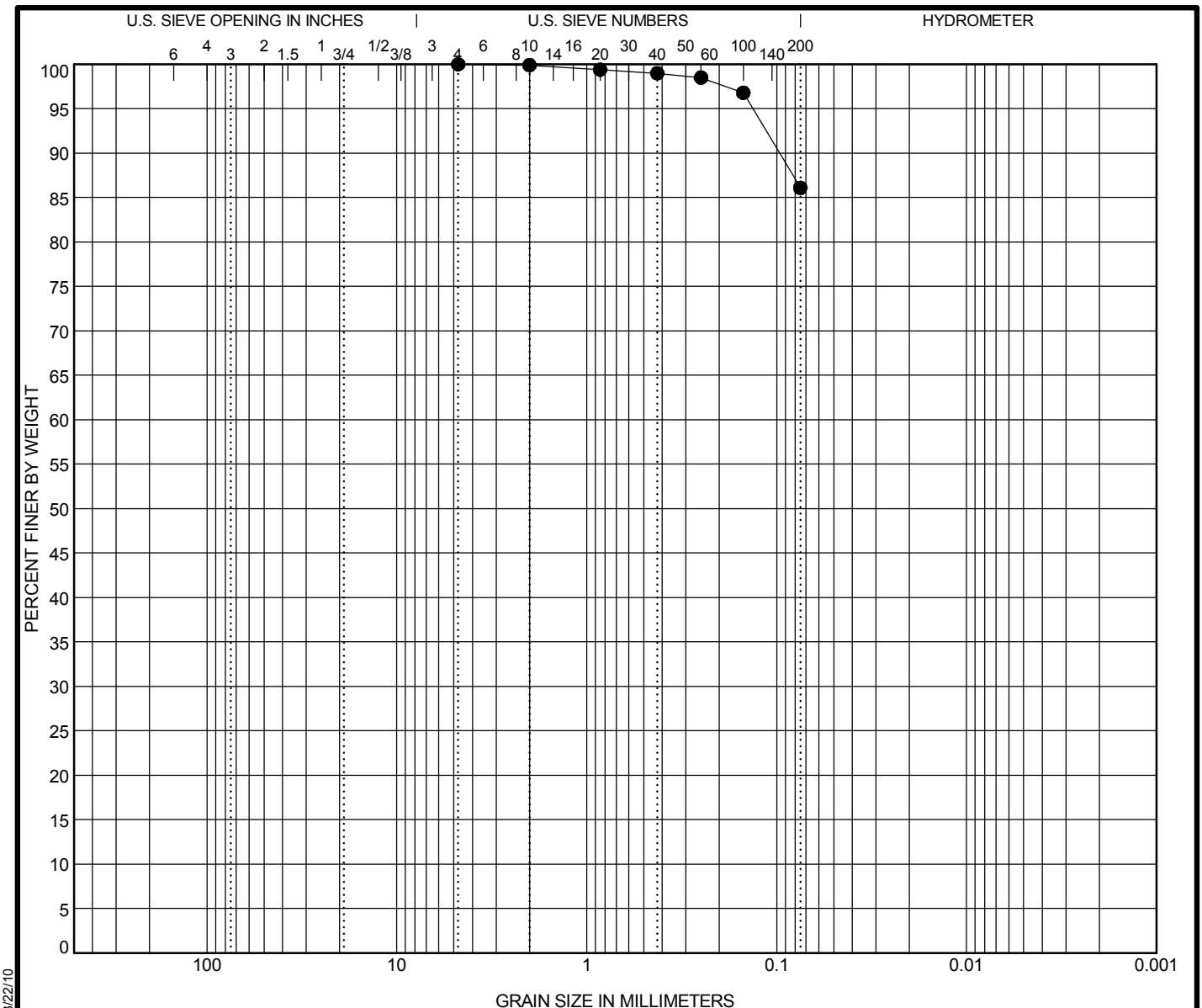
Boring No.	Sample Depth ft / Elevation ft	Sample Type	Description of Soil Specimen	Natural Moisture (%)	Liquid Limit	Plastic Limit	Plasticity Index	% Passing No. 200 Sieve	% Retained No. 4 Sieve	pH	Oxidation Reduction Potential (mV)	Resistivity (ohm-cm)	Sulfides
B-3	6.0 - 7.5	Jar		23.1	--	--	--	--	--	--	--	--	--
B-3	8.5 - 10.0	Jar	LEAN CLAY (CL), contains sand, brown	22.3	38	15	23	96.2	0.0	--	--	--	--
B-3	13.5 - 15.0	Jar		20.0	--	--	--	--	--	--	--	--	--

Notes:
1. Soil tests in general accordance with ASTM standards.
2. Soil classifications are in general accordance with ASTM D2487(as applicable), based on testing indicated and visual classification.
3. Key to abbreviations: NP=Non-Plastic; -- indicates no test performed

Schnabel ENGINEERING

Project: Pre-Development Planning Study - USCAVC

DYNAMIC LAB SUMMARY LAB TEST RESULTS B-1-B-3.GPJ SCHNABEL DATA TEMPLATE 2008_04_22.GDT 4/22/10



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen		Sample Description	LL	PL	PI		
● B-1	23.5 ft	**SILT (ML), contains sand, dark gray**	**46**	**33**	**13**		

Test Method	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
ASTM D6913	**4.75**				**0.0**	**13.9**	**86.1**	

Percent Finer

Sieve Size (mm)	0.075	0.15	0.25	0.425	0.85	2	4.75
% Finer	86.1	96.8	98.5	99.0	99.4	99.9	100.0

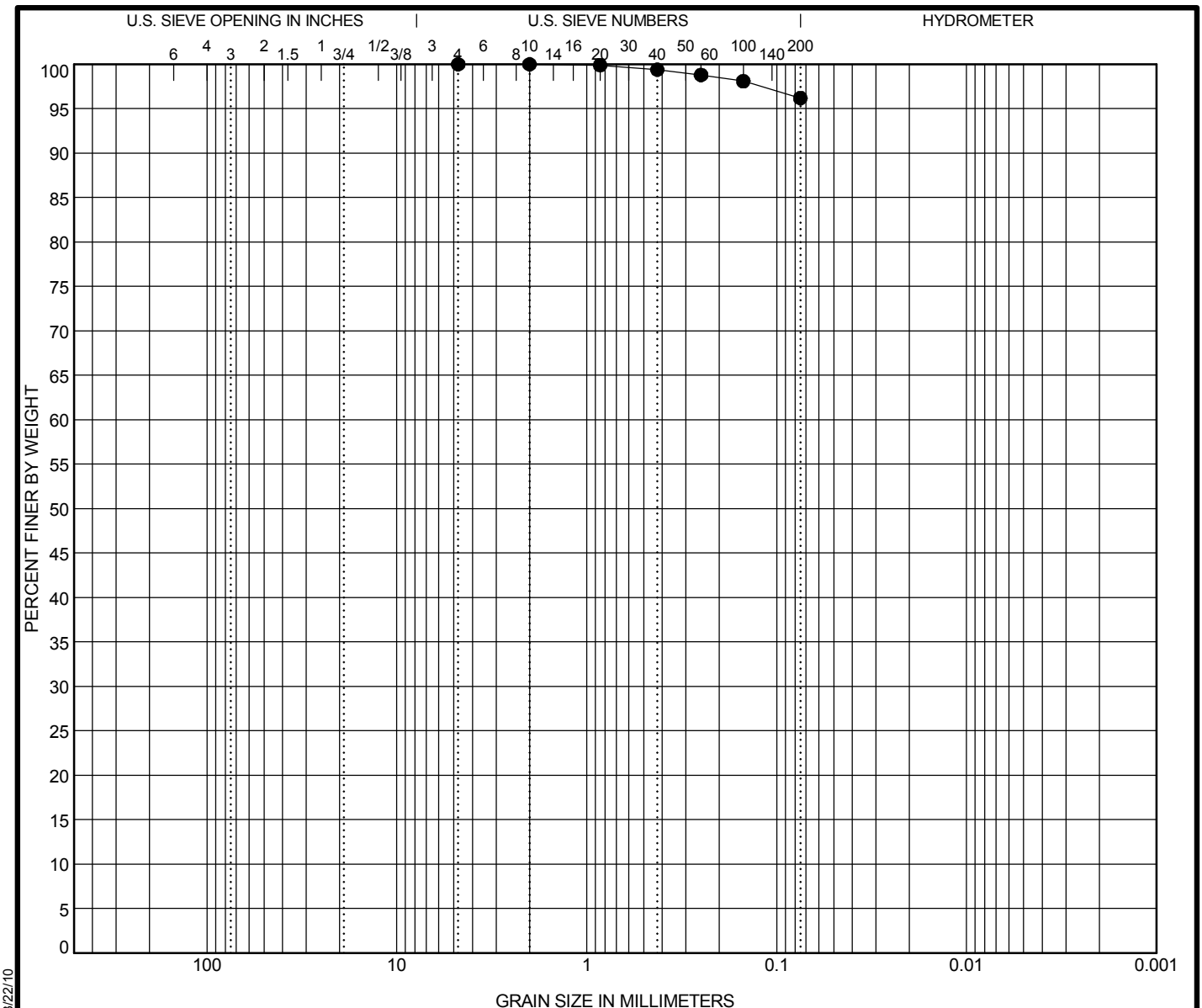
Schnabel ENGINEERING

GRADATION CURVE

Project: Pre-Development Planning Study - USCAVC

Contract: 10212006.00

SIEVE 1/SHEET LAB TEST RESULTS B-1-B-3.GPJ SCHNABEL DATA TEMPLATE 2008 04 22.GDT 3/22/10



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen		Sample Description	LL	PL	PI		
● B-3	8.5 ft	**LEAN CLAY (CL), contains sand, brown**	**38**	**15**	**23**		

Test Method	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
ASTM D6913	**4.75**				**0.0**	**3.8**	**96.2**	

Percent Finer

Sieve Size (mm)	0.075	0.15	0.25	0.425	0.85	2	4.75
% Finer	96.2	98.1	98.8	99.4	99.9	100.0	100.0

Schnabel ENGINEERING

GRADATION CURVE

Project: Pre-Development Planning Study - USCAVC

Contract: 10212006.00

SIEVE 1/SHEET LAB TEST RESULTS B-1-B-3.GPJ SCHNABEL DATA TEMPLATE 2008 04 22.GDT 3/22/10

APPENDIX C

RADON TESTING DATA

Radon Test Results (1 sheet)

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AccuStar Labs — Radon in Air

NEHA NRPP 101193 AL
NRSB ARL0017

EPA Method #402-R-92-004
Alpha Track
NEHA Device Code 8205
NRSB Device Code 12001

Laboratory Report For

Schnabel Engineering Associates-M. Grzelak
656 Quince Orchards Road Suite 700
Gaithersburg MD 20878

Property Tested

Project # 10212006-TASK 1

Pre Development Planning Study
49 L Street Southeast
Washington DC

Log Number	Device Number	Exposure Period		Area Tested	Result (pCi/L)
1154059	2028116	3/31/2010	4/7/2010	Outside West R-1	63.0
1154060	2028117	3/31/2010	4/7/2010	Outside West R-1	80.0
1154061	2028118	3/31/2010	4/7/2010	Outside East R-2	109.0
1154062	2028119	3/31/2010	4/7/2010	Outside East R-2	90.0

Comment: A copy of this report was emailed to mgrzelak@schnabel-eng.com. No test address zip code provided. Your Alpha Track results are valid but do not meet the EPA protocol for long term testing of 91 to 365 days.

Distributed By: Schnabel Engineering Associates

Test Performed By: M. Grzelak

Date Received: 4/9/2010 Date Analyzed: 4/14/2010 Date Reported: 4/14/2010

Report Reviewed By: (b) (6) [redacted]

Report Approved By: (b) (6) [redacted]
Carolyn K. Allen President, AccuStar Labs

Disclaimer:

The uncertainty of this radon measurement is ~+/- 15 %. Factors contributing to uncertainty include, statistical variations, daily and seasonal variations in radon concentrations, sample collection techniques, and operation of the dwelling. Interference with test conditions may influence the test results.

This report may only be transferred to a third party in its entirety. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY. Results shown on this report represent levels of radon gas measured between the dates shown in the room or area of the site identified above as "Property Tested". Incorrect information will affect results. The results may not be construed as either predictive or supportive of measurements conducted in any area of this structure at any other time. AccuStar Labs, its employees and agents are not responsible for the consequences of any action taken or not taken based upon the results reported or any verbal or written interpretation of the results.

11 Awl Street Medway MA 02053 888-480-8812 FAX 508-533-8831

APPENDIX D

WMATA SUBSURFACE EXPLORATION DATA

Boring Log, F-37U (1 sheet)

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BORING NUMBER F-37U

Ground surface elevation + 28.9

Depth	Blows	Sample	N	Description	Stratum
0	21, 13, 11, 12	1D	11,9, 4	Dark-brown clayey silt, some fine sand, trace gravel (Fill) (ML)	DK BRN SI, FILL 4.0'
5	9, 18, 21, 37, 71	2D	6,9, 15	Gray-brown silty clay (Fill) (CL)	
0	37, 36, 27	3D	10,14 16	Do 2D (Red-brown & desiccated (CL)	MEDIUM STIFF TO STIFF GRAY-BROWN SILTY CLAY
	38, 40	4U	P	Gray-brown silty clay, trace fine sand (CL)	
15	20, 27, 35	5U	P	Do 4U (CL)	
	46	6U	P	Gray-brown silty clay (CL)	
20	71, 38	7D	6,11, 18	Do 6U (CL)	
	30, 38, 25, 22, 14	8U	P	Stiff yellow-brown medium plastic clay (CH)	24.0'
25	16, 10	9U	P	Gray clay & silt, trace fine sand (CL & MH)	MEDIUM COMPACT GRAY SILT TURNING TO SILTY FINE TO MEDIUM SAND WITH LAYERS DARK-GRAY SILTY CLAY
	21, 31, 36	10D	9,6, 13	Gray fine sandy silt, lense fine to medium sand (ML)	
30	56, 37, 32	11D	7,8,5	Gray silty fine to medium sand, some clay layers (SM)	
	35, 42	12U	P	Gray clay with fine to medium sand layers (CL)	
35	110, 90, 200, 88, 61	13D	6,14, 13	Brown medium to fine sand, some clay (SC)	
40	45, 40, 45	14D	7,7,7	Gray silty clay, some fine sand (CL-ML)	
	47, 83	15U	P	Gray silty fine sand (SM)	45.0'
45	113, 89, 70, 67, 68	16D	26,30 44	Gray coarse to fine sand & gravel, some clay (SM & SC)	COMPACT GRAY-BROWN C-F SAND & GRAVEL, TRACE SILT
50	72, 131, 185, 126, 106	17D	13,13 22	Gray-brown coarse to fine sand & gravel, trace silt (SP)	54.5'
55	79, 75	18D	8,8, 13	Brown-gray organic silty clay, trace gray fine sand seams, decayed wood (OH)	COMPACT GRAY MEDIUM TO FINE SAND & STIFF GRAY SILTY CLAY WITH LAYERS OF DECOMPOSED WOOD
	265, 270, 220	19U	P	Gray silty fine to medium sand, trace silt (SM)	
60	124, 340, 380, 172, 103	20D	31,37 40	Gray medium to fine sand, some silt (SM)	
65	100, 100, 141, 145, 200	21D	18,60 45	Top: Dark-gray organic silty clay, layers decayed wood (OH) Bot: Brown medium to fine sand, trace silt (SP-SM)	71.0'
70		22D	32,42 34	Gray-green plastic clay with lense medium to fine sand (CH)	HARD GRAY-GREEN & GRAY-BROWN MEDIUM PLASTIC CLAY & SANDY CLAY INTER-LENSED WITH GRY-BRN FINE SAND
75		23D	36,52 90	Gray-green & dark-brown silty clay interlensed with gray-brown fine sand (CL)	
80		24D	20,26 41	Do 23D, sandy clay (CL)	
85		25D	24,36 52	Do 23D (CL)	
		26D	36,55 57	Gray to gray-green fine to medium sand & gravel, trace clay (SP-SM)	90.0'
90					

Boring started 7-29-71 , completed 8-4-71
Final depths:
Boring = 90.0' Casing = 70'
Casing diameter =4"
Average depth of ground water =33.5' = El. -4.6

WMATA SUBSURFACE EXPLORATION DATA

PROJECT NO. 10212006

PRE-DEVELOPMENT PLANNING STUDY - USCAVC
49 L STREET SE
WASHINGTON, DC

Schnabel ENGINEERING

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PHASE II
ENVIRONMENTAL SITE ASSESSMENT
49 L STREET SE, WASHINGTON, DC

Schnabel Reference # 10212006
May 14, 2010

Schnabel
ENGINEERING

Phase II Environmental Site Assessment

49 L Street SE
Washington, DC

(Schnabel Project No. 10212006)

Prepared for:
Ms. Amy Stein
MGA Partners
234 Market Street
Philadelphia, PA 19106

May 14, 2010

Prepared by:

(b) (6) [redacted]
Matthew Ker
Project Scientist

(b) (6) [redacted]
Jeffrey Nelson, PE
Principal

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TABLE

Table 1 – Soil Analytical Results
Table 2 – Groundwater Analytical Results

FIGURES

Figure 1 – Site Vicinity Map
Figure 2 – Boring Location Plan

APPENDICES

Appendix A – Geoprobe Boring Logs
Appendix B – Laboratory Analytical Results

MR:MK:JN:oa
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1.0 SUMMARY

SCHNABEL ENGINEERING, LLC (Schnabel) has conducted a Phase II Environmental Site Assessment (ESA) for MGA Partner on a parcel of land located at 49 L Street SE in Washington, DC. The subject site is bounded by L Street to the north, Cushing Place to the east, Half Street to the west, and a privately owned parking lot to the south. Currently, the site is almost completely occupied with a 33,455 square foot, one- to two-story warehouse building. The site is being considered as the location for a new building to be used by the United States Court of Appeals for Veterans Claims (USCAVC).

The objective of the Phase II ESA was to evaluate *recognized environmental conditions* (RECs) consisting of several potential off-site sources of contamination, identified in a Phase I ESA report conducted by Greenhorne & O'Mara in June 2003. Specifically, the assessment focused on determining if petroleum hydrocarbons, Resource Conservation and Recovery Act (RCRA) metals and/or volatile organic compounds (VOCs) are present at the project site.

Schnabel advanced five environmental borings across the subject site. Four soil samples were analyzed for Total Petroleum Hydrocarbons (TPH)-Diesel Range Organics (DRO), TPH-Gasoline Range Organics (GRO), Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), methyl-tert-butyl ether (MTBE), Naphthalene, and RCRA metals. Two groundwater samples, as well as one field duplicate and one field blank were analyzed for TPH-DRO, TPH-GRO, dissolved RCRA metals, volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Additionally, a trip blank was analyzed for VOCs.

Soil samples obtained from the borings were screened on site with a photoionization detector (PID). PID readings ranging from 0 to 1,872 parts per million (ppm) were noted in GP-1. The highest PID readings were within the 14 ft to 23 ft interval. In boring GP-2, PID readings ranging from 1.5 ppm to 3.0 ppm were noted within the 4 ft to 8 ft sample interval. The soil from this interval did not appear to be stained and did not have a petroleum odor, the elevated PID readings were attributed to organic material in the sample. All other PID readings from GP-2 were 0 ppm. PID measurements of 0 ppm were obtained on all samples obtained from borings GP-3, GP-4 and GP-5. In addition to the Geoprobe borings, three geotechnical borings were advanced to maximum depths of approximately 70 ft. Petroleum odors and PID readings were noted at depths greater than the maximum Geoprobe investigation depths.

TPH-DRO and MTBE were not detected in any of the soil samples. TPH-GRO, BTEX and naphthalene were only detected in the soil sample from boring GP-1. All of the contaminants were below the DDOE screening levels and the EPA RBCs. Of the RCRA metals, only barium was detected in the soil samples. Barium was present in each of the borings, but did not exceed the EPA RBCs in any of the samples.

Laboratory results, PID screening and observations of the environmental soil samples indicate that low levels of petroleum contamination are present at depths of about 14 ft to 23 ft bgs at GP-1, on the northern central portion of the site. PID readings on geotechnical samples indicate potential petroleum contamination at depths up to 40 ft. At other locations on the site, the environmental laboratory results and PID screening did not detect evidence of petroleum contamination. However, petroleum odors and elevated PID readings on geotechnical samples from depths below 40 ft bgs did indicate low level potential petroleum contamination. With regard to the elevated metals that were detected in the soil samples, the metal concentrations were below the respective EPA RBCs and therefore are not a concern.

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TPH-DRO and SVOCs were not detected in the two groundwater samples. In the sample from GP-1, TPH-GRO, several VOCs and barium were detected. In the sample from GP-3, two VOCs (benzene and Tert-Butanol) and barium were detected. TPH-GRO was not detected in the groundwater sample from GP-3. With the exception of the benzene concentration in GP-3, all of the chemical concentrations detected in the groundwater were below the DDOE Risk-Based Corrective Action (DCRBCA) standards for groundwater. Benzene was detected in GP-3 at 0.0094 mg/L, which is above the District's standard of 0.005 mg/L.

We understand that current design concepts for the building consist of seven to eight stories above ground with one to two levels below-grade. In this case, site excavation is not expected to extend beyond 25 ft bgs. One localized area of contamination to a depth of 23 ft was identified in the area of GP-1. A deeper zone of contamination identified in the geotechnical borings would be expected to be below the building. Although only one localized area of contamination was identified in the top 25 ft, it is possible that additional small, localized areas of petroleum contaminated soil may be encountered during construction. Furthermore, if the building design changes and additional sub-grade levels are added, deeper soil contamination may be encountered during construction. In such a case, soil requiring disposal at a permitted facility will need laboratory analysis of additional parameters to satisfy the disposal facility's requirements. If petroleum impacted soil is encountered during construction, it is recommended that an environmental professional be on site during excavation activities to use field screening methods to identify and segregate petroleum impacted soils. In addition, it is recommended that the area of soil contamination is further delineated to aid in developing a cost for contaminated soil disposal and the potential need for inclusion of a vapor barrier in the building design.

Based on the analytical results for the groundwater samples, detectable levels of TPH-GRO, VOCs and metals are present in the groundwater. Benzene was detected in GP-3 at a level that is slightly above the District's groundwater standard. Groundwater was encountered at a depth of approximately 16 ft to 19 ft bgs during the investigation, which is above the bottom of the proposed building. If dewatering of the excavation is required or if a permanent groundwater collection system is installed, groundwater treatment may be required, depending on where the water is discharged (sanitary sewer or storm sewer). Discharge permits may require periodic testing of the groundwater to demonstrate that contaminated groundwater is not being discharged to the sanitary or storm sewer systems.

One potential concern with respect to site dewatering during construction is drawing groundwater contamination from off-site sources onto the site. Through our review of previous reports, we have identified that the southern adjacent site was formerly improved with a filling station. Furthermore, based on local experience, petroleum groundwater contamination exists in the vicinity of the subject site. The potential for movement of such contamination will depend on the local hydrogeologic conditions, the depth of excavation and the duration of dewatering. Monitoring of the dewatering discharge would provide for detection of any contaminants that might be drawn to the site.

Based on the results of this Phase II ESA, we recommend advancing additional borings in the area of GP-1 to vertically and horizontally delineate the area of soil contamination. The contaminants of concern identified during the Phase II ESA consist of TPH-GRO and VOCs.

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This summary has been prepared for the convenience of the users of this report. This summary does not contain all the information presented in this report and, therefore, the entire report should be read to assure all pertinent information is transmitted.

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2.0 INTRODUCTION

2.1 Project Description

SCHNABEL ENGINEERING, LLC (Schnabel) performed a subsurface investigation for MGA Partners on a parcel of land located at 49 L Street SE in Washington, DC. Currently, the site is almost completely occupied with a 33,455 square foot, one- to two-story warehouse building. The site is being considered as the location for a new building to be used by the United States Court of Appeals for Veterans Claims (USCAVC).

2.2 Scope of Services

The subsurface investigation conducted by Schnabel was completed in accordance with our proposal to MGA Partners dated December 18, 2009. The objective of the investigation was to evaluate *recognized environmental conditions* (RECs) that were identified in a Phase I ESA report conducted by Greenhorne & O'Mara in June 2003. The RECs consisted of several potential off-site sources of contamination. The assessment focused on determining if petroleum hydrocarbons, metals and polychlorinated biphenyls (PCBs) are present at the project site.

Services performed during the investigations included subsurface sampling and laboratory analysis as described in our proposals. Specifically, we:

1. Reviewed available information, including the Phase I ESA conducted by Greenhorne & O'Mara in June 2003 and information provided by GSA.

2. Advanced direct push (Geoprobe) borings at five locations across the site.

3. Provided on-site monitoring during drilling activities by an OSHA-trained environmental professional. The environmental professional screened the soils during drilling activities with a photoionization detector (PID) for the presence of volatile organic compounds (VOCs).

4. Collected soil and groundwater samples using EPA approved methods. Submitted samples to an EPA approved laboratory under appropriate chain of custody.

5. Performed laboratory analysis on soil and groundwater samples. Four soil samples were analyzed for TPH-DRO/GRO, BTEX, MTBE, naphthalene and Resource Conservation and Recovery Act (RCRA) metals. Two groundwater samples, one field duplicate, and one field blank were analyzed for TPH-DRO/GRO, VOCs, SVOCs and dissolved RCRA metals. A trip blank was analyzed for VOCs.

6. Screened the soil samples taken from a concurrent geotechnical investigation performed by Schnabel using a PID to detect the presence of VOCs.

7. Prepared this report of findings including laboratory analysis, boring logs, contamination information, conclusions and recommendations.

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3.0 SITE INFORMATION

3.1 Site Location and Description

The site is located southeast of the intersection of L Street and Half Street, west of Cushing Place, in southeast Washington, DC. The subject site has a physical address of 49 L Street SE and is developed with a 33,455 square foot building that occupies a majority of the site. A site location map is included as Figure 1.

A multi-story office building is located east of the site across Cushing Place SE. The site is bordered to the west by another multi-story building that sits next to a one- to two-story warehouse, across Half Street SE. Directly south of the property, abutting the warehouse, is a privately owned parking lot. The parking lot was previously improved with a filling station. North of the property across L Street SE appears to be a construction site. Underground and aboveground utilities exist around the site and include water lines, storm drains, and electric/communication lines.

3.2 Site History

In June 2003, Greenhorne & O'Mara (G&O) performed a Phase I Environmental Site Assessment (ESA) for the site. According to the ESA, the subject property was developed with the current structure in 1926. In the 1930's, the building was used as a gun depot. In the 1960's the building had been converted into a motor pool and auto service garage by the United States government. Once the government started using outside contractors to service its vehicles, the building was vacated. In 1991 the Department of Defense took over the building and has used it since that time for its Office of Special Events. The Park Police also used the building from 1999 to 2001.

It was also reported that the southern abutting property has been occupied as a filling station since 1959 until at least 2003, the time of the ESA. That property is currently developed with a privately owned parking lot.

Asbestos was observed in the building's pipe insulation in a previous study and was improperly removed and disposed of in an on-site dumpster. Asbestos debris was later observed on the premises, but air sampling revealed asbestos fiber counts below regulatory standards. Radon testing was also conducted for the site, and testing revealed levels below regulatory standards. During a previous site study, drinking water showed elevated levels of lead, iron and turbidity. Water samples were subsequently collected from a drinking fountain. Testing results revealed that none of these parameters were above regulatory standards for drinking water. A PCB study revealed that although there are no known transformers on the site, PCBs may be present in the light ballasts of fluorescent light bulbs used throughout the building.

The G&O Phase I ESA identified one potential REC, as defined by ASTM E 1527-05, in connection with the property, as well as several other potential issues of concern. The potential REC was the historical use of the property as a motor pool and auto service garage. The G&O Phase II ESA recommended that a limited Phase II ESA investigation of soil and groundwater to determine the impacts of historic on-site development. Furthermore, the G&O report recommended that all remaining asbestos containing material (ACM) should be identified and abated, all lead-based paint be identified and properly managed,

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and any potential PCB containing light ballasts and mercury-containing lamps should be properly recycled or disposed.

3.3 Site Geology and Hydrology

According to the Schnabel environmental and geotechnical investigations, the site is underlain by fill to depths ranging from 3.5 ft to 8.5 ft bgs. Below the fill material, the site is underlain by sandy lean clay, sandy fat clay, silty sand, and poorly graded sand, with various amounts of gravel, to maximum boring depths of 70 ft bgs. These soils are considered part of the Coastal Plain deposits of the Pleistocene aged Wicomico Formation and the Cretaceous-age Potomac Group.

Groundwater was measured during the environmental and geotechnical investigations at depths ranging from 16.5 ft to 42 ft bgs. The higher groundwater elevations may represent a zone of perched water. Note that fluctuations in the groundwater table should be expected depending on variations in precipitation, surface runoff, time of year, evaporation and similar factors.

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4.0 FIELD INVESTIGATION

4.1 Soil Sampling

Under the observation of a Schnabel representative, Earth Matters Inc. of Ellicott City, Maryland advanced five Geoprobe borings on March 1, 2010, at the locations indicated in Figure 2. Truck-mounted, direct-push equipment was used for the environmental investigation. The machine employed 4-ft rods. Borings were advanced to depths ranging from 21 ft bgs up to 47 ft bgs. Due to varying elevations of groundwater, the borings were advanced to different depths. The boring logs are included in Appendix A.

Soils were sampled continuously and recovered in 4 ft increments. The samples were collected in disposable polyethylene liners inserted into the steel probe rods for sampling at each interval. The liners preserved soil sample integrity and prevented sample contamination. Liners containing soil samples were split vertically upon recovery. Portions of the samples were placed in laboratory supplied jars for potential laboratory analysis and placed in a cooler on ice. Other portions of the samples were placed in zipper lock bags for PID screening. PID readings are annotated on the boring logs.

4.2 Soil Screening

Soil samples obtained from the five direct push borings were screened on site with a PID. Soil samples were taken from depths with the highest PID readings, or, if a PID reading of 0 ppm was obtained throughout the boring, samples were taken at depths just above the water table. The PID is an instrument used to detect VOCs. Note that a PID reading is a measure of the VOCs detected near a soil sample and is not a direct measure of the quantity of TPH present in the soil sample. The results of the screening are presented on the boring logs in Appendix A.

- PID readings ranging from 0 ppm to 1,872 ppm were noted in GP-1. The highest PID readings were within the 14 ft to 23 ft interval. Samples from this interval also had a strong petroleum odor and were discolored.
- In boring GP-2, PID readings ranging from 1.5 ppm to 3.0 ppm were noted within the 4 ft to 8 ft sample interval. The soil from this interval did not appear to be stained and did not have a petroleum odor; the elevated PID readings were attributed to organic material in the sample. All other PID readings from GP-2 were 0 ppm.
- PID measurements of 0 ppm were obtained on all samples obtained from borings GP-3, GP-4 and GP-5.

Soil samples obtained from a concurrent geotechnical study conducted at the subject site were also evaluated for the presence of VOCs through PID screening of the samples in the laboratory and descriptions provided on the boring logs. Three geotechnical borings (B-1, B-2 and B-3) were advanced with 2 ¼-inch hollow stem augers to a depth of 70 ft bgs, at the locations indicated in Figure 2.

- In boring B-1, elevated PID reading ranging from 60 ppm to 145 ppm were noted at the 18.5 ft to 20 ft interval and petroleum odors were noted in the logs at depths from 18.5 ft to 25 ft. These observations correspond with data from environmental boring GP-1, which was located

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approximately 5 ft from B-1. At greater depths in boring B-1, PID readings ranging from 1.8 ppm to 21.9 ppm were obtained on samples from 28.5 ft to 70 ft bgs.

- In boring B-2, the PID readings ranged from 0 ppm to 4.1 ppm, with the highest reading being obtained at a depth of 28.5 ft to 30 ft. Petroleum odors were noted in samples from boring B-2 from 43.5 ft to 50 ft bgs, which were below the maximum depth of the Geoprobe borings.
- Boring B-3 was similar to boring B-2, in that PID readings ranged from 0 ppm to 4.7 ppm and the highest reading occurred at a depth of 28.5 ft to 30 ft. Petroleum odors were noted in samples from boring B-3 at 48.5 ft to 50 ft bgs, which were below the maximum depth of the Geoprobe borings.

4.3 Groundwater Sampling

On March 1, 2010, a Schnabel representative collected groundwater samples from borings GP-1 and GP-3, which were located at the northern and southern boundaries of the site, respectively. A temporary PVC pipe with a 10-ft screened interval was installed at each location. The sample from GP-3 was collected using a peristaltic pump with flow controller. Due to the lower depth of groundwater in GP-1, the peristaltic pump could not be used to obtain a groundwater sample. The groundwater sample from GP-1 was collected using a disposable plastic bailer. Three well volumes were purged from each well prior to sample collection. Groundwater samples taken for analysis of RCRA metals were field filtered using a disposable filter. Disposable tubing and sample gloves were used to prevent cross contamination.

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5.0 LABORATORY ANALYSIS

The results of PID screening and information regarding areas of historical commercial site use were evaluated as an aid in selecting soil samples for laboratory chemical analysis. In the absence of non-zero PID readings, soil samples from the interval just above the saturated zone were submitted for analysis. Soil samples from borings GP-1, GP-2, GP-3 and GP-4 were submitted to HP Environmental, Inc. in Herndon, Virginia for analysis. The laboratory analysis for soil consisted of TPH DRO/GRO, BTEX, MTBE, Naphthalene, and RCRA metals. The sample depths ranged from 17 ft to 20 ft bgs.

Groundwater samples from borings GP-1 and GP-3 were also submitted to HP Environmental. These samples were analyzed for TPH-DRO, TPH-GRO, VOCs, SVOCs and dissolved RCRA metals.

5.1 Soil Analysis

Analytical results for the TPH DRO/GRO, BTEX, MTBE, naphthalene and RCRA metals are provided in Table 1. To provide reference values for interpreting the results, the summary table includes the Tier 1 Risk-Based Screening Levels (RBSLs) developed for the District Department of the Environment (DDOE) DC Risk-Based Corrective Action (DCRBCA) Plan (Tables 5-8 and 5-9). Table 1 also includes the Residential Clean-up Standards from the EPA Region 3 Risk-Based Concentrations (RBC) for Residential Soil from the Risk-Based Concentration Table dated September 1, 2008. Due to the absence of DDOE RBSLs for these parameters, EPA standards were used to assist in interpreting the laboratory results.

Table 1: Soil Analytical Results

Compound (mg/kg)	GP-1 19 ft to 20 ft	GP-2 17 ft to 18 ft	GP-3 19 ft to 20 ft	GP-4 18 ft to 20 ft	DDOE Screening Levels	EPA Region 3 RBCs Residential
TPH-DRO	ND	ND	ND	ND	969	NA
TPH-GRO	85	ND	ND	ND	814	NA
Benzene	0.01	ND	ND	ND	0.157	1.1
Toluene	0.0081	ND	ND	ND	125	5,000
Ethylbenzene	0.38	ND	ND	ND	1,160	5.7
Xylenes	0.35	ND	ND	ND	504	600
MTBE	ND	ND	ND	ND	1,440	3.9
Naphthalene	0.18	ND	ND	ND	NA	NA
Arsenic	ND	ND	ND	ND	0.101	0.39
Barium	18	10	15	52	NA	15,000
Cadmium	ND	ND	ND	ND	0.3	NA
Chromium	10	ND	ND	ND	NA	280
Lead	ND	ND	ND	ND	NA	400
Mercury	ND	ND	ND	ND	NA	6.7

Notes:
mg/kg = milligrams per kilogram
NA = Regulatory standard not available
ND = Not Detected

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TPH-DRO and MTBE were not detected in any of the samples. TPH-GRO, BTEX, and naphthalene were detected in only one sample, from boring GP-1. All of the detected values are below the DDOE screening levels and the EPA RBCs.

Of the RCRA metals, only barium was detected in the soil samples. Barium was present in each of the borings, but did not exceed the EPA RBCs in any of the samples.

5.2 Groundwater Analysis

Laboratory results from the groundwater samples are presented in Table 2. Analytical results are provided for TPH-DRO, TPH-GRO, VOCs, SVOCs and dissolved RCRA metals. To provide reference values for interpreting the results, the summary table includes the DDOE DCRBCA Plan standards for Groundwater and Surface Water at the Point of Exposure (Table 5-6, for groundwater).

Table 2: Groundwater Analytical Results

Compound (mg/L)	GP-1	GP-3	DDOE Groundwater Standard
TPH-DRO	ND	ND	7.3
TPH-GRO	0.56	ND	3.57
MTBE	0.011	ND	0.05
Tert-Butanol	0.34	0.84	NA
Diisopropyl ether	0.027	ND	NA
Tert-Amyl alcohol	0.12	ND	NA
Benzene	0.0019	**0.0094**	0.005
Toluene	0.0015	ND	1
Ethylbenzene	0.017	ND	0.7
xylenes	0.0144	ND	10
Isopropylbenzene	0.0032	ND	NA
n-propylbenzene	0.0046	ND	NA
1,3,5-Trimethylbenzene	0.0042	ND	NA
1,2,4-Trimethylbenzene	0.012	ND	NA
Naphthalene	0.0026	ND	0.73
Barium	0.14	0.16	NA

Notes:
mg/L = milligrams per liter
BOLD – exceeds regulatory standard
ND – Not Detected
NA – Regulatory standard not available

Chemical analysis of the groundwater sample from GP-1 showed no detectable concentrations of TPH-DRO or SVOCs. TPH-GRO, several VOCs and barium were detected at low levels in the groundwater sample from GP-1.

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Chemical analysis of the groundwater sample from GP-3 showed no detectable concentrations of TPH-DRO, TPH-GRO, and SVOCs. Low levels of two VOCs and barium were detected in GP-3. With the exception of the benzene concentration in GP-3, all detected levels are below the DDOE DCRBCA groundwater standards. Benzene was detected in GP-3 at 0.0094 mg/kg, which is slightly above the District's standard of 0.005.

5.3 Quality Control Samples

Three quality control samples were taken during the site investigation. The field blank and duplicate samples were analyzed for TPH-DRO, TPH-GRO, VOCs, SVOCs and dissolved RCRA Metals. The trip blank sample was analyzed for VOCs.

Chemical analysis of the field duplicate, GP-3a, showed no detectable concentrations of TPH-DRO, TPH-GRO, and SVOCs, which is consistent with the analytical results from GP-3. Low levels of tert-Butanol, benzene, and barium were detected in GP-3a at concentrations slightly higher than those seen in GP-3, but the results were still generally consistent.

Chemical analysis of the field blank and trip blank showed no detectable concentrations of any of the analyzed contaminants.

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6.0 FINDINGS

Based on information from the June 2003 Phase I ESA for the site, the current structure has existed since at least 1926 and was previously used as a motor pool and auto service garage. The southern abutting property was previously occupied with a filling station from 1959 until at least 2003, the time of the ESA. That property is currently developed with a privately owned parking lot. Therefore, this investigation was directed to determining whether impacts to the subsurface have occurred as a result of former site uses or the former offsite adjacent filling station.

Laboratory results, PID screening, and observations of the environmental soil samples indicate that low levels of petroleum contamination are present at depths of about 14 ft to 23 ft bgs at GP-1, on the northern central portion of the site. PID readings on geotechnical samples indicate potential petroleum contamination at depths up to 40 ft. At other locations on the site, the environmental laboratory results and PID screening did not detect evidence of petroleum contamination. However, petroleum odors and elevated PID readings on geotechnical samples from depths below 40 ft bgs did indicate low level potential petroleum contamination. With regard to the elevated metals that were detected in the soil samples, the metal concentrations were below the respective EPA RBCs and therefore are not a concern.

TPH-DRO and SVOCs were not detected in the two groundwater samples. In the sample from GP-1, TPH-GRO, several VOCs and barium were detected. In the sample from GP-3, two VOCs (benzene and Tert-Butanol) and barium were detected. TPH-GRO was not detected in the groundwater sample from GP-3. With the exception of the benzene concentration in GP-3, all of the chemical concentrations detected in the groundwater were below the DDOE Risk-Based Corrective Action (DCRBCA) standards for groundwater. Benzene was detected in GP-3 at 0.0094 mg/L, which is above the District's standard of 0.005 mg/L.

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7.0 CONCLUSIONS AND RECOMMENDATIONS

We understand that current design concepts for the building consist of seven to eight stories above ground with one to two levels below-grade. In this case, site excavation is not expected to extend beyond 25 ft bgs. One localized area of contamination to a depth of 23 ft was identified in the area of GP-1. A deeper zone of contamination identified in the geotechnical borings would be expected to be below the building. Although only one localized area of contamination was identified in the top 25 ft, it is possible that additional small, localized areas of petroleum contaminated soil may be encountered during construction. Furthermore, if the building design changes and additional sub-grade levels are added, deeper soil contamination may be encountered during construction. In such a case, soil requiring disposal at a permitted facility will need laboratory analysis of additional parameters to satisfy the disposal facility's requirements. If petroleum impacted soil is encountered during construction, it is recommended that an environmental professional be on site during excavation activities to use field screening methods to identify and segregate petroleum impacted soils. In addition, it is recommended that the area of soil contamination is further delineated to aid in developing a cost for contaminated soil disposal and the potential need for inclusion of a vapor barrier in the building design.

Due to the apparently localized areas of contamination, anticipated removal of contaminated soil during construction, and very low level groundwater contamination, vapor intrusion does not appear to be an issue for the proposed building. However, if building design changes or a broad area of petroleum impacted soil is identified, vapor intrusion could be an issue for the proposed building.

Based on the analytical results for the groundwater samples, detectable levels of TPH-GRO, VOCs and metals are present in the groundwater. Benzene was detected in GP-3 at a level that is slightly above the District's groundwater standard. Groundwater was encountered at a depth of approximately 16 ft to 19 ft bgs during the investigation, which is above the bottom of the proposed building. If dewatering of the excavation is required or if a permanent groundwater collection system is installed, groundwater treatment may be required, depending on where the water is discharged (sanitary sewer or storm sewer). Discharge permits may require periodic testing of the groundwater to demonstrate that contaminated groundwater is not being discharged to the sanitary or storm sewer systems.

One potential concern with respect to site dewatering during construction is drawing groundwater contamination from off-site sources onto the site. Through our review of previous reports, we have identified that the southern adjacent site was formerly improved with a filling station. Furthermore, based on local experience, petroleum groundwater contamination exists in the vicinity of the subject site. The potential for movement of such contamination will depend on the local hydrogeologic conditions, the depth of excavation and the duration of dewatering. Monitoring of the dewatering discharge would provide for detection of any contaminants that might be drawn to the site.

Based on the results of this Phase II ESA, we recommend advancing additional borings in the area of GP-1 to vertically and horizontally delineate the area of soil contamination. The contaminants of concern identified during the Phase II ESA consist of TPH-GRO and VOCs.

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8.0 GENERAL LIMITATIONS

Chemical analyses have been performed on soil and groundwater samples recovered at the site during the course of this study. It is possible that additional constituents not searched for during this study might be present in soil and/or groundwater.

Our conclusions regarding the site are based on observations of existing site conditions, our interpretations of site history and site usage information, and the results of a limited subsurface exploration, sample screening and chemical testing program. The results of this evaluation are qualified by the fact that only a limited number of borings, soil and groundwater sampling, and chemical testing were conducted at the site. The concentrations of contaminants measured may not be representative of conditions at locations intermediate to those locations sampled.

The report's findings are based on conditions that existed on the dates of our site visits and should not be relied upon to precisely represent conditions at any other time. Surface and subsurface conditions at the site could change with the passage of time.

This report is an instrument of service of Schnabel Engineering, LLC and has been prepared for, and is intended for the exclusive use, of MGA Partners and the General Services Administration. The content of this report should not be relied upon by any other party without our express consent.

We have endeavored to provide the professional services as reported herein in accordance with generally accepted environmental practices, and make no other warranties, either express or implied, as to the professional services provided under the terms of this agreement and included on this report.

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FIGURES

Site Vicinity Map, Figure 1
Boring Location Plan, Figure 2

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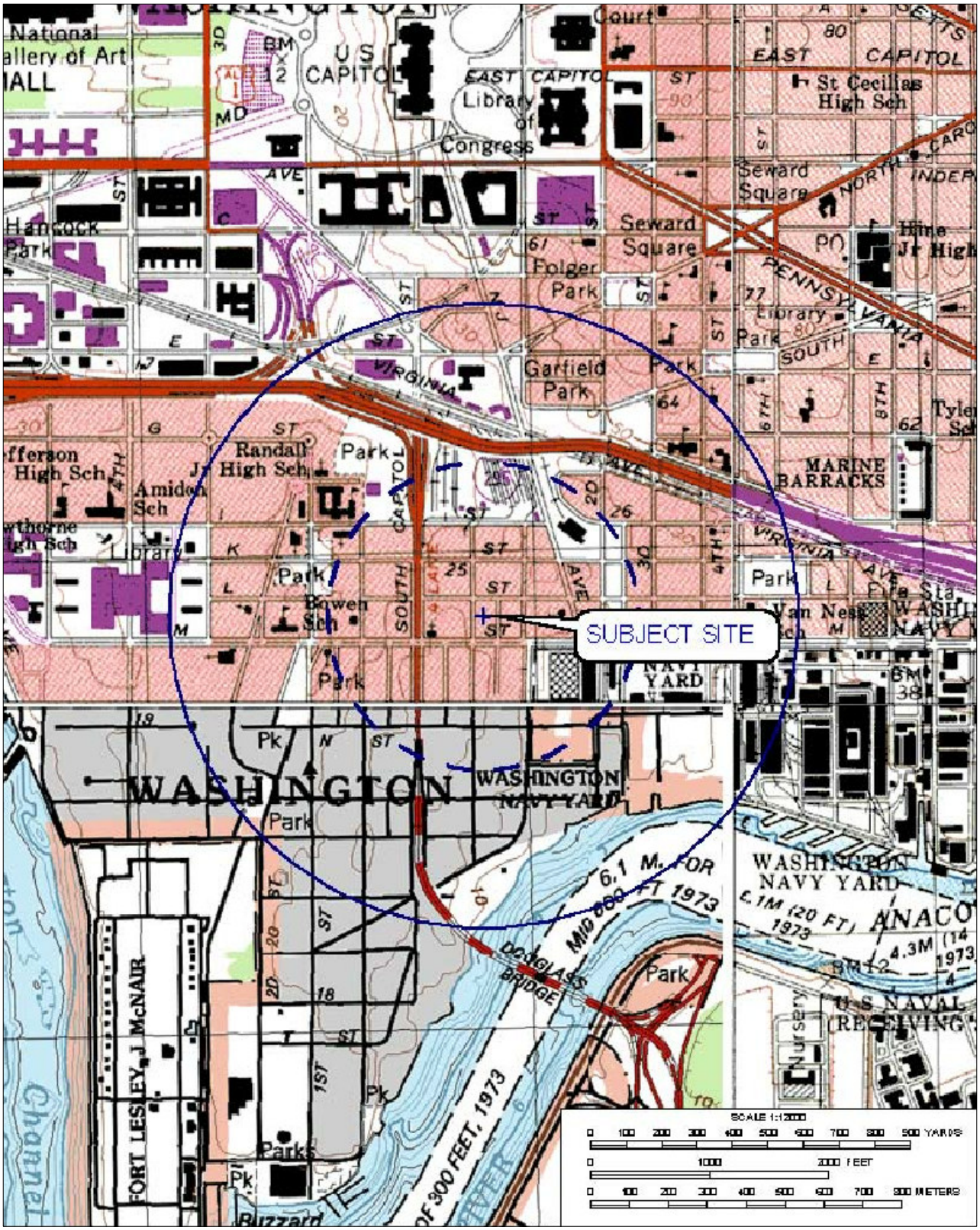

LEGEND

1 MILE RADIUS

½ MILE RADIUS

REFERENCE: 7.5-Minute Series Topographic Map 1985 Washington West Quadrangle

Schnabel ENGINEERING	USCAVC 49 L STREET SE WASHINGTON, DC	VICINITY MAP PROJECT NO.: 10212006 MARCH 2010 | FIGURE NO.: 1

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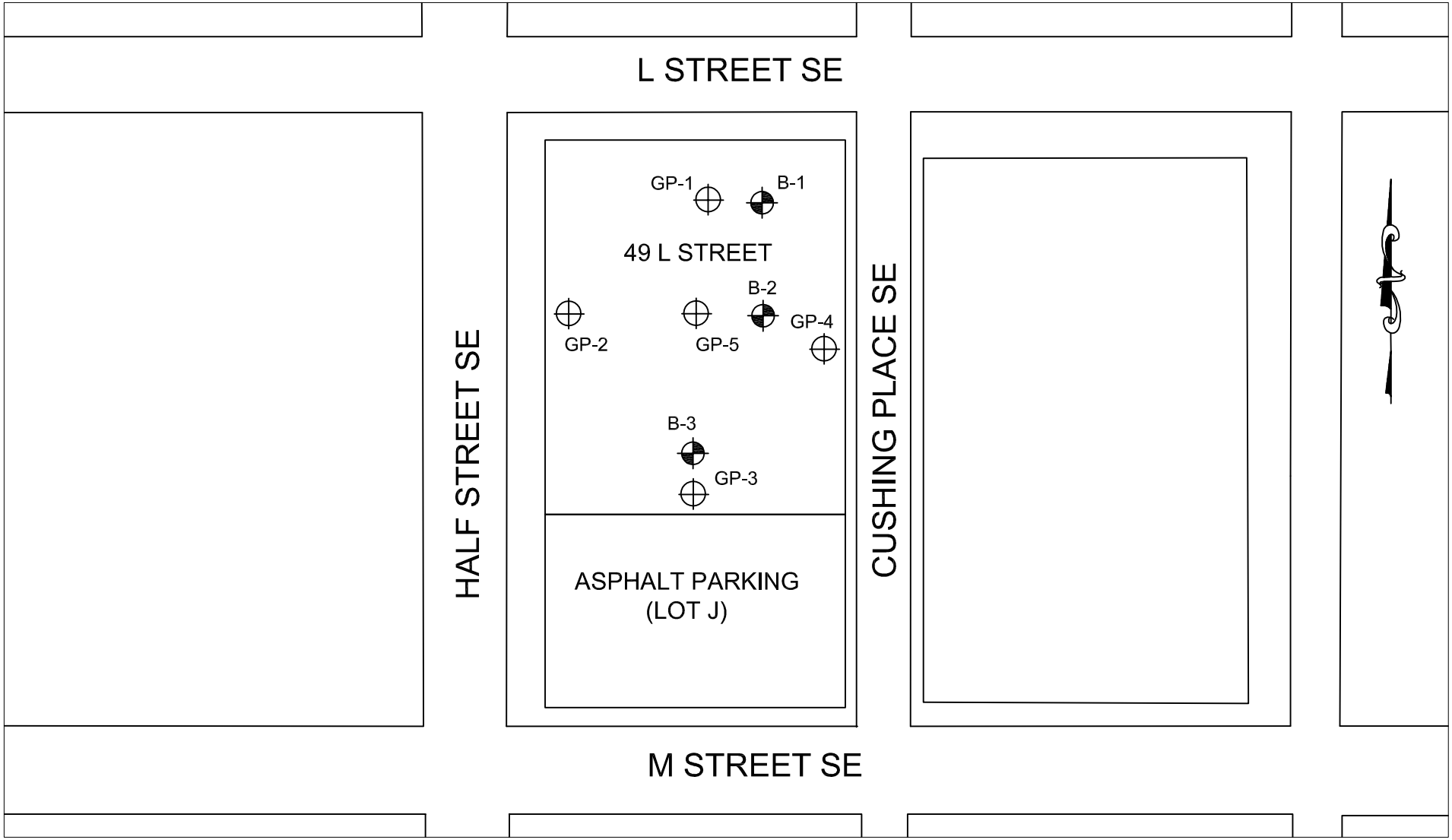

LEGEND

⊕ – APPROXIMATE GEOPROBE BORING LOCATION
⊕ – APPROXIMATE GEOTECHNICAL BORING LOCATION

Schnabel ENGINEERING	USCAVC 49 L STREET SE WASHINGTON, DC	DRAWN BY: MR	DATE: MARCH 2010	BORING LOCATION PLAN
		CHECKED BY: JN	SCALE: NOT TO SCALE	PROJECT: 10212006 FIGURE 2

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APPENDIX A

Geoprobe Boring Logs (6 sheets)

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Schnabel ENGINEERING	GEO PROBE LOG	Project: 49 L Street SE Washington, D.C.	Geo Probe Number: **GP-01** Contract Number: 10212006 Sheet: 1 of 2

Contractor: Earth Matters

Contractor Foreman: Paul

Schnabel Representative: M. Ker and M. Rodriguez

Equipment: Geoprobe 540B

Method: Direct Push

Hammer Type:

Dates Started: 3/1/10 **Finished:** 3/1/10

Location: See Location Plan

Ground Surface Elevation: **Total Depth:** 47.0 ft

Groundwater Observations

	Date	Time	Depth	Casing	Caved
Encountered ▽	3/1	11:17 AM	41.0'	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
	FILL, sampled as silty sand, fine grained sand; moist, orangish brown	FILL				GEOPROBE REC=39"	PID = 0 ppm	
3.5	SANDY LEAN CLAY; moist, orangish brown	CL			5	GEOPROBE REC=48"	PID = 0 ppm	
					10	GEOPROBE REC=36"	PID = 0 ppm	
11.0	CLAYEY SAND, fine grained sand; moist, orangish brown and red, contains gravel Change: no gravel	SC				GEOPROBE REC=36"	PID = 0 ppm	
					15	GEOPROBE REC=36"	PID = 0 ppm	
16.5							PID = 15.3 ppm	Petroleum odor
17.0	SANDY LEAN CLAY; moist, orangish brown	CL				GEOPROBE REC=36"	PID = 1872 ppm	
	CLAYEY SAND, fine to medium grained sand; moist, orangish brown Change: gray	SC			20	GEOPROBE REC=36"	PID 1.9 - 3.4 ppm	Samples taken
21.8	SANDY LEAN CLAY; moist, gray, contains organics, slight organic odor	CL				GEOPROBE REC=27"	PID = 0 ppm	

(continued)

Schnabel ENGINEERING	GEO PROBE LOG	Project: 49 L Street SE Washington, D.C.	Geo Probe Number: **GP-01** Contract Number: 10212006 Sheet: 2 of 2

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
25.5		CL						
26.0	CLAYEY SAND, fine grained sand; moist, gray	SC				GEOPROBE REC=36"	PID = 3.2 ppm	
	LEAN CLAY; moist, gray	CL						Perched water
					30	GEOPROBE REC=36"	PID 63 - 91 ppm	
						GEOPROBE REC=36"	PID = 9 ppm	
	Change: dark brown and gray, contains organics							Petroleum odor
35.0	SANDY LEAN CLAY; moist, gray	CL			35	GEOPROBE REC=36"	PID 6 - 15.8 ppm	
36.3	CLAYEY SAND, fine to coarse grained sand; moist, gray	SC						
37.5		SP						
38.0	POORLY GRADED SAND, fine to coarse grained sand; moist, gray					GEOPROBE REC=15"	PID = 1.7 ppm	
	POORLY GRADED SAND WITH SILT AND GRAVEL; moist, gray				40			
						GEOPROBE REC=18"	PID = 0 ppm	
		SP-SM						
	Change: wet				45	GEOPROBE REC=36"	PID = 0 ppm	
47.0								

Bottom of Geo Probe at 47.0 ft.
Temporary well installed upon completion

Schnabel ENGINEERING — **GEO PROBE LOG**

Project: 49 L Street SE
Washington, D.C.

Geo Probe Number: **GP-02**
Contract Number: 10212006
Sheet: 1 of 1

Contractor: Earth Matters
Contractor Foreman: Paul
Schnabel Representative: M. Ker and M. Rodriguez
Equipment: Geoprobe 540B
Method: Direct Push
Hammer Type:
Dates Started: 3/1/10 **Finished:** 3/1/10
Location: See Location Plan
Ground Surface Elevation: **Total Depth:** 21.0 ft

Groundwater Observations

	Date	Time	Depth	Casing	Caved
Encountered ▽	3/1	11:55 AM	16.5'	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.5	FILL, sampled as silty sand, fine grained sand; dry, tan, contains gravel	FILL				GEOPROBE REC=27"	PID = 0 ppm	
2.5	FILL, sampled as clayey sand, fine grained sand; moist, dark brown	FILL						
	SANDY LEAN CLAY; moist, dark brown	CL			5	GEOPROBE REC=39"	PID 1.5 - 3.0 ppm	
6.5	FAT CLAY; moist, grayish brown	CH						
8.0	SANDY LEAN CLAY; moist, orangish brown	CL			10	GEOPROBE REC=48"	PID = 0 ppm	
						GEOPROBE REC=36"	PID = 0 ppm	
14.0	SILTY SAND, fine grained sand; moist, orangish brown	SM						
15.0	SANDY LEAN CLAY; moist, orangish brown ▽	CL			15	GEOPROBE REC=36"	PID = 0 ppm	Samples taken
					20	GEOPROBE REC=36"	PID = 0 ppm	
20.5	SILTY SAND, fine to coarse grained sand; moist, orangish brown	SM						
21.0	Bottom of Geo Probe at 21.0 ft.							

Schnabel ENGINEERING	GEO PROBE LOG	**Project:** 49 L Street SE Washington, D.C.	**Geo Probe Number:** **GP-03** **Contract Number:** 10212006 **Sheet:** 1 of 1

Contractor: Earth Matters

Contractor Foreman: Paul

Schnabel Representative: M. Ker and M. Rodriguez

Equipment: Geoprobe 540B

Method: Direct Push

Hammer Type:

Dates Started: 3/1/10 **Finished:** 3/1/10

Location: See Location Plan

Ground Surface Elevation: **Total Depth:** 24.0 ft

Groundwater Observations

	Date	Time	Depth	Casing	Caved
Encountered ▽	3/1	9:15 AM	19.0'	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
	FILL, sampled as silty sand, fine grained sand; dry, light brown	FILL				GEOPROBE REC=30"	PID = 0 ppm	
3.0	SANDY LEAN CLAY; moist, orangish brown				5	GEOPROBE REC=32"	PID = 0 ppm	
	Change: orangish brown with streaks of black Change: orangish brown and red	CL			10	GEOPROBE REC=48"	PID = 0 ppm	
						GEOPROBE REC=36"	PID = 0 ppm	
					15	GEOPROBE REC=36"	PID = 0 ppm	
17.5	CLAYEY SAND, fine grained sand; moist, orangish brown	SC						
18.5	SANDY LEAN CLAY; wet, orangish brown ▽	CL			20	GEOPROBE REC=36"	PID = 0 ppm	Samples taken
20.5	CLAYEY SAND, fine grained sand; wet, orangish brown	SC						
21.0	SANDY LEAN CLAY; moist, orangish brown Change: gray, contains mica, organic odor	CL				GEOPROBE REC=36"	PID = 0 ppm	
24.0	Bottom of Geo Probe at 24.0 ft. Temporary well installed upon completion							

Schnabel ENGINEERING	GEO PROBE LOG	**Project:** 49 L Street SE Washington, D.C.	**Geo Probe Number:** **GP-04** **Contract Number:** 10212006 **Sheet:** 1 of 1

Contractor: Earth Matters

Contractor Foreman: Paul

Schnabel Representative: M. Ker and M. Rodriguez

Equipment: Geoprobe 540B

Method: Direct Push

Hammer Type:

Dates Started: 3/1/10 **Finished:** 3/1/10

Location: See Location Plan

Ground Surface Elevation: **Total Depth:** 30.0 ft

Groundwater Observations

	Date	Time	Depth	Casing	Caved
Encountered ∇	3/1	12:42 PM	17.0'	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
	FILL, sampled as silty sand, fine to medium grained sand; moist, orangish brown	FILL				GEOPROBE REC=24"	PID = 0 ppm	
2.0	CLAYEY SAND, fine grained sand; moist, orangish brown	SC				GEOPROBE REC=48"	PID = 0 ppm	
5.0	SANDY LEAN CLAY; moist, orangish brown	CL			5	GEOPROBE REC=36"	PID = 0 ppm	
	Change: orangish brown with streaks of black				10	GEOPROBE REC=36"	PID = 0 ppm	
11.0	CLAYEY SAND, fine grained sand; moist, orangish brown	SC				GEOPROBE REC=36"	PID = 0 ppm	
13.0	SANDY LEAN CLAY; moist, orangish brown	CL			15	GEOPROBE REC=36"	PID = 0 ppm	
	∇					GEOPROBE REC=36"	PID = 0 ppm	Samples taken
					20	GEOPROBE REC=36"	PID = 0 ppm	Water table
21.5	FAT CLAY; wet, orangish brown	CH			25	GEOPROBE REC=36"	PID = 0 ppm	
27.0	LEAN CLAY; moist, grayish brown, contains mica	CL				GEOPROBE REC=21"	PID = 0 ppm	
30.0					30	GEOPROBE REC=24"	PID = 0 ppm	

Bottom of Geo Probe at 30.0 ft.

TEST BORING LOG P9120335.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 3/17/10

Schnabel ENGINEERING	GEO PROBE LOG	Project: 49 L Street SE Washington, D.C.	Geo Probe Number: **GP-05** Contract Number: 10212006 Sheet: 1 of 1

Contractor: Earth Matters

Contractor Foreman: Paul

Schnabel Representative: M. Ker and M. Rodriguez

Equipment: Geoprobe 540B

Method: Direct Push

Hammer Type:

Dates Started: 3/1/10 **Finished:** 3/1/10

Location: See Location Plan

Ground Surface Elevation: **Total Depth:** 24.0 ft

Groundwater Observations

	Date	Time	Depth	Casing	Caved
Encountered ▽	3/1	1:50 PM	18.5'	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
	FILL, sampled as silty sand, fine to medium grained sand; moist, orangish brown to dark brown, contains gravel	FILL				GEOPROBE REC=33"	PID = 0 ppm	
3.0	SANDY LEAN CLAY; moist, gray and brown, contains gravel	CL						
4.0	CLAYEY SAND, fine to medium grained sand; moist, gray to orangish brown	SC			5	GEOPROBE REC=39"	PID = 0 ppm	
6.0	SANDY LEAN CLAY; moist, orangish brown	CL				GEOPROBE REC=35"	PID = 0 ppm	
	Change: tan with mottles of orange				10			
12.0	CLAYEY SAND, fine grained sand; moist, tan with mottles of orange	SC				GEOPROBE REC=36"	PID = 0 ppm	
	Change: orangish brown				15	GEOPROBE REC=36"	PID = 0 ppm	
	▽					GEOPROBE REC=36"	PID = 0 ppm	
20.0	LEAN CLAY; moist, red with mottles of orange	CL			20			
21.0	SANDY LEAN CLAY; moist, gray, contains mica, organics	CL				GEOPROBE REC=36"	PID = 0 ppm	
24.0	Bottom of Geo Probe at 24.0 ft.							

TEST BORING LOG P9120335.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 3/17/10

APPENDIX B

Laboratory Analytical Results (27 sheets)

Schnabel Engineering, LLC
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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

1. Client Sample No: **GP-1** HPE Sample No.: 103202-01
Sample Matrix: Soil Date Collected: 03/01/10
Sample Location:

Test Requested: **BTEX/M/N**
Preparation Method: EPA 5030 Date Prepared: 03/02/10
Analysis Method: EPA 8260 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
Benzene	**10**	ug/Kg	5.0	
Toluene	**8.1**	ug/Kg	5.0	
Ethylbenzene	**380**	ug/Kg	5.0	
m,p-Xylene	**200**	ug/Kg	5.0	
o-Xylene	**150**	ug/Kg	5.0	
Methyl-tert-butyl ether (MTBE)	< 5.0	ug/Kg	5.0	U
Naphthalene	**180**	ug/Kg	5.0	

Test Requested: **TPH - Gasoline Range Organics**
Preparation Method: EPA 5030 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - GRO	**85**	mg/Kg	2.5	D

Test Requested: **TPH - Diesel Range Organics**
Preparation Method: EPA 3550 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - DRO	< 10	mg/Kg	10	U

Analyte Qualifier Codes
U = Analyte was not detected
J = Analyte detected below reporting limit (estimated value)
D = Analyte reported from a sample dilution
B = Analyte was detected in the corresponding method blank

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **GP-1**

Test Requested: **RCRA Total Metals**
Preparation Method: EPA 3050 Date Prepared: 03/03/10
Analysis Method: EPA 6010 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Arsenic	< 10	mg/Kg	10	U
Barium	**18**	mg/Kg	10	
Cadmium	< 10	mg/Kg	10	U
Chromium	**10**	mg/Kg	10	
Lead	< 10	mg/Kg	10	U
Selenium	< 10	mg/Kg	10	U
Silver	< 10	mg/Kg	10	U

Test Requested: **Mercury**
Preparation Method: EPA 7471 Date Prepared: 03/04/10
Analysis Method: EPA 7471 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Mercury	< 0.04	mg/Kg	0.04	U

Analyte Qualifier Codes
U = Analyte was not detected
J = Analyte detected below reporting limit (estimated value)
D = Analyte reported from a sample dilution
B = Analyte was detected in the corresponding method blank

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

2. Client Sample No: **GP-2** HPE Sample No.: 103202-02
Sample Matrix: Soil Date Collected: 03/01/10
Sample Location:

Test Requested: **BTEX/M/N**
Preparation Method: EPA 5030 Date Prepared: 03/02/10
Analysis Method: EPA 8260 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
Benzene	< 5.0	ug/Kg	5.0	U
Toluene	< 5.0	ug/Kg	5.0	U
Ethylbenzene	< 5.0	ug/Kg	5.0	U
m,p-Xylene	< 5.0	ug/Kg	5.0	U
o-Xylene	< 5.0	ug/Kg	5.0	U
Methyl-tert-butyl ether (MTBE)	< 5.0	ug/Kg	5.0	U
Naphthalene	< 5.0	ug/Kg	5.0	U

Test Requested: **TPH - Gasoline Range Organics**
Preparation Method: EPA 5030 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - GRO	< 0.5	mg/Kg	0.5	U

Test Requested: **TPH - Diesel Range Organics**
Preparation Method: EPA 3550 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - DRO	< 10	mg/Kg	10	U

Analyte Qualifier Codes
U = Analyte was not detected
J = Analyte detected below reporting limit (estimated value)
D = Analyte reported from a sample dilution
B = Analyte was detected in the corresponding method blank

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **GP-2**

Test Requested: **RCRA Total Metals**
Preparation Method: EPA 3050 Date Prepared: 03/03/10
Analysis Method: EPA 6010 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Arsenic	< 10	mg/Kg	10	U
Barium	**10**	mg/Kg	10	
Cadmium	< 10	mg/Kg	10	U
Chromium	< 10	mg/Kg	10	U
Lead	< 10	mg/Kg	10	U
Selenium	< 10	mg/Kg	10	U
Silver	< 10	mg/Kg	10	U

Test Requested: **Mercury**
Preparation Method: EPA 7471 Date Prepared: 03/04/10
Analysis Method: EPA 7471 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Mercury	< 0.04	mg/Kg	0.04	U

Analyte Qualifier Codes
U = Analyte was not detected
J = Analyte detected below reporting limit (estimated value)
D = Analyte reported from a sample dilution
B = Analyte was detected in the corresponding method blank

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Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

3. Client Sample No: **GP-3** HPE Sample No.: 103202-03
Sample Matrix: Soil Date Collected: 03/01/10
Sample Location:

Test Requested: **BTEX/M/N**
Preparation Method: EPA 5030 Date Prepared: 03/02/10
Analysis Method: EPA 8260 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
Benzene	< 5.0	ug/Kg	5.0	U
Toluene	< 5.0	ug/Kg	5.0	U
Ethylbenzene	< 5.0	ug/Kg	5.0	U
m,p-Xylene	< 5.0	ug/Kg	5.0	U
o-Xylene	< 5.0	ug/Kg	5.0	U
Methyl-tert-butyl ether (MTBE)	< 5.0	ug/Kg	5.0	U
Naphthalene	< 5.0	ug/Kg	5.0	U

Test Requested: **TPH - Gasoline Range Organics**
Preparation Method: EPA 5030 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - GRO	< 0.5	mg/Kg	0.5	U

Test Requested: **TPH - Diesel Range Organics**
Preparation Method: EPA 3550 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - DRO	< 10	mg/Kg	10	U

Analyte Qualifier Codes
U = Analyte was not detected
J = Analyte detected below reporting limit (estimated value)
D = Analyte reported from a sample dilution
B = Analyte was detected in the corresponding method blank

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **GP-3**

Test Requested: **RCRA Total Metals**
Preparation Method: EPA 3050 Date Prepared: 03/03/10
Analysis Method: EPA 6010 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Arsenic	< 10	mg/Kg	10	U
Barium	**15**	mg/Kg	10	
Cadmium	< 10	mg/Kg	10	U
Chromium	< 10	mg/Kg	10	U
Lead	< 10	mg/Kg	10	U
Selenium	< 10	mg/Kg	10	U
Silver	< 10	mg/Kg	10	U

Test Requested: **Mercury**
Preparation Method: EPA 7471 Date Prepared: 03/04/10
Analysis Method: EPA 7471 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Mercury	< 0.04	mg/Kg	0.04	U

Analyte Qualifier Codes
U = Analyte was not detected
J = Analyte detected below reporting limit (estimated value)
D = Analyte reported from a sample dilution
B = Analyte was detected in the corresponding method blank

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

4. Client Sample No: **GP-4** HPE Sample No.: 103202-04
Sample Matrix: Soil Date Collected: 03/01/10
Sample Location:

Test Requested: **BTEX/M/N**
Preparation Method: EPA 5030 Date Prepared: 03/02/10
Analysis Method: EPA 8260 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
Benzene	< 5.0	ug/Kg	5.0	U
Toluene	< 5.0	ug/Kg	5.0	U
Ethylbenzene	< 5.0	ug/Kg	5.0	U
m,p-Xylene	< 5.0	ug/Kg	5.0	U
o-Xylene	< 5.0	ug/Kg	5.0	U
Methyl-tert-butyl ether (MTBE)	< 5.0	ug/Kg	5.0	U
Naphthalene	< 5.0	ug/Kg	5.0	U

Test Requested: **TPH - Gasoline Range Organics**
Preparation Method: EPA 5030 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - GRO	< 0.5	mg/Kg	0.5	U

Test Requested: **TPH - Diesel Range Organics**
Preparation Method: EPA 3550 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - DRO	< 10	mg/Kg	10	U

Analyte Qualifier Codes
U = Analyte was not detected
J = Analyte detected below reporting limit (estimated value)
D = Analyte reported from a sample dilution
B = Analyte was detected in the corresponding method blank

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **GP-4**

Test Requested: **RCRA Total Metals**
Preparation Method: EPA 3050 Date Prepared: 03/03/10
Analysis Method: EPA 6010 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Arsenic	< 10	mg/Kg	10	U
Barium	**52**	mg/Kg	10	
Cadmium	< 10	mg/Kg	10	U
Chromium	< 10	mg/Kg	10	U
Lead	< 10	mg/Kg	10	U
Selenium	< 10	mg/Kg	10	U
Silver	< 10	mg/Kg	10	U

Test Requested: **Mercury**
Preparation Method: EPA 7471 Date Prepared: 03/04/10
Analysis Method: EPA 7471 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Mercury	< 0.04	mg/Kg	0.04	U

Analyte Qualifier Codes
U = Analyte was not detected
J = Analyte detected below reporting limit (estimated value)
D = Analyte reported from a sample dilution
B = Analyte was detected in the corresponding method blank

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

5. Client Sample No: **GP-1** HPE Sample No.: 103202-05
Sample Matrix: Water Date Collected: 03/01/10
Sample Location:

Test Requested: **Volatile Organic Compounds**
Preparation Method: EPA 5030 Date Prepared: 03/03/10
Analysis Method: EPA 8260 Date Analyzed: 03/03/10

Analyte	Result	Units	Reporting Limit	Qualifier
Dichlorodifluoromethane	< 5.0	ug/L	5.0	U
Chloromethane	< 5.0	ug/L	5.0	U
Vinyl chloride	< 5.0	ug/L	5.0	U
Bromomethane	< 5.0	ug/L	5.0	U
Chloroethane	< 5.0	ug/L	5.0	U
Trichlorofluoromethane	< 5.0	ug/L	5.0	U
1,1-Dichloroethene	< 5.0	ug/L	5.0	U
Acetone	< 5.0	ug/L	5.0	U
Methylene chloride	< 5.0	ug/L	5.0	U
Methyl-tert-butyl ether (MTBE)	**11**	ug/L	5.0	
tert-Butanol (TBA)	**340**	ug/L	5.0	
Diisopropyl ether (DIPE)	**27**	ug/L	5.0	
Ethyl-tert-butyl ether (ETBE)	< 5.0	ug/L	5.0	U
tert-Amyl methyl ether (TAME)	< 5.0	ug/L	5.0	U
tert-Amyl alcohol (TAA)	**120**	ug/L	10	
tert-Amyl ethyl ether (TAEE)	< 5.0	ug/L	5.0	U
trans-1,2-Dichloroethene	< 5.0	ug/L	5.0	U
1,1-Dichloroethane	< 5.0	ug/L	5.0	U
2-Butanone	< 5.0	ug/L	5.0	U
2,2-Dichloropropane	< 5.0	ug/L	5.0	U
cis-1,2-Dichloroethene	< 5.0	ug/L	5.0	U
Bromochloromethane	< 5.0	ug/L	5.0	U
Chloroform	< 5.0	ug/L	5.0	U
1,1,1-Trichloroethane	< 5.0	ug/L	5.0	U
Carbon tetrachloride	< 5.0	ug/L	5.0	U
1,1-Dichloropropene	< 5.0	ug/L	5.0	U
Benzene	**1.9**	ug/L	5.0	J
1,2-Dichloroethane	< 5.0	ug/L	5.0	U
Trichloroethene	< 5.0	ug/L	5.0	U
1,2-Dichloropropane	< 5.0	ug/L	5.0	U
Dibromomethane	< 5.0	ug/L	5.0	U
Bromodichloromethane	< 5.0	ug/L	5.0	U
cis-1,3-Dichloropropene	< 5.0	ug/L	5.0	U
4-Methyl-2-pentanone	< 5.0	ug/L	5.0	U
Toluene	**1.5**	ug/L	5.0	J
trans-1,3-Dichloropropene	< 5.0	ug/L	5.0	U
1,1,2-Trichloroethane	< 5.0	ug/L	5.0	U
2-Hexanone	< 5.0	ug/L	5.0	U
Tetrachloroethene	< 5.0	ug/L	5.0	U
1,3-Dichloropropane	< 5.0	ug/L	5.0	U
Dibromochloromethane	< 5.0	ug/L	5.0	U
1,2-Dibromoethane	< 5.0	ug/L	5.0	U
Chlorobenzene	< 5.0	ug/L	5.0	U

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **GP-1** **EPA 8260**

Analyte	Result	Units	Reporting Limit	Qualifier
1,1,1,2-Tetrachloroethane	< 5.0	ug/L	5.0	U
Ethylbenzene	**17**	ug/L	5.0	
m,p-Xylene	**6.6**	ug/L	5.0	
o-Xylene	**7.8**	ug/L	5.0	
Styrene	< 5.0	ug/L	5.0	U
Bromoform	< 5.0	ug/L	5.0	U
Isopropylbenzene	**3.2**	ug/L	5.0	J
Bromobenzene	< 5.0	ug/L	5.0	U
1,1,2,2-Tetrachloroethane	< 5.0	ug/L	5.0	U
1,2,3-Trichloropropane	< 5.0	ug/L	5.0	U
n-Propylbenzene	**4.6**	ug/L	5.0	J
2-Chlorotoluene	< 5.0	ug/L	5.0	U
4-Chlorotoluene	< 5.0	ug/L	5.0	U
1,3,5-Trimethylbenzene	**4.2**	ug/L	5.0	J
tert-Butylbenzene	< 5.0	ug/L	5.0	U
1,2,4-Trimethylbenzene	**12**	ug/L	5.0	
sec-Butylbenzene	< 5.0	ug/L	5.0	U
1,3-Dichlorobenzene	< 5.0	ug/L	5.0	U
4-Isopropyltoluene	< 5.0	ug/L	5.0	U
1,4-Dichlorobenzene	< 5.0	ug/L	5.0	U
1,2-Dichlorobenzene	< 5.0	ug/L	5.0	U
n-Butylbenzene	< 5.0	ug/L	5.0	U
1,2-Dibromo-3-chloropropane	< 5.0	ug/L	5.0	U
1,2,4-Trichlorobenzene	< 5.0	ug/L	5.0	U
Hexachlorobutadiene	< 5.0	ug/L	5.0	U
Naphthalene	**2.6**	ug/L	5.0	J
1,2,3-Trichlorobenzene	< 5.0	ug/L	5.0	U

Test Requested: **TPH - Gasoline Range Organics**
Preparation Method: EPA 5030 Date Prepared: 03/03/10
Analysis Method: EPA 8015 Date Analyzed: 03/03/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - GRO	**0.56**	mg/L	0.5	

Test Requested: **TPH - Diesel Range Organics**
Preparation Method: EPA 3510 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - DRO	< 0.5	mg/L	0.5	U

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Schnabel Engineering North. LLC
Attn: Matthew Ker
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

Date Received: 03/02/10
Date Reported: 03/04/10
Project Location: **49 L. Street**

Report Number: **103202**

Sample Results Continued --------- Client Sample No.: **GP-1**

Test Requested: **Semivolatile Organic Compounds**
Preparation Method: EPA 3510 Date Prepared: 03/02/10
Analysis Method: EPA 8270 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
bis(2-Chloroethyl)ether	< 10	ug/L	10	U
Phenol	< 10	ug/L	10	U
N-nitrosodimethylamine	< 10	ug/L	10	U
2-Chlorophenol	< 10	ug/L	10	U
1,3-Dichlorobenzene	< 10	ug/L	10	U
1,4-Dichlorobenzene	< 10	ug/L	10	U
1,2-Dichlorobenzene	< 10	ug/L	10	U
bis(2-chloroisopropyl)ether	< 10	ug/L	10	U
Hexachloroethane	< 10	ug/L	10	U
N-Nitroso-di-n-propylamine	< 10	ug/L	10	U
4-Methylphenol	< 10	ug/L	10	U
Nitrobenzene	< 10	ug/L	10	U
Isophorone	< 10	ug/L	10	U
2-Nitrophenol	< 10	ug/L	10	U
2,4-Dimethylphenol	< 10	ug/L	10	U
bis(2-Chloroethoxy)methane	< 10	ug/L	10	U
2,4-Dichlorophenol	< 10	ug/L	10	U
1,2,4-Trichlorobenzene	< 10	ug/L	10	U
Naphthalene	**1.4**	ug/L	10	J
Hexachlorobutadiene	< 10	ug/L	10	U
4-Chloro-3-methylphenol	< 10	ug/L	10	U
Hexachlorocyclopentadiene	< 10	ug/L	10	U
2,4,6-Trichlorophenol	< 10	ug/L	10	U
2-Chloronaphthalene	< 10	ug/L	10	U
Acenaphthylene	< 10	ug/L	10	U
Dimethylphthalate	< 10	ug/L	10	U
2,6-Dinitrotoluene	< 10	ug/L	10	U
Acenaphthene	< 10	ug/L	10	U
2,4-Dinitrophenol	< 10	ug/L	10	U
2,4-Dinitrotoluene	< 10	ug/L	10	U
4-Nitrophenol	< 10	ug/L	10	U
Fluorene	< 10	ug/L	10	U
4-Chlorophenyl-phenylether	< 10	ug/L	10	U
Diethylphthalate	< 10	ug/L	10	U
4,6-Dinitro-2-methylphenol	< 10	ug/L	10	U
N-Nitrosodiphenylamine	< 10	ug/L	10	U
1,2-Diphenylhydrazine	< 10	ug/L	10	U
4-Bromophenyl-phenylether	< 10	ug/L	10	U
Hexachlorobenzene	< 10	ug/L	10	U
Pentachlorophenol	< 10	ug/L	10	U
Phenanthrene	< 10	ug/L	10	U
Anthracene	< 10	ug/L	10	U
Carbazole	< 10	ug/L	10	U

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Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **GP-1** **EPA 8270**

Di-n-butylphthalate	< 10	ug/L	10	U
2,3,4,6-Tetrachlorophenol	< 10	ug/L	10	U
Fluoranthene	< 10	ug/L	10	U
Benzidine	< 10	ug/L	10	U
Pyrene	< 10	ug/L	10	U
Butylbenzylphthalate	< 10	ug/L	10	U
3,3'-Dichlorobenzidine	< 10	ug/L	10	U
Benzo[a]anthracene	< 10	ug/L	10	U
Chrysene	< 10	ug/L	10	U
bis(2-Ethylhexyl)phthalate	< 10	ug/L	10	U
Di-n-octylphthalate	< 10	ug/L	10	U
Benzo[b]fluoranthene	< 10	ug/L	10	U
Benzo[k]fluoranthene	< 10	ug/L	10	U
Benzo[a]pyrene	< 10	ug/L	10	U
Indeno[1,2,3-cd]pyrene	< 10	ug/L	10	U
Dibenz[a,h]anthracene	< 10	ug/L	10	U
Benzo[g,h,i]perylene	< 10	ug/L	10	U

Test Requested: **Dissolved RCRA Metals**
Preparation Method: EPA 3010 Date Prepared: 03/03/10
Analysis Method: EPA 6010 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Arsenic	< 50	ug/L	50	U
Barium	**140**	ug/L	50	
Cadmium	< 50	ug/L	50	U
Chromium	< 50	ug/L	50	U
Lead	< 50	ug/L	50	U
Selenium	< 50	ug/L	50	U
Silver	< 50	ug/L	50	U

Test Requested: **Dissolved Mercury**
Preparation Method: EPA 7470 Date Prepared: 03/04/10
Analysis Method: EPA 7470 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Mercury	< 1.0	ug/L	1.0	U

Analyte Qualifier Codes

U = Analyte was not detected
J = Analyte detected below reporting limit (estimated value)
D = Analyte reported from a sample dilution
B = Analyte was detected in the corresponding method blank

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

6. Client Sample No: **GP-3** HPE Sample No.: 103202-06
Sample Matrix: Water Date Collected: 03/01/10
Sample Location:

Test Requested: **Volatile Organic Compounds**
Preparation Method: EPA 5030 Date Prepared: 03/03/10
Analysis Method: EPA 8260 Date Analyzed: 03/03/10

Analyte	Result	Units	Reporting Limit	Qualifier
Dichlorodifluoromethane	< 5.0	ug/L	5.0	U
Chloromethane	< 5.0	ug/L	5.0	U
Vinyl chloride	< 5.0	ug/L	5.0	U
Bromomethane	< 5.0	ug/L	5.0	U
Chloroethane	< 5.0	ug/L	5.0	U
Trichlorofluoromethane	< 5.0	ug/L	5.0	U
1,1-Dichloroethene	< 5.0	ug/L	5.0	U
Acetone	< 5.0	ug/L	5.0	U
Methylene chloride	< 5.0	ug/L	5.0	U
Methyl-tert-butyl ether (MTBE)	< 5.0	ug/L	5.0	U
tert-Butanol (TBA)	**840**	ug/L	5.0	D
Diisopropyl ether (DIPE)	< 5.0	ug/L	5.0	U
Ethyl-tert-butyl ether (ETBE)	< 5.0	ug/L	5.0	U
tert-Amyl methyl ether (TAME)	< 5.0	ug/L	5.0	U
tert-Amyl alcohol (TAA)	< 10	ug/L	10	U
tert-Amyl ethyl ether (TAEE)	< 5.0	ug/L	5.0	U
trans-1,2-Dichloroethene	< 5.0	ug/L	5.0	U
1,1-Dichloroethane	< 5.0	ug/L	5.0	U
2-Butanone	< 5.0	ug/L	5.0	U
2,2-Dichloropropane	< 5.0	ug/L	5.0	U
cis-1,2-Dichloroethene	< 5.0	ug/L	5.0	U
Bromochloromethane	< 5.0	ug/L	5.0	U
Chloroform	< 5.0	ug/L	5.0	U
1,1,1-Trichloroethane	< 5.0	ug/L	5.0	U
Carbon tetrachloride	< 5.0	ug/L	5.0	U
1,1-Dichloropropene	< 5.0	ug/L	5.0	U
Benzene	**9.4**	ug/L	5.0	
1,2-Dichloroethane	< 5.0	ug/L	5.0	U
Trichloroethene	< 5.0	ug/L	5.0	U
1,2-Dichloropropane	< 5.0	ug/L	5.0	U
Dibromomethane	< 5.0	ug/L	5.0	U
Bromodichloromethane	< 5.0	ug/L	5.0	U
cis-1,3-Dichloropropene	< 5.0	ug/L	5.0	U
4-Methyl-2-pentanone	< 5.0	ug/L	5.0	U
Toluene	< 5.0	ug/L	5.0	U
trans-1,3-Dichloropropene	< 5.0	ug/L	5.0	U
1,1,2-Trichloroethane	< 5.0	ug/L	5.0	U
2-Hexanone	< 5.0	ug/L	5.0	U
Tetrachloroethene	< 5.0	ug/L	5.0	U
1,3-Dichloropropane	< 5.0	ug/L	5.0	U
Dibromochloromethane	< 5.0	ug/L	5.0	U
1,2-Dibromoethane	< 5.0	ug/L	5.0	U
Chlorobenzene	< 5.0	ug/L	5.0	U

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Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **GP-3** **EPA 8260**

Analyte	Result	Units	Reporting Limit	Qualifier
1,1,1,2-Tetrachloroethane	< 5.0	ug/L	5.0	U
Ethylbenzene	< 5.0	ug/L	5.0	U
m,p-Xylene	< 5.0	ug/L	5.0	U
o-Xylene	< 5.0	ug/L	5.0	U
Styrene	< 5.0	ug/L	5.0	U
Bromoform	< 5.0	ug/L	5.0	U
Isopropylbenzene	< 5.0	ug/L	5.0	U
Bromobenzene	< 5.0	ug/L	5.0	U
1,1,2,2-Tetrachloroethane	< 5.0	ug/L	5.0	U
1,2,3-Trichloropropane	< 5.0	ug/L	5.0	U
n-Propylbenzene	< 5.0	ug/L	5.0	U
2-Chlorotoluene	< 5.0	ug/L	5.0	U
4-Chlorotoluene	< 5.0	ug/L	5.0	U
1,3,5-Trimethylbenzene	< 5.0	ug/L	5.0	U
tert-Butylbenzene	< 5.0	ug/L	5.0	U
1,2,4-Trimethylbenzene	< 5.0	ug/L	5.0	U
sec-Butylbenzene	< 5.0	ug/L	5.0	U
1,3-Dichlorobenzene	< 5.0	ug/L	5.0	U
4-Isopropyltoluene	< 5.0	ug/L	5.0	U
1,4-Dichlorobenzene	< 5.0	ug/L	5.0	U
1,2-Dichlorobenzene	< 5.0	ug/L	5.0	U
n-Butylbenzene	< 5.0	ug/L	5.0	U
1,2-Dibromo-3-chloropropane	< 5.0	ug/L	5.0	U
1,2,4-Trichlorobenzene	< 5.0	ug/L	5.0	U
Hexachlorobutadiene	< 5.0	ug/L	5.0	U
Naphthalene	< 5.0	ug/L	5.0	U
1,2,3-Trichlorobenzene	< 5.0	ug/L	5.0	U

Test Requested: **TPH - Gasoline Range Organics**
Preparation Method: EPA 5030 Date Prepared: 03/03/10
Analysis Method: EPA 8015 Date Analyzed: 03/03/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - GRO	< 0.5	mg/L	0.5	U

Test Requested: **TPH - Diesel Range Organics**
Preparation Method: EPA 3510 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - DRO	< 0.5	mg/L	0.5	U

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Schnabel Engineering North. LLC
Attn: Matthew Ker
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

Date Received: 03/02/10
Date Reported: 03/04/10
Project Location: **49 L. Street**

Report Number: **103202**

Sample Results Continued --------- Client Sample No.: **GP-3**

Test Requested: **Semivolatile Organic Compounds**
Preparation Method: EPA 3510 Date Prepared: 03/02/10
Analysis Method: EPA 8270 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
bis(2-Chloroethyl)ether	< 10	ug/L	10	U
Phenol	< 10	ug/L	10	U
N-nitrosodimethylamine	< 10	ug/L	10	U
2-Chlorophenol	< 10	ug/L	10	U
1,3-Dichlorobenzene	< 10	ug/L	10	U
1,4-Dichlorobenzene	< 10	ug/L	10	U
1,2-Dichlorobenzene	< 10	ug/L	10	U
bis(2-chloroisopropyl)ether	< 10	ug/L	10	U
Hexachloroethane	< 10	ug/L	10	U
N-Nitroso-di-n-propylamine	< 10	ug/L	10	U
4-Methylphenol	< 10	ug/L	10	U
Nitrobenzene	< 10	ug/L	10	U
Isophorone	< 10	ug/L	10	U
2-Nitrophenol	< 10	ug/L	10	U
2,4-Dimethylphenol	< 10	ug/L	10	U
bis(2-Chloroethoxy)methane	< 10	ug/L	10	U
2,4-Dichlorophenol	< 10	ug/L	10	U
1,2,4-Trichlorobenzene	< 10	ug/L	10	U
Naphthalene	< 10	ug/L	10	U
Hexachlorobutadiene	< 10	ug/L	10	U
4-Chloro-3-methylphenol	< 10	ug/L	10	U
Hexachlorocyclopentadiene	< 10	ug/L	10	U
2,4,6-Trichlorophenol	< 10	ug/L	10	U
2-Chloronaphthalene	< 10	ug/L	10	U
Acenaphthylene	< 10	ug/L	10	U
Dimethylphthalate	< 10	ug/L	10	U
2,6-Dinitrotoluene	< 10	ug/L	10	U
Acenaphthene	< 10	ug/L	10	U
2,4-Dinitrophenol	< 10	ug/L	10	U
2,4-Dinitrotoluene	< 10	ug/L	10	U
4-Nitrophenol	< 10	ug/L	10	U
Fluorene	< 10	ug/L	10	U
4-Chlorophenyl-phenylether	< 10	ug/L	10	U
Diethylphthalate	< 10	ug/L	10	U
4,6-Dinitro-2-methylphenol	< 10	ug/L	10	U
N-Nitrosodiphenylamine	< 10	ug/L	10	U
1,2-Diphenylhydrazine	< 10	ug/L	10	U
4-Bromophenyl-phenylether	< 10	ug/L	10	U
Hexachlorobenzene	< 10	ug/L	10	U
Pentachlorophenol	< 10	ug/L	10	U
Phenanthrene	< 10	ug/L	10	U
Anthracene	< 10	ug/L	10	U
Carbazole	< 10	ug/L	10	U

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **GP-3** **EPA 8270**

Di-n-butylphthalate	< 10	ug/L	10	U
2,3,4,6-Tetrachlorophenol	< 10	ug/L	10	U
Fluoranthene	< 10	ug/L	10	U
Benzidine	< 10	ug/L	10	U
Pyrene	< 10	ug/L	10	U
Butylbenzylphthalate	< 10	ug/L	10	U
3,3'-Dichlorobenzidine	< 10	ug/L	10	U
Benzo[a]anthracene	< 10	ug/L	10	U
Chrysene	< 10	ug/L	10	U
bis(2-Ethylhexyl)phthalate	< 10	ug/L	10	U
Di-n-octylphthalate	< 10	ug/L	10	U
Benzo[b]fluoranthene	< 10	ug/L	10	U
Benzo[k]fluoranthene	< 10	ug/L	10	U
Benzo[a]pyrene	< 10	ug/L	10	U
Indeno[1,2,3-cd]pyrene	< 10	ug/L	10	U
Dibenz[a,h]anthracene	< 10	ug/L	10	U
Benzo[g,h,i]perylene	< 10	ug/L	10	U

Test Requested: **Dissolved RCRA Metals**
Preparation Method: EPA 3010 Date Prepared: 03/03/10
Analysis Method: EPA 6010 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Arsenic	< 50	ug/L	50	U
Barium	**160**	ug/L	50	
Cadmium	< 50	ug/L	50	U
Chromium	< 50	ug/L	50	U
Lead	< 50	ug/L	50	U
Selenium	< 50	ug/L	50	U
Silver	< 50	ug/L	50	U

Test Requested: **Dissolved Mercury**
Preparation Method: EPA 7470 Date Prepared: 03/04/10
Analysis Method: EPA 7470 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Mercury	< 1.0	ug/L	1.0	U

Analyte Qualifier Codes

U = Analyte was not detected
J = Analyte detected below reporting limit (estimated value)
D = Analyte reported from a sample dilution
B = Analyte was detected in the corresponding method blank

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

7. Client Sample No: **GP-3a** HPE Sample No.: 103202-07
Sample Matrix: Water Date Collected: 03/01/10
Sample Location:

Test Requested: **Volatile Organic Compounds**
Preparation Method: EPA 5030 Date Prepared: 03/03/10
Analysis Method: EPA 8260 Date Analyzed: 03/03/10

Analyte	Result	Units	Reporting Limit	Qualifier
Dichlorodifluoromethane	< 5.0	ug/L	5.0	U
Chloromethane	< 5.0	ug/L	5.0	U
Vinyl chloride	< 5.0	ug/L	5.0	U
Bromomethane	< 5.0	ug/L	5.0	U
Chloroethane	< 5.0	ug/L	5.0	U
Trichlorofluoromethane	< 5.0	ug/L	5.0	U
1,1-Dichloroethene	< 5.0	ug/L	5.0	U
Acetone	< 5.0	ug/L	5.0	U
Methylene chloride	< 5.0	ug/L	5.0	U
Methyl-tert-butyl ether (MTBE)	< 5.0	ug/L	5.0	U
tert-Butanol (TBA)	**940**	ug/L	5.0	D
Diisopropyl ether (DIPE)	< 5.0	ug/L	5.0	U
Ethyl-tert-butyl ether (ETBE)	< 5.0	ug/L	5.0	U
tert-Amyl methyl ether (TAME)	< 5.0	ug/L	5.0	U
tert-Amyl alcohol (TAA)	< 10	ug/L	10	U
tert-Amyl ethyl ether (TAEE)	< 5.0	ug/L	5.0	U
trans-1,2-Dichloroethene	< 5.0	ug/L	5.0	U
1,1-Dichloroethane	< 5.0	ug/L	5.0	U
2-Butanone	< 5.0	ug/L	5.0	U
2,2-Dichloropropane	< 5.0	ug/L	5.0	U
cis-1,2-Dichloroethene	< 5.0	ug/L	5.0	U
Bromochloromethane	< 5.0	ug/L	5.0	U
Chloroform	< 5.0	ug/L	5.0	U
1,1,1-Trichloroethane	< 5.0	ug/L	5.0	U
Carbon tetrachloride	< 5.0	ug/L	5.0	U
1,1-Dichloropropene	< 5.0	ug/L	5.0	U
Benzene	**10**	ug/L	5.0	
1,2-Dichloroethane	< 5.0	ug/L	5.0	U
Trichloroethene	< 5.0	ug/L	5.0	U
1,2-Dichloropropane	< 5.0	ug/L	5.0	U
Dibromomethane	< 5.0	ug/L	5.0	U
Bromodichloromethane	< 5.0	ug/L	5.0	U
cis-1,3-Dichloropropene	< 5.0	ug/L	5.0	U
4-Methyl-2-pentanone	< 5.0	ug/L	5.0	U
Toluene	< 5.0	ug/L	5.0	U
trans-1,3-Dichloropropene	< 5.0	ug/L	5.0	U
1,1,2-Trichloroethane	< 5.0	ug/L	5.0	U
2-Hexanone	< 5.0	ug/L	5.0	U
Tetrachloroethene	< 5.0	ug/L	5.0	U
1,3-Dichloropropane	< 5.0	ug/L	5.0	U
Dibromochloromethane	< 5.0	ug/L	5.0	U
1,2-Dibromoethane	< 5.0	ug/L	5.0	U
Chlorobenzene	< 5.0	ug/L	5.0	U

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **GP-3a** **EPA 8260**

Analyte	Result	Units	Reporting Limit	Qualifier
1,1,1,2-Tetrachloroethane	< 5.0	ug/L	5.0	U
Ethylbenzene	< 5.0	ug/L	5.0	U
m,p-Xylene	< 5.0	ug/L	5.0	U
o-Xylene	< 5.0	ug/L	5.0	U
Styrene	< 5.0	ug/L	5.0	U
Bromoform	< 5.0	ug/L	5.0	U
Isopropylbenzene	< 5.0	ug/L	5.0	U
Bromobenzene	< 5.0	ug/L	5.0	U
1,1,2,2-Tetrachloroethane	< 5.0	ug/L	5.0	U
1,2,3-Trichloropropane	< 5.0	ug/L	5.0	U
n-Propylbenzene	< 5.0	ug/L	5.0	U
2-Chlorotoluene	< 5.0	ug/L	5.0	U
4-Chlorotoluene	< 5.0	ug/L	5.0	U
1,3,5-Trimethylbenzene	< 5.0	ug/L	5.0	U
tert-Butylbenzene	< 5.0	ug/L	5.0	U
1,2,4-Trimethylbenzene	< 5.0	ug/L	5.0	U
sec-Butylbenzene	< 5.0	ug/L	5.0	U
1,3-Dichlorobenzene	< 5.0	ug/L	5.0	U
4-Isopropyltoluene	< 5.0	ug/L	5.0	U
1,4-Dichlorobenzene	< 5.0	ug/L	5.0	U
1,2-Dichlorobenzene	< 5.0	ug/L	5.0	U
n-Butylbenzene	< 5.0	ug/L	5.0	U
1,2-Dibromo-3-chloropropane	< 5.0	ug/L	5.0	U
1,2,4-Trichlorobenzene	< 5.0	ug/L	5.0	U
Hexachlorobutadiene	< 5.0	ug/L	5.0	U
Naphthalene	< 5.0	ug/L	5.0	U
1,2,3-Trichlorobenzene	< 5.0	ug/L	5.0	U

Test Requested: **TPH - Gasoline Range Organics**
Preparation Method: EPA 5030 Date Prepared: 03/03/10
Analysis Method: EPA 8015 Date Analyzed: 03/03/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - GRO	< 0.5	mg/L	0.5	U

Test Requested: **TPH - Diesel Range Organics**
Preparation Method: EPA 3510 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - DRO	< 0.5	mg/L	0.5	U

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC
Attn: Matthew Ker
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

Date Received: 03/02/10
Date Reported: 03/04/10
Project Location: **49 L. Street**

Report Number: **103202**

Sample Results Continued --------- Client Sample No.: **GP-3a**

Test Requested: **Semivolatile Organic Compounds**
Preparation Method: EPA 3510 Date Prepared: 03/02/10
Analysis Method: EPA 8270 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
bis(2-Chloroethyl)ether	< 10	ug/L	10	U
Phenol	< 10	ug/L	10	U
N-nitrosodimethylamine	< 10	ug/L	10	U
2-Chlorophenol	< 10	ug/L	10	U
1,3-Dichlorobenzene	< 10	ug/L	10	U
1,4-Dichlorobenzene	< 10	ug/L	10	U
1,2-Dichlorobenzene	< 10	ug/L	10	U
bis(2-chloroisopropyl)ether	< 10	ug/L	10	U
Hexachloroethane	< 10	ug/L	10	U
N-Nitroso-di-n-propylamine	< 10	ug/L	10	U
4-Methylphenol	< 10	ug/L	10	U
Nitrobenzene	< 10	ug/L	10	U
Isophorone	< 10	ug/L	10	U
2-Nitrophenol	< 10	ug/L	10	U
2,4-Dimethylphenol	< 10	ug/L	10	U
bis(2-Chloroethoxy)methane	< 10	ug/L	10	U
2,4-Dichlorophenol	< 10	ug/L	10	U
1,2,4-Trichlorobenzene	< 10	ug/L	10	U
Naphthalene	< 10	ug/L	10	U
Hexachlorobutadiene	< 10	ug/L	10	U
4-Chloro-3-methylphenol	< 10	ug/L	10	U
Hexachlorocyclopentadiene	< 10	ug/L	10	U
2,4,6-Trichlorophenol	< 10	ug/L	10	U
2-Chloronaphthalene	< 10	ug/L	10	U
Acenaphthylene	< 10	ug/L	10	U
Dimethylphthalate	< 10	ug/L	10	U
2,6-Dinitrotoluene	< 10	ug/L	10	U
Acenaphthene	< 10	ug/L	10	U
2,4-Dinitrophenol	< 10	ug/L	10	U
2,4-Dinitrotoluene	< 10	ug/L	10	U
4-Nitrophenol	< 10	ug/L	10	U
Fluorene	< 10	ug/L	10	U
4-Chlorophenyl-phenylether	< 10	ug/L	10	U
Diethylphthalate	< 10	ug/L	10	U
4,6-Dinitro-2-methylphenol	< 10	ug/L	10	U
N-Nitrosodiphenylamine	< 10	ug/L	10	U
1,2-Diphenylhydrazine	< 10	ug/L	10	U
4-Bromophenyl-phenylether	< 10	ug/L	10	U
Hexachlorobenzene	< 10	ug/L	10	U
Pentachlorophenol	< 10	ug/L	10	U
Phenanthrene	< 10	ug/L	10	U
Anthracene	< 10	ug/L	10	U
Carbazole	< 10	ug/L	10	U

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **GP-3a** **EPA 8270**

Di-n-butylphthalate	< 10	ug/L	10	U
2,3,4,6-Tetrachlorophenol	< 10	ug/L	10	U
Fluoranthene	< 10	ug/L	10	U
Benzidine	< 10	ug/L	10	U
Pyrene	< 10	ug/L	10	U
Butylbenzylphthalate	< 10	ug/L	10	U
3,3'-Dichlorobenzidine	< 10	ug/L	10	U
Benzo[a]anthracene	< 10	ug/L	10	U
Chrysene	< 10	ug/L	10	U
bis(2-Ethylhexyl)phthalate	< 10	ug/L	10	U
Di-n-octylphthalate	< 10	ug/L	10	U
Benzo[b]fluoranthene	< 10	ug/L	10	U
Benzo[k]fluoranthene	< 10	ug/L	10	U
Benzo[a]pyrene	< 10	ug/L	10	U
Indeno[1,2,3-cd]pyrene	< 10	ug/L	10	U
Dibenz[a,h]anthracene	< 10	ug/L	10	U
Benzo[g,h,i]perylene	< 10	ug/L	10	U

Test Requested: **Dissolved RCRA Metals**
Preparation Method: EPA 3010 Date Prepared: 03/03/10
Analysis Method: EPA 6010 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Arsenic	< 50	ug/L	50	U
Barium	**170**	ug/L	50	
Cadmium	< 50	ug/L	50	U
Chromium	< 50	ug/L	50	U
Lead	< 50	ug/L	50	U
Selenium	< 50	ug/L	50	U
Silver	< 50	ug/L	50	U

Test Requested: **Dissolved Mercury**
Preparation Method: EPA 7470 Date Prepared: 03/04/10
Analysis Method: EPA 7470 Date Analyzed: 03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Mercury	< 1.0	ug/L	1.0	U

Analyte Qualifier Codes
U = Analyte was not detected
J = Analyte detected below reporting limit (estimated value)
D = Analyte reported from a sample dilution
B = Analyte was detected in the corresponding method blank

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

8. Client Sample No: **Field Blank** HPE Sample No.: 103202-08
Sample Matrix: Water Date Collected: 03/01/10
Sample Location:

Test Requested: **Volatile Organic Compounds**
Preparation Method: EPA 5030 Date Prepared: 03/03/10
Analysis Method: EPA 8260 Date Analyzed: 03/03/10

Analyte	Result	Units	Reporting Limit	Qualifier
Dichlorodifluoromethane	< 5.0	ug/L	5.0	U
Chloromethane	< 5.0	ug/L	5.0	U
Vinyl chloride	< 5.0	ug/L	5.0	U
Bromomethane	< 5.0	ug/L	5.0	U
Chloroethane	< 5.0	ug/L	5.0	U
Trichlorofluoromethane	< 5.0	ug/L	5.0	U
1,1-Dichloroethene	< 5.0	ug/L	5.0	U
Acetone	< 5.0	ug/L	5.0	U
Methylene chloride	< 5.0	ug/L	5.0	U
Methyl-tert-butyl ether (MTBE)	< 5.0	ug/L	5.0	U
tert-Butanol (TBA)	< 5.0	ug/L	5.0	U
Diisopropyl ether (DIPE)	< 5.0	ug/L	5.0	U
Ethyl-tert-butyl ether (ETBE)	< 5.0	ug/L	5.0	U
tert-Amyl methyl ether (TAME)	< 5.0	ug/L	5.0	U
tert-Amyl alcohol (TAA)	< 10	ug/L	10	U
tert-Amyl ethyl ether (TAEE)	< 5.0	ug/L	5.0	U
trans-1,2-Dichloroethene	< 5.0	ug/L	5.0	U
1,1-Dichloroethane	< 5.0	ug/L	5.0	U
2-Butanone	< 5.0	ug/L	5.0	U
2,2-Dichloropropane	< 5.0	ug/L	5.0	U
cis-1,2-Dichloroethene	< 5.0	ug/L	5.0	U
Bromochloromethane	< 5.0	ug/L	5.0	U
Chloroform	< 5.0	ug/L	5.0	U
1,1,1-Trichloroethane	< 5.0	ug/L	5.0	U
Carbon tetrachloride	< 5.0	ug/L	5.0	U
1,1-Dichloropropene	< 5.0	ug/L	5.0	U
Benzene	< 5.0	ug/L	5.0	U
1,2-Dichloroethane	< 5.0	ug/L	5.0	U
Trichloroethene	< 5.0	ug/L	5.0	U
1,2-Dichloropropane	< 5.0	ug/L	5.0	U
Dibromomethane	< 5.0	ug/L	5.0	U
Bromodichloromethane	< 5.0	ug/L	5.0	U
cis-1,3-Dichloropropene	< 5.0	ug/L	5.0	U
4-Methyl-2-pentanone	< 5.0	ug/L	5.0	U
Toluene	< 5.0	ug/L	5.0	U
trans-1,3-Dichloropropene	< 5.0	ug/L	5.0	U
1,1,2-Trichloroethane	< 5.0	ug/L	5.0	U
2-Hexanone	< 5.0	ug/L	5.0	U
Tetrachloroethene	< 5.0	ug/L	5.0	U
1,3-Dichloropropane	< 5.0	ug/L	5.0	U
Dibromochloromethane	< 5.0	ug/L	5.0	U
1,2-Dibromoethane	< 5.0	ug/L	5.0	U
Chlorobenzene	< 5.0	ug/L	5.0	U

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Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **Field Blank** **EPA 8260**

Analyte	Result	Units	Reporting Limit	Qualifier
1,1,1,2-Tetrachloroethane	< 5.0	ug/L	5.0	U
Ethylbenzene	< 5.0	ug/L	5.0	U
m,p-Xylene	< 5.0	ug/L	5.0	U
o-Xylene	< 5.0	ug/L	5.0	U
Styrene	< 5.0	ug/L	5.0	U
Bromoform	< 5.0	ug/L	5.0	U
Isopropylbenzene	< 5.0	ug/L	5.0	U
Bromobenzene	< 5.0	ug/L	5.0	U
1,1,2,2-Tetrachloroethane	< 5.0	ug/L	5.0	U
1,2,3-Trichloropropane	< 5.0	ug/L	5.0	U
n-Propylbenzene	< 5.0	ug/L	5.0	U
2-Chlorotoluene	< 5.0	ug/L	5.0	U
4-Chlorotoluene	< 5.0	ug/L	5.0	U
1,3,5-Trimethylbenzene	< 5.0	ug/L	5.0	U
tert-Butylbenzene	< 5.0	ug/L	5.0	U
1,2,4-Trimethylbenzene	< 5.0	ug/L	5.0	U
sec-Butylbenzene	< 5.0	ug/L	5.0	U
1,3-Dichlorobenzene	< 5.0	ug/L	5.0	U
4-Isopropyltoluene	< 5.0	ug/L	5.0	U
1,4-Dichlorobenzene	< 5.0	ug/L	5.0	U
1,2-Dichlorobenzene	< 5.0	ug/L	5.0	U
n-Butylbenzene	< 5.0	ug/L	5.0	U
1,2-Dibromo-3-chloropropane	< 5.0	ug/L	5.0	U
1,2,4-Trichlorobenzene	< 5.0	ug/L	5.0	U
Hexachlorobutadiene	< 5.0	ug/L	5.0	U
Naphthalene	< 5.0	ug/L	5.0	U
1,2,3-Trichlorobenzene	< 5.0	ug/L	5.0	U

Test Requested: **TPH - Gasoline Range Organics**
Preparation Method: EPA 5030 Date Prepared: 03/03/10
Analysis Method: EPA 8015 Date Analyzed: 03/03/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - GRO	< 0.5	mg/L	0.5	U

Test Requested: **TPH - Diesel Range Organics**
Preparation Method: EPA 3510 Date Prepared: 03/02/10
Analysis Method: EPA 8015 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
TPH - DRO	< 0.5	mg/L	0.5	U

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC
Attn: Matthew Ker
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

Date Received: 03/02/10
Date Reported: 03/04/10
Project Location: **49 L. Street**

Report Number: **103202**

Sample Results Continued --------- Client Sample No.: **Field Blank**

Test Requested: **Semivolatile Organic Compounds**
Preparation Method: EPA 3510 Date Prepared: 03/02/10
Analysis Method: EPA 8270 Date Analyzed: 03/02/10

Analyte	Result	Units	Reporting Limit	Qualifier
bis(2-Chloroethyl)ether	< 10	ug/L	10	U
Phenol	< 10	ug/L	10	U
N-nitrosodimethylamine	< 10	ug/L	10	U
2-Chlorophenol	< 10	ug/L	10	U
1,3-Dichlorobenzene	< 10	ug/L	10	U
1,4-Dichlorobenzene	< 10	ug/L	10	U
1,2-Dichlorobenzene	< 10	ug/L	10	U
bis(2-chloroisopropyl)ether	< 10	ug/L	10	U
Hexachloroethane	< 10	ug/L	10	U
N-Nitroso-di-n-propylamine	< 10	ug/L	10	U
4-Methylphenol	< 10	ug/L	10	U
Nitrobenzene	< 10	ug/L	10	U
Isophorone	< 10	ug/L	10	U
2-Nitrophenol	< 10	ug/L	10	U
2,4-Dimethylphenol	< 10	ug/L	10	U
bis(2-Chloroethoxy)methane	< 10	ug/L	10	U
2,4-Dichlorophenol	< 10	ug/L	10	U
1,2,4-Trichlorobenzene	< 10	ug/L	10	U
Naphthalene	< 10	ug/L	10	U
Hexachlorobutadiene	< 10	ug/L	10	U
4-Chloro-3-methylphenol	< 10	ug/L	10	U
Hexachlorocyclopentadiene	< 10	ug/L	10	U
2,4,6-Trichlorophenol	< 10	ug/L	10	U
2-Chloronaphthalene	< 10	ug/L	10	U
Acenaphthylene	< 10	ug/L	10	U
Dimethylphthalate	< 10	ug/L	10	U
2,6-Dinitrotoluene	< 10	ug/L	10	U
Acenaphthene	< 10	ug/L	10	U
2,4-Dinitrophenol	< 10	ug/L	10	U
2,4-Dinitrotoluene	< 10	ug/L	10	U
4-Nitrophenol	< 10	ug/L	10	U
Fluorene	< 10	ug/L	10	U
4-Chlorophenyl-phenylether	< 10	ug/L	10	U
Diethylphthalate	< 10	ug/L	10	U
4,6-Dinitro-2-methylphenol	< 10	ug/L	10	U
N-Nitrosodiphenylamine	< 10	ug/L	10	U
1,2-Diphenylhydrazine	< 10	ug/L	10	U
4-Bromophenyl-phenylether	< 10	ug/L	10	U
Hexachlorobenzene	< 10	ug/L	10	U
Pentachlorophenol	< 10	ug/L	10	U
Phenanthrene	< 10	ug/L	10	U
Anthracene	< 10	ug/L	10	U
Carbazole	< 10	ug/L	10	U

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued ---------	Client Sample No.:	**Field Blank**		**EPA 8270**
Di-n-butylphthalate	< 10	ug/L	10	U
2,3,4,6-Tetrachlorophenol	< 10	ug/L	10	U
Fluoranthene	< 10	ug/L	10	U
Benzidine	< 10	ug/L	10	U
Pyrene	< 10	ug/L	10	U
Butylbenzylphthalate	< 10	ug/L	10	U
3,3'-Dichlorobenzidine	< 10	ug/L	10	U
Benzo[a]anthracene	< 10	ug/L	10	U
Chrysene	< 10	ug/L	10	U
bis(2-Ethylhexyl)phthalate	< 10	ug/L	10	U
Di-n-octylphthalate	< 10	ug/L	10	U
Benzo[b]fluoranthene	< 10	ug/L	10	U
Benzo[k]fluoranthene	< 10	ug/L	10	U
Benzo[a]pyrene	< 10	ug/L	10	U
Indeno[1,2,3-cd]pyrene	< 10	ug/L	10	U
Dibenz[a,h]anthracene	< 10	ug/L	10	U
Benzo[g,h,i]perylene	< 10	ug/L	10	U

Test Requested:	**Dissolved RCRA Metals**		
Preparation Method:	EPA 3010	Date Prepared:	03/03/10
Analysis Method:	EPA 6010	Date Analyzed:	03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Arsenic	< 50	ug/L	50	U
Barium	< 50	ug/L	50	U
Cadmium	< 50	ug/L	50	U
Chromium	< 50	ug/L	50	U
Lead	< 50	ug/L	50	U
Selenium	< 50	ug/L	50	U
Silver	< 50	ug/L	50	U

Test Requested:	**Dissolved Mercury**		
Preparation Method:	EPA 7470	Date Prepared:	03/04/10
Analysis Method:	EPA 7470	Date Analyzed:	03/04/10

Analyte	Result	Units	Reporting Limit	Qualifier
Mercury	< 1.0	ug/L	1.0	U

Analyte Qualifier Codes

U = Analyte was not detected

J = Analyte detected below reporting limit (estimated value)

D = Analyte reported from a sample dilution

B = Analyte was detected in the corresponding method blank

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Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

9. Client Sample No: **Trip Blank** HPE Sample No.: 103202-09
Sample Matrix: Water Date Collected: 03/01/10
Sample Location:

Test Requested: **Volatile Organic Compounds**
Preparation Method: EPA 5030 Date Prepared: 03/03/10
Analysis Method: EPA 8260 Date Analyzed: 03/03/10

Analyte	Result	Units	Reporting Limit	Qualifier
Dichlorodifluoromethane	< 5.0	ug/L	5.0	U
Chloromethane	< 5.0	ug/L	5.0	U
Vinyl chloride	< 5.0	ug/L	5.0	U
Bromomethane	< 5.0	ug/L	5.0	U
Chloroethane	< 5.0	ug/L	5.0	U
Trichlorofluoromethane	< 5.0	ug/L	5.0	U
1,1-Dichloroethene	< 5.0	ug/L	5.0	U
Acetone	< 5.0	ug/L	5.0	U
Methylene chloride	< 5.0	ug/L	5.0	U
Methyl-tert-butyl ether (MTBE)	< 5.0	ug/L	5.0	U
tert-Butanol (TBA)	< 5.0	ug/L	5.0	U
Diisopropyl ether (DIPE)	< 5.0	ug/L	5.0	U
Ethyl-tert-butyl ether (ETBE)	< 5.0	ug/L	5.0	U
tert-Amyl methyl ether (TAME)	< 5.0	ug/L	5.0	U
tert-Amyl alcohol (TAA)	< 10	ug/L	10	U
tert-Amyl ethyl ether (TAEE)	< 5.0	ug/L	5.0	U
trans-1,2-Dichloroethene	< 5.0	ug/L	5.0	U
1,1-Dichloroethane	< 5.0	ug/L	5.0	U
2-Butanone	< 5.0	ug/L	5.0	U
2,2-Dichloropropane	< 5.0	ug/L	5.0	U
cis-1,2-Dichloroethene	< 5.0	ug/L	5.0	U
Bromochloromethane	< 5.0	ug/L	5.0	U
Chloroform	< 5.0	ug/L	5.0	U
1,1,1-Trichloroethane	< 5.0	ug/L	5.0	U
Carbon tetrachloride	< 5.0	ug/L	5.0	U
1,1-Dichloropropene	< 5.0	ug/L	5.0	U
Benzene	< 5.0	ug/L	5.0	U
1,2-Dichloroethane	< 5.0	ug/L	5.0	U
Trichloroethene	< 5.0	ug/L	5.0	U
1,2-Dichloropropane	< 5.0	ug/L	5.0	U
Dibromomethane	< 5.0	ug/L	5.0	U
Bromodichloromethane	< 5.0	ug/L	5.0	U
cis-1,3-Dichloropropene	< 5.0	ug/L	5.0	U
4-Methyl-2-pentanone	< 5.0	ug/L	5.0	U
Toluene	< 5.0	ug/L	5.0	U
trans-1,3-Dichloropropene	< 5.0	ug/L	5.0	U
1,1,2-Trichloroethane	< 5.0	ug/L	5.0	U
2-Hexanone	< 5.0	ug/L	5.0	U
Tetrachloroethene	< 5.0	ug/L	5.0	U
1,3-Dichloropropane	< 5.0	ug/L	5.0	U
Dibromochloromethane	< 5.0	ug/L	5.0	U
1,2-Dibromoethane	< 5.0	ug/L	5.0	U
Chlorobenzene	< 5.0	ug/L	5.0	U

HP ENVIRONMENTAL
INCORPORATED

Certificate of Laboratory Analysis

Schnabel Engineering North. LLC	Date Received:	03/02/10	Report Number:	**103202**
Attn: Matthew Ker	Date Reported:	03/04/10		
656 Quince Orchard Road	Project Location:	**49 L. Street**		
Suite 700				
Gaithersburg, MD 20878				

Sample Results Continued --------- Client Sample No.: **Trip Blank** **EPA 8260**

Analyte	Result	Units	Reporting Limit	Qualifier
1,1,1,2-Tetrachloroethane	< 5.0	ug/L	5.0	U
Ethylbenzene	< 5.0	ug/L	5.0	U
m,p-Xylene	< 5.0	ug/L	5.0	U
o-Xylene	< 5.0	ug/L	5.0	U
Styrene	< 5.0	ug/L	5.0	U
Bromoform	< 5.0	ug/L	5.0	U
Isopropylbenzene	< 5.0	ug/L	5.0	U
Bromobenzene	< 5.0	ug/L	5.0	U
1,1,2,2-Tetrachloroethane	< 5.0	ug/L	5.0	U
1,2,3-Trichloropropane	< 5.0	ug/L	5.0	U
n-Propylbenzene	< 5.0	ug/L	5.0	U
2-Chlorotoluene	< 5.0	ug/L	5.0	U
4-Chlorotoluene	< 5.0	ug/L	5.0	U
1,3,5-Trimethylbenzene	< 5.0	ug/L	5.0	U
tert-Butylbenzene	< 5.0	ug/L	5.0	U
1,2,4-Trimethylbenzene	< 5.0	ug/L	5.0	U
sec-Butylbenzene	< 5.0	ug/L	5.0	U
1,3-Dichlorobenzene	< 5.0	ug/L	5.0	U
4-Isopropyltoluene	< 5.0	ug/L	5.0	U
1,4-Dichlorobenzene	< 5.0	ug/L	5.0	U
1,2-Dichlorobenzene	< 5.0	ug/L	5.0	U
n-Butylbenzene	< 5.0	ug/L	5.0	U
1,2-Dibromo-3-chloropropane	< 5.0	ug/L	5.0	U
1,2,4-Trichlorobenzene	< 5.0	ug/L	5.0	U
Hexachlorobutadiene	< 5.0	ug/L	5.0	U
Naphthalene	< 5.0	ug/L	5.0	U
1,2,3-Trichlorobenzene	< 5.0	ug/L	5.0	U

JP	03/04/10
Approved by	Date

Analyte Qualifier Codes

U = Analyte was not detected

HP ENVIRONMENTAL, INC.
104 Elden St, Herndon, VA 20170 (703) 471-4200 Fax (703) 471-0020

Environmental Sample Chain-of-Custody Record

COC Reference Number: 4000

Client: Schnabel Engineering, LLC
Address:
656 Quince Orchard Road
Gaithersburg, MD 20878
Contact:
Matthew Ker
Phone: (301) 417-2400
Fax: (301) 417-2730

TURN-AROUND TIME: Routine
P.O./Job Number:
P9120335
SITE:
49 L Street
Sampled by:
Ker/Rodriguez

Tests Requested

	Sample ID	Sample Date	Sample Time	Comp/ Grab	Matrix	Preserv. pH	# Bottles	TPH-DRO/GRO	BTEX and MTBE	Naphthalene	VOCs	SVOCs	RCRA Metals	Dissolved RCRA Metals	Description/Comments
1.	GP-1	03/01/10	10:18	Grab	soil	various	5	x	x	x			x		
2.	GP-2	03/01/10	12:05	Grab	soil	various	5	x	x	x			x		
3.	GP-3	03/01/10	9:24	Grab	soil	various	5	x	x	x			x		
4.	GP-4	03/01/10	1:05	Grab	soil	various	5	x	x	x			x		
5.	GP-1	03/01/10	12:40	Grab	GW	various	6	x			x	x		x	
6.	GP-3	03/01/10	2:15	Grab	GW	various	6	x			x	x		x	
7.	GP-3a	03/01/10	2:15	Grab	GW	various	6	x			x	x		x	
8.	Field Blank	03/01/10	1:00	Grab	Water	various	6	x			x	x		x	
9.	Trip Blank	03/01/10	8:00	---	Water	hcl	2				x				
10.															
11.															
12.															
13.															
14.															
15.															

Received Condition:

Mode of Shipment:

HPE Report Number: 103202

[redacted] Date/Time 3/2/10 9:45

Relinquished By: Date/Time

Received By: Date/Time

Received By Laboratory: JP Date/Time 3/2/10 1100

Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Accessibility

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Drinking Fountain: Not ADA Compliant		
Requirement ID	REQ-2613	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Accessibility	Finish Date	
Prime System	D2010 - Plumbing Fixtures	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	4,253

Requirement Description

The existing drinking fountain located in the front corner of the warehouse does not meet ADA requirements per section 4.1.3(10). The drinking fountain is a wall mounted cooler that sits atop an 8" high concrete curb and cannot be accessed by handicapped personnel. Per the afore mentioned section, drinking fountains are to be made accessible to people in wheelchairs and with limited bending mobility.

No photo available.

Actions

Action Name	Replace Fountain
Option	Conventional
Prime Action	Yes
Description	It is recommended that the existing drinking fountain be replaced with an ADA compliant dual level drinking fountain. As the existing drinking fountain is in good condition, its re-use elsewhere is expected. Provide necessary electrical and pluming accessories required.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	0.10	Ton	86.94	9
220505101601	Fixture, water fountain, free standing, selective demolition	1.00	Ea.	52.53	53
224713102820	Drinking fountain, wall mounted, non-recessed, stainless steel, dual level for handicapped type, single bubbler, for connection to cold water supply	1.00	Ea.	1,849.22	1,849
224713103980	Drinking fountain, wall mounted, non-recessed, for connection to cold water supply, for rough-in, supply and waste, add	1.00	Ea.	689.96	690
260519900030	Wire, copper solid, 600 volt, #12, type THW, in raceway	3.00	C.L.F.	73.70	221
260533140200	Electric metallic tubing, 1/2"diameter, to 15' high, includes 11 couplings per 100'	100.00	L.F.	1.92	192
260533160150	Outlet boxes, pressed steel, 4" square	2.00	Ea.	35.14	70

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
260533160250	Outlet boxes, pressed steel, covers, blank, 4" square	1.00	Ea.	11.81	12
260533160460	Outlet boxes, pressed steel, covers, raised device, 4-11/16" square	1.00	Ea.	21.12	21
262726202470	Duplex receptacle, grounded, 120 volt, 20 amp	1.00	Ea.	33.71	34
				Subtotal:	**3,150**
				Adjustment Factor:	**1.3500**
				Grand Total:	**4,253**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Accessibility

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Interior Doors: Hardware Not ADA/UFAS Compliant		
Requirement ID	REQ-3324	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Accessibility	Finish Date	
Prime System	C1020 - Interior Doors	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	3,091

Requirement Description

The warehouse door hardware is primarily knob type and does not conform with the Uniform Federal Accessibility Standard 4.1.2 (7) or ADA section 4.13.9.

No photo available.

Actions

Action Name	Hardware
Option	Conventional
Prime Action	Yes
Description	Provide compliant lever hardware along accessible building routes such as corridor doors; public spaces such as offices, restrooms, conference rooms and storage areas.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
087120400500	Door hardware, lockset, standard duty, cylindrical, with sectional trim, lever handled, keyed, single cylinder function	12.00	Ea.	190.80	2,290
				Subtotal:	**2,290**
				Adjustment Factor:	**1.3500**
				Grand Total:	**3,091**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Accessibility

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Ramp: Missing at Conference Room Entrance		
Requirement ID	REQ-1551	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Accessibility	Finish Date	
Prime System	C3020 - Floor Finishes	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	17,210

Requirement Description

The existing conference room adjacent to the office areas does not comply with the ADA/UFAS code for accessibility. The change in floor elevation is approximately six inches and is non-accessible by a wheelchair. Per ADA/UFAS code 4.5.2 'Changes in Level' greater than ½" shall be accomplished by means of a ramp that complies with 4.7 & 4.8.

No photo available.

Actions

Action Name Add ramp

Option Conventional

Prime Action Yes

Description Provide a ramp for accessibility to the conference room and adjoining office area. Ramp must comply with ADA/UFAS code section 4.8.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
033053404525	Structural concrete, in place, handicap access ramp (4000 psi), railing both sides, 5' wide, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing	12.00	L.F.	683.54	8,202
CARPJ	Carpenters (JourneyMan)	32.00	hour	64.81	2,074
PORDJ	Painters, Ordinary (JourneyMan)	8.00	hour	54.50	436
	Allowance for construction of ramp	1.00	Job	1,357.00	1,357
	Ramp edge protection	1.00	Ls.	678.51	679
				Subtotal:	**12,748**
				Adjustment Factor:	**1.3500**
				Grand Total:	**17,210**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Accessibility

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Restroom: Unisex Restroom is Not ADA/UFAS Compliant		
Requirement ID	REQ-3503	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Accessibility	Finish Date	
Prime System	D2010 - Plumbing Fixtures	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	70,645

Requirement Description

The uni-sex restroom adjacent to the staff office and conference area was originally designed for personnel that were handicapped or with limited mobility. Though the restroom does consist of a handicap accessible sink and toilet stall, codes for handicapped accessible restrooms have changed over the years and become more stringent. Door hardware is not ADA compliant and broken. The automatic door opener is antiquated and operates poorly. Access to the activation pad is block by the conference room door and must be relocated to a more accessible location. Existing passage width, fixture heights and wheelchair movement and access are below UFAS and ADA code requirements. It is recommended that a full renovation for this restroom be addressed.

No photo available.

Actions

Action Name	Renovation
Option	Conventional
Prime Action	Yes
Description	Renovate unisex restroom to comply with ADA sections 4.16 through 4.21.8 and 4.23.8. Replace all existing fixtures with water conserving ADA/UFAS compliant fixtures. Expansion of this restroom area should be considered in order to provide adequate and compliant passage past sink and the possible addition of an ADA compliant shower as non accessible showers are located on the second floor. Provide a new ventilation system. work to include connection to existing building sanitary, domestic water and electrical services.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119190800	Selective demolition, rubbish handling, dumpster, 30 C.Y., 7 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	2.00	Week	857.60	1,715
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	30.00	Ton	86.94	2,608
080505100500	Door demolition, interior door, single, 3' x 7' high, 1-3/8" thick, remove	1.00	Ea.	19.82	20
080505102000	Door demolition, door frames, metal, remove and reset	1.00	Ea.	61.98	62
081213250200	Door frames, steel channels with anchors and bar stops, 8" channel@ 11.5 lb/LF, 6' x 8' door, weighs 275 lb	1.00	Ea.	775.55	776

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
081416200180	Doors, wood, fire, particle core, 7 face plies, "B" label, 1 hour, oak face, 1-3/4" x 3'-0" x 6'-8"	1.00	Ea.	574.04	574
087113101750	Door hardware, automatic openers, commercial, for handicap actuator buttons (2), incl. 12 V DC wiring, add	1.00	Pr.	849.10	849
087120152550	Door hardware, school, single, classroom, ANSI F84, incl. lever handle	1.00	Door	1,097.56	1,098
087120307400	Door hardware, door closer-holder, electronic, hinge face mount, concealed arm, incl. built-in detector	1.00	Ea.	766.66	767
087120400500	Door hardware, lockset, standard duty, cylindrical, with sectional trim, lever handled, keyed, single cylinder function	1.00	Ea.	190.80	191
087120550100	Door hardware, push plate, aluminum, .050" thick x 4" x 16"	1.00	Ea.	53.56	54
087120903440	Door hardware, hinges, half surface, half mortise, or full surface, average frequency, brass base, US26D, 4-1/2" x 4-1/2"	2.00	Pr.	189.77	380
087120950020	Door hardware, kick plate, stainless steel, .05", 16 ga, 8" x 28"	2.00	Ea.	74.98	150
090505101120	Ceiling demolition, gypsum plaster, on metal lath, remove	70.00	S.F.	1.48	104
090505202020	Flooring demolition, tile, ceramic, mud set	70.00	S.F.	1.18	83
090505300280	Walls and partitions demolition, concrete block, 8" thick, remove damaged blocks	150.00	S.F.	1.98	297
090505303820	Walls and partitions demolition, toilet partitions, metal or plastic	4.00	Ea.	46.20	185
092116337600	Partition wall, interior, fire & water resistant, 2 layers, 2 hour, taped both sides, installed on & incl.25 ga, NLB metal studs, 3-5/8" wide, 16" O.C., 8' to 12' high, 5/8" gypsum drywall	350.00	S.F.	5.65	1,978
093013100100	Ceramic tile, base, thin set, using 1' x 4" high piece with 1" x 1" tiles	50.00	L.F.	10.88	544
093013100400	Ceramic tile, for 2" x 2" tile face, add	350.00	L.F.	0.41	144
093013103310	Ceramic tile, floors, glazed, porcelain type, thin set, 1 color, color group 2, 2" x 2" or 2" x 1"	150.00	S.F.	10.06	1,509
093013103360	Ceramic tile, 1" x 1", floors, porcelain type, for random blend, 4 colors, add	150.00	S.F.	1.50	225
093013105400	Ceramic tile, walls, interior, thin set, 4-1/4" x 4-1/4"	500.00	S.F.	6.38	3,190
095123300800	Complete suspended ceilings, mineral fiber, lay-in board, 2' x 2' x 3/4", on 15/16" T bar suspension, include standard suspension system, excl. 1-1/2" carrier channels	150.00	S.F.	4.30	645
102113131000	Partitions, toilet, cubicles, floor & ceiling anchored, powder coated steel	1.00	Ea.	871.78	872
102113131400	Partitions, toilet, cubicles, floor & ceiling anchored, incl. 52" grab bars, for handicap units, add	1.00	Ea.	325.60	326
102113134200	Entrance screens, toilet, floor mounted, powder coated steel, 58" h x 48" w	1.00	Ea.	340.46	340
102113134704	Entrance screens, toilet, urinal screen, ceiling braced, powder coated steel, 18" w	2.00	Ea.	407.72	815
102813131100	Toilet accessories, grab bars, straight, stainless steel, 36" long	3.00	Ea.	70.20	211
220505101200	Fixture, lavatory, wall hung, selective demolition, includes 10' piping	1.00	Ea.	64.58	65
220505101400	Fixture, water closet, floor mounted, selective demolition, includes 10' piping	1.00	Ea.	80.73	81
220719100245	Insulation, insulated protectors (ADA), for exposed piping under sinks or lavatories, vinyl coated foam,	1.00	Ea.	69.18	69

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	velcro tabs, p trap, 1-1/4" or 1-1/2"				
220719100265	Insulation, insulated protectors (ADA), for exposed piping under sinks or lavatories, vinyl coated foam, velcro tabs, valve and supply cover, 1/2", 3/8", and 7/16" pipe size	2.00	Ea.	88.82	89
220719100285	Insulation, insulated protectors (ADA), for exposed piping under sinks or lavatories, vinyl coated foam, velcro tabs, tailpiece offset (wheelchair), 1-1/4" pipe size	1.00	Ea.	40.22	40
221113232140	Pipe, copper, tubing, solder, 1/2" diameter, type L, includes coupling & clevis hanger assembly 10' O.C.	80.00	L.F.	11.58	926
221113232180	Pipe, copper, tubing, solder, 3/4" diameter, type L, includes coupling & clevis hanger assembly 10' O.C.	80.00	L.F.	14.05	1,124
221316204120	Pipe, cast iron soil, no hub, 2" diameter, includes couplings 10' O.C., clevis hanger assemblies 5' O.C.	40.00	L.F.	27.47	1,099
221316204160	Pipe, cast iron soil, no hub, 4" diameter, includes couplings 10' O.C., clevis hanger assemblies 5' O.C.	20.00	L.F.	38.43	769
221316209000	Pipe, cast iron soil, minimum labor/equipment charge	2.00	Job	159.37	319
221426130200	Drain, cornice, cast iron, 45 Deg. or 90 Deg. outlet, 3" and 4" pipe size	1.00	Ea.	491.62	492
224116106210	Lavatory, wall hung, vitreous china, white, with backsplash, wheelchair type, single bowl, 27" x 20", includes trim	1.00	Ea.	1,060.43	1,060
224123203210	Shower, stall, fiberglass, one piece with three walls, handicap, 1-1/2" OD grab bars, nonskid floor, corner seat, 48" x 34-1/2" x 72", includes drain only, excludes valve control and door/curtain	1.00	Ea.	988.50	988
224123203260	Shower, stall, fiberglass, for thermostatic valve, add	1.00	Ea.	643.50	644
224123204200	Shower, stall, rough-in, supply, waste and vent for above shower	1.00	Ea.	1,153.75	1,154
224123405000	Shower, built-in head and arm, 2.5 GPM valve	1.00	Ea.	247.37	247
224123405200	Shower, built-in head, arm, by-pass, integral stops, handles	1.00	Ea.	457.58	458
224139106410	Faucets/fittings, stop and waste valves, bronze, straightway, threaded, 1/2"	2.00	Ea.	44.11	88
224139109000	Faucets/fittings, minimum labor/equipment charge	1.00	Job	159.37	159
224213403400	Water closet, children's size bowl only, floor mounted, tankless, rough-in, supply, waste and vent	1.00	Ea.	855.05	855
224216341490	Sink, laboratory, rough-in, supply, waste and vent	1.00	Ea.	808.97	809
224313403370	Water closet, healthcare, bowl only, floor mounted, tankless, hospital type, slotted rim for bed pan, elongated bowl, top spud, includes flush valve and seat	1.00	Ea.	636.50	636
233113130100	Metal ductwork, fabricated rectangular, under 100 lb., aluminum alloy 3003-H14, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	100.00	Lb.	26.63	2,663
233423106672	Fans, residential, bath exhaust, grille, back draft damper, 180 CFM	1.00	Ea.	177.10	177
233713300140	Grille, aluminum, air supply, adjustable, single deflection, 8" x 8"	2.00	Ea.	30.59	61
260505109000	Electrical demolition, minimum labor/equipment charge	3.00	Job	163.85	492
260519209040	Metal clad cable, copper, steel clad, 600 volt, 2 wire, #12	15.00	C.L.F.	347.66	5,215
260533160250	Outlet boxes, pressed steel, covers, blank, 4" square	4.00	Ea.	11.81	47
260533160650	Switch boxes, pressed steel	3.00	Ea.	29.82	89
262726200500	Toggle switch, quiet type, single pole, 20 amp	2.00	Ea.	34.22	68
262726202480	Duplex receptacle, ground fault interrupting, 15 amp	1.00	Ea.	66.64	67

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
262726202600	Wall plates, stainless steel, 1 gang	3.00	Ea.	11.05	33
265113500400	Fluorescent fixture, interior, acrylic lens, grid recess ceiling mounted, 2-40 W, 2' W x 4' L, incl lamps, mounting hardware and connections	2.00	Ea.	180.15	360
	Expansion into adjacent space	1.00	EA.	10,177.52	10,178
				Subtotal:	**52,329**
				Adjustment Factor:	**1.3500**
				Grand Total:	**70,645**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Accessibility

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Signs: Room Type not ADA/UFAS Compliant		
Requirement ID	REQ-3146	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Accessibility	Finish Date	
Prime System	C1020 - Interior Doors	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	5,691

Requirement Description

The warehouse permanent room signing does not conform with the Uniform Federal Accessibility Standard 4.1.2 (15). and ADA section 4.30 Signage.

No photo available.

Actions

Action Name	Signs
Option	Conventional
Prime Action	Yes
Description	Provide UFAS/ADA compliant permanent room signage.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	Furnish and install signs	35.00	Ea.	67.85	2,375
	Remove and patch existing signs	35.00	Ea.	52.59	1,841
				Subtotal:	**4,215**
				Adjustment Factor:	**1.3500**
				Grand Total:	**5,691**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Air and Water Quality

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Domestic Water Infrastructure: Replace		
Requirement ID	REQ-4036	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Air and Water Quality	Finish Date	
Prime System	D2020 - Domestic Water Distribution	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	107,491

Requirement Description

For the most part, the domestic water infrastructure is from the buildings original construction in 1924. During the inspection it was observed that water piping consisted mostly of galvanized piping with some newer cooper piping installed at the drinking fountain and first and second floor restrooms. The galvanized domestic water piping observed was in poor condition with excessive corrosion visible on the inside of valves located at columns.

No photo available.

Actions

Action Name	Domestic Water Piping
Option	Conventional
Prime Action	Yes
Description	Provide new domestic water piping infrastructure throughout warehouse with the exception of areas indicated that have newer cooper piping.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	Allowance for Piping Infrastructure	33,455.00	SF	2.38	79,623
				Subtotal:	**79,623**
				Adjustment Factor:	**1.3500**
				Grand Total:	**107,491**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Air and Water Quality
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Ductwork: Clean		
Requirement ID	REQ-3986	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Air and Water Quality	Finish Date	
Prime System	D3040 - Distribution Systems	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Shah	Estimated Cost	8,337

Requirement Description

The supply air duct system that serves the offices, conference room, the storage & staff office of this building should be cleaned and rebalance. At the time of inspection numerous dirty diffusers where observed and building occupants complained of poor air quality.

No photo available.

Actions

Action Name	Air System Cleaning
Option	Conventional
Prime Action	Yes
Description	Clean and rebalance the supply air ducts for the air handling called out in deficiency including registers. Coordinate with additional deficiency for the recommended addition of outside air supply duct(s) and office area ceiling tile replacement.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
019313150920	Ductwork, round, clean, 6"	600.00	L.F.	2.56	1,536
230593102700	Balancing, air conditioning equipment, package A.C. unit, (Subcontractor's quote including material & labor)	5.00	Ea.	325.62	1,628
230593103000	Balancing, air conditioning equipment, supply, return, exhaust, registers and diffusers, average ceiling height, (Subcontractor's quote including material & labor)	30.00	Ea.	77.76	2,333
	Allowance for Cutting, Patching, Matching and Accessibility	1.00	L.S.	678.51	679
				Subtotal:	**6,175**
				Adjustment Factor:	**1.3500**
				Grand Total:	**8,337**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Appearance
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Ceilings: Replace Ceiling tiles		
Requirement ID	REQ-2683	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Appearance	Finish Date	
Prime System	C3030 - Ceiling Finishes	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	11,688

Requirement Description

The acoustical ceiling tiles in the office and upper restroom areas are in poor condition due to age and water damage. The tiles are dirty; some are missing, deteriorating and falling from the grid. These ceilings should be replaced to ensure the integrity of the ceiling and to prevent any further deterioration.

No photo available.

Actions

Action Name	Replace tiles
Option	Conventional
Prime Action	Yes
Description	Replace all acoustical ceiling tiles in office and upper restroom areas. Repair suspended grid where necessary.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	1.00	Ton	86.94	87
090505101200	Ceiling demolition, suspended ceiling, mineral fiber, 2 x 2 or 2 x 4, remove	3,056.00	S.F.	0.49	1,497
095123101115	Suspended acoustic ceiling tiles, mineral fiber tile, lay-in, rough texture, 2' x 2' or 2' x 4', 5/8" thick	3,056.00	S.F.	2.13	6,509
				Subtotal:	**8,658**
				Adjustment Factor:	**1.3500**
				Grand Total:	**11,688**

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Requirement Detail Report
By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ

Category: Appearance
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Site Lighting: Provide Missing Fixtures		
Requirement ID	REQ-1552	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Appearance	Finish Date	
Prime System	D5020 - Lighting and Branch Wiring	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	3,871

Requirement Description

At the time of inspection 2 lighting fixtures were observed missing from the front of the building.

No photo available.

Actions

Action Name	Add site lighting
Option	Conventional
Prime Action	Yes
Description	Add 2 extra lighting fixtures with vandal cages to match existing in front of building & verify operation of remainder of site lighting around perimeter of building.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
055313100112	Floor grating, aluminum, 1" x 1/8" bearing bars @ 1-3/16" O.C., cross bars @ 4" O.C., over 300 S.F., field fabricated from panels	24.00	S.F.	20.50	492
055319300020	Grating frame, aluminum, 1" to 1-1/2" D, field fabricated	24.00	L.F.	14.42	346
055319300100	Grating frame, aluminum, 1" to 1-1/2" D, field fabricated, for each corner, add	16.00	Ea.	6.16	99
260519209040	Metal clad cable, copper, steel clad, 600 volt, 2 wire, #12	2.00	C.L.F.	347.66	695
260519900100	Wire, copper, stranded, 600 volt, #12, type THW, in raceway	2.00	C.L.F.	75.91	152
260533140200	Electric metallic tubing, 1/2"diameter, to 15' high, includes 11 couplings per 100'	60.00	L.F.	1.92	115
260533160150	Outlet boxes, pressed steel, 4" square	2.00	Ea.	35.14	70
260533160250	Outlet boxes, pressed steel, covers, blank, 4" square	2.00	Ea.	11.81	24

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
265623101170	High pressure sodium fixture, exterior, wall pack, 150 Watt, incl lamps	2.00	Ea.	437.24	874
				Subtotal:	**2,867**
				Adjustment Factor:	**1.3500**
				Grand Total:	**3,871**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Building Code

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Abandoned Hydraulic Cylinder: Remove Oil and Seal		
Requirement ID	REQ-3985	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	E1099 - Other Equipment	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	2,513

Requirement Description

At the time of inspection and abandoned hydraulic lift cylinder pit was observed in the warehouse at the south east end near the roll-up doors. The abandoned pit contained hydraulic oil. From and environmental standpoint, the pit should be drained and infilled.

No photo available.

Actions

Action Name Oil sump in warehouse

Option Conventional

Prime Action Yes

Description It is recommended that the oil to be pumped out and disposed of per local and Federal environmental guidelines. In addition, it is recommended that the pit be infilled with concrete to prevent a potential tripping hazard. Coordinate with additional deficiency for warehouse floor repair.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
013113200160	Field personnel, general purpose laborer, average	0.20	Week	2,187.00	437
033113350200	Structural concrete, ready mix, heavyweight, 3500 psi, includes local aggregate, sand, Portland cement (Type I) and water, delivered, excludes all additives and treatments	0.50	C.Y.	134.88	67
	Allowance to Remove Oil	1.00	L.S.	1,357.00	1,357
				Subtotal:	**1,862**
				Adjustment Factor:	**1.3500**
				Grand Total:	**2,513**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Building Code

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Additional outlets: Provide		
Requirement ID	REQ-2890	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D5010 - Electrical Service and Distribution	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	44,281

Requirement Description

There are numerous extension cords operating everything from multiple offices and computer equipment to a refrigerator in a office closet. The cords are subject to damage & shorting as they are draped over the steel structure, jammed in a steel door and running across warehouse floors. There are several plug strips plugged into each other accommodating office equipment.

No photo available.

Actions

Action Name	Add new outlets
Option	Conventional
Prime Action	Yes
Description	Install miscellaneous outlets in offices, tool room, warehouse & in warehouse office areas to alleviate extension cord situation.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
260519901200	Wire, copper, stranded, 600 volt, #12, type THWN-THHN, in raceway	108.00	C.L.F.	77.32	8,351
260533140200	Electric metallic tubing, 1/2"diameter, to 15' high, includes 11 couplings per 100'	3,600.00	L.F.	1.92	6,912
260533160150	Outlet boxes, pressed steel, 4" square	72.00	Ea.	35.14	2,530
260533160250	Outlet boxes, pressed steel, covers, blank, 4" square	36.00	Ea.	11.81	425
260533160260	Outlet boxes, pressed steel, covers, raised device, 4" square	36.00	Ea.	13.19	475
262416105500	Load centers, 3 phase, 4 wire, main breaker, indoor, 120/208 V, 200 amp, 42 circuits, incl 20 A 1 pole plug-in breakers	1.00	Ea.	3,036.53	3,037

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
262726202470	Duplex receptacle, grounded, 120 volt, 20 amp	36.00	Ea.	33.71	1,214
D50102300280	Feeder installation 600 V, including RGS conduit and XHHW wire, 200 A	200.00	L.F.	49.29	9,858
				Subtotal:	**32,801**
				Adjustment Factor:	**1.3500**
				Grand Total:	**44,281**

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Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Air Handlers: Provide Outside Air Duct		
Requirement ID	REQ-1485	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D3040 - Distribution Systems	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	30,474

Requirement Description

First and second floor south side office areas and locker rooms as well as a west side "testing" room are provided conditioned air via rooftop heat pumps with ceiling mounted evaporators. Although the heat pumps appeared to be in relatively good condition, no provisions for outside Code required air were observed. Presently the system work by drawing return air from the space through ceiling registers to the evaporator section. Per the International mechanical code section No. 403.2 the minimum outside air required is 20 CFM per person. Also the GSA recognizes the importance of adequate ventilation to maintain air quality. The outside air and ventilation rates of ASHRAE standard 62 are the minimum acceptable in GSA buildings.

Additionally, the filters in the evaporator sections were observed to be extremely dirty.

No photo available.

Actions

Action Name Outside air

Option Conventional

Prime Action Yes

Description It is recommended that the air distribution from each heat pump serving these offices, conference room and storage area on lower and upper level be modified to include Code required outside air and proper return air distribution. In addition, it is recommended that the filters be replaced with new to ensure proper indoor air quality.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119251200	Selective demolition, saw cutting, masonry walls, brick, per inch of depth, hydraulic saw	60.00	L.F.	6.38	383
230505101200	Air conditioner, ductwork, rigid, 10" x 12", selective demolition	60.00	L.F.	3.36	202
233113130120	Metal ductwork, fabricated rectangular, 500 to 1000 lb., aluminum alloy 3003-H14, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	700.00	Lb.	20.32	14,224
233713301100	Grille, steel, air return, 12" x 12"	5.00	Ea.	56.68	283
233715402500	Louver, aluminum, extruded, with screen, mill finish, dual combination, automatic, intake or exhaust	5.00	S.F.	91.88	459

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	Allowance for Carpentry and Misc. Patching Materials	1.00	Job.	6,785.01	6,785
	Allowance for New Filter and Replacement	5.00	Ea.	47.48	237
				Subtotal:	**22,574**
				Adjustment Factor:	**1.3500**
				Grand Total:	**30,474**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Bathroom Floor Drains: Provide		
Requirement ID	REQ-3095	Action Date	Jan 19, 2007
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D2030 - Sanitary Waste	Status	Open
Priority	3 - Within 3 to 5 Years	Actual Cost	0
Inspector	Shah	Estimated Cost	9,506

Requirement Description

GSA PBS-PQ100.1 requires that multiple fixture restrooms contain floor drains. The two second floor locker room/restrooms did not have floor drains installed.

No photo available.

Actions

Action Name Bathroom Drains & Spigots

Option Conventional

Prime Action Yes

Description It is recommended that floor drains be provided outside the curb area in the two second floor locker rooms/ restrooms. In addition, to prevent eventual sewer gas odors from dried out traps, it is recommended that hose bibs with vacuum breakers be provided for floor drain priming. Coordinate with additional deficiencies for domestic water infrastructure replacement.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
0201250702	96 Core drill reinf concrete slab,up to 6"thick,6"diameter	2.00	Ea.	44.19	88
220523201460	Valves, bronze, ball, 150 psi, 3/4", threaded	2.00	Ea.	57.07	114
221113232180	Pipe, copper, tubing, solder, 3/4" diameter, type L, includes coupling & clevis hanger assembly 10' O.C.	50.00	L.F.	14.05	702
221119640200	Hydrant, wall type, moderate climate, bronze, anti-siphon, encased, 3/4" I.P.S. connection	2.00	Ea.	815.34	1,631
221119641240	Hydrant, wall type, non-freeze, bronze, exposed, for 3/4" adapter type vacuum breaker, add	2.00	Ea.	66.00	132
221316203020	Pipe, cast iron soil, single hub, service weight, 3" diameter, push-on gasket joints 10' OC, includes clevis hanger assemblies 5' O.C.	20.00	L.F.	33.83	677
221316203050	Pipe, cast iron soil, single hub, service weight, 6" diameter, push-on gasket joints 10' OC, includes clevis hanger assemblies 5' O.C.	10.00	L.F.	58.45	584
221316304330	Reducer, cast iron soil, hub and spigot, service weight, 6" x 3", gasket joint, includes gaskets	2.00	Ea.	172.20	344

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
221316304640	Y, cast iron soil, hub and spigot, service weight, 6", gasket joint, includes gaskets	2.00	Ea.	370.17	740
221316603170	Traps, cast iron, service weight, P trap, no-hub, 3" pipe size	2.00	Ea.	122.11	244
221319132120	Drain, floor, medium duty, cast iron, deep flange, with polished bronze top, 7" diameter top	2.00	Ea.	320.10	640
PLUHJ	Plumber Helpers (JourneyMan)	8.00	hour	63.34	507
PLUMJ	Plumbers (JourneyMan)	8.00	hour	79.60	637
				Subtotal:	**7,041**
				Adjustment Factor:	**1.3500**
				Grand Total:	**9,506**

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Requirement Detail Report
By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Battery Room: Non Compliant		
Requirement ID	REQ-2753	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	C1010 - Partitions	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	24,266

Requirement Description

At the time of inspection, the 'Battery Storage' room located along the northwest side of the first floor was open to the warehouse space. There was no door assembly, non-rated gypsum wallboard filled-in former openings within CMU walls and a single wood framed glass window exists on the front wall of this storage room. Battery storage is classified as a hazardous material. Per BOCA section 313.1.2 'Separated Use Groups', this room and the warehouse area must be separated by a 2-hour fire rated separation assembly. In addition, Code required ventilation and an emergency eyewash/shower station was not observed as required by ANSI Z358.1. Per ASHRAE and the 1996 International Mechanical Code, the battery room shall be ventilated with a minimum of 6 air changes per hour. Also per PQ100.1, the battery room must be exhausted with 3 air changes per hour minimum.

No photo available.

Actions

Action Name	Reconstruct
Option	Conventional
Prime Action	Yes
Description	Reconstruct existing Battery Storage room with the proper fire separation assemblies required. Remove window, non-rated gypsum and wood stud fillers. Remove all non-compliant material such as wood shelves and janitorial equipment from this room. Provide new CMU walls to fill in openings and install new fire rate door assembly and associated hardware. Install appropriate shelving that complies with a hazardous material storage room. Provide a ventilation system to exhaust 300 CFM of air. The exhaust fan shall have explosion proof construction. Also provide emergency eyewash/shower in or immediately adjacent to the room. The lighting fixture must be also explosion proof. A general convenience outlet is provided for battery charging in the room.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	1.00	Ton	86.94	87
080505202060	Window demolition, wood, to 50 S.F., includes trim	1.00	Ea.	30.48	30
087120306000	Door hardware, door closer-holder, hinge face mount, all sizes, exposed arm	1.00	Ea.	298.04	298
087120400500	Door hardware, lockset, standard duty, cylindrical, with sectional trim, lever handled, keyed, single cylinder	1.00	Ea.	190.80	191

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	function				
087120500020	Door hardware, doorstops, holder and bumper, floor or wall	1.00	Ea.	53.56	54
087120650800	Thresholds, rubber, 2-3/4" wide x 1/2" thick	1.00	Ea.	66.16	66
090505301000	Walls and partitions demolition, drywall, nailed or screwed	250.00	S.F.	0.37	92
220523201470	Valves, bronze, ball, 150 psi, 1", threaded	1.00	Ea.	69.23	69
221113232200	Pipe, copper, tubing, solder, 1" diameter, type L, includes coupling & clevis hanger assembly 10' O.C.	100.00	L.F.	18.01	1,801
230593101300	Balancing, air, heating and ventilating equipment, propeller and wall fan, (Subcontractor's quote including material & labor)	1.00	Ea.	110.81	111
233113130100	Metal ductwork, fabricated rectangular, under 100 lb., aluminum alloy 3003-H14, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	50.00	Lb.	26.63	1,332
233416107100	Fans, roof exhauster, centrifugal, aluminum housing, bird screen, back draft damper, direct drive, 1/4" S.P., 320 CFM, 12" galvanized curb, 11" sq. damper	1.00	Ea.	928.56	929
260519209230	Metal clad cable, copper, aluminum clad, 600 volt, 2 wire, #12	1.00	C.L.F.	319.72	320
260519900100	Wire, copper, stranded, 600 volt, #12, type THW, in raceway	1.00	C.L.F.	75.91	76
260533140500	Rigid galvanized steel conduit, 1/2" diameter, to 15' high, includes 11 couplings per 100'	30.00	L.F.	6.45	194
260533160150	Outlet boxes, pressed steel, 4" square	2.00	Ea.	35.14	70
260533160250	Outlet boxes, pressed steel, covers, blank, 4" square	2.00	Ea.	11.81	24
260533161400	Outlet boxes, cast, 1 gang, FS, 1/2" hub, 2" deep	3.00	Ea.	75.23	226
262726200500	Toggle switch, quiet type, single pole, 20 amp	1.00	Ea.	34.22	34
262726202180	Receptacle, explosionproof, single outlet, 20 amp	1.00	Ea.	479.52	480
262816207610	Safety switches, explosion proof, 3 pole, nonfusible, 600 volt, 30 amp, NEMA 7	1.00	Ea.	1,766.52	1,767
265413206600	Fluorescent fixture, interior, explosionproof, ceiling mounted, R.S., 2-40 W, 4' L, incl lamps, mounting hardware and connections	1.00	Ea.	3,434.15	3,434
C10101022000	Concrete block (CMU) partition, regular weight, hollow, 8" thick, no finish	250.00	S.F.	8.38	2,095
C10201167220	Labeled metal door/metal frame, hollow, 3 hr, 18 ga full panel, 3'-0" x 7'-0", welded frame, 8-3/4"	1.00	Ea.	1,402.89	1,403
ELECJ	Electricians (JourneyMan)	8.00	hour	73.14	585
PLUHJ	Plumber Helpers (JourneyMan)	8.00	hour	63.34	507
PLUMJ	Plumbers (JourneyMan)	8.00	hour	79.60	637
	Eye wash station	1.00	Ea.	501.62	502
				Subtotal:	**17,975**
				Adjustment Factor:	**1.3500**
				Grand Total:	**24,266**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Building Code

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Branch circuits: Obsolete		
Requirement ID	REQ-3628	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D5010 - Electrical Service and Distribution	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	37,883

Requirement Description

Approximately 25% of the branch circuits observed were obsolete, utilizing cloth insulation, frequently involving outlet circuits run without a ground. These circuits should be replaced. As part of this replacement, circuits should be traced to complete panel directories. Additionally, a plug-in test should be run on all outlets to determine if they are properly grounded.

No photo available.

Actions

Action Name Replace obsolete circuits & add outlets

Option Conventional

Prime Action Yes

Description Trace all branch circuits and complete panel directories. Replace all obsolete branch circuits.

Additional outlets are needed in offices and to prevent the numerous extension cords to power remote office configurations in warehouse areas.

Add additional GFI outlets in tool room, mechanical spaces & at equipment on roof as per NEC210-63 & 210-8-b.2.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
260533140200	Electric metallic tubing, 1/2"diameter, to 15' high, includes 11 couplings per 100'	800.00	L.F.	1.92	1,536
262726202482	Duplex receptacle, ground fault interrupting, 20 amp	8.00	Ea.	68.90	551
D50201200600	Receptacles and wall switches, 400 SF, 8 receptacles	5,056.00	S.F.	3.98	20,123
ELECJ	Electricians (JourneyMan)	80.00	hour	73.14	5,851
				Subtotal:	**28,061**
				Adjustment Factor:	**1.3500**
				Grand Total:	**37,883**

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Requirement Detail Report
By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Egress: Additional Means of Egress		
Requirement ID	REQ-3143	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	B2020 - Exterior Windows	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	24,730

Requirement Description

A portion of the 49 L Street Building lacks the means of egress complying with ADA/Uniform Federal Accessibility Standard section 4.3.10 and BOCA sections 1007.1 Accessible Means of Egress & 1017.2 Number or Egress Doorways. Exits to the exterior are non-existent in the northwest storage area and the existing interior overhead door is the only access to this area, which does not meet the requirement as an exit or exit access door. The addition of an exterior egress door and an interior exit door in this area are required. The Staff Office area at the front of the building, has two means of egress or exit doors, however, the length of travel from either of the exit doors to the nearest exterior egress is greater than the approved distance required. The addition of a single exterior egress door on the 'L' Street elevation should be considered. An Engineering study should be conducted and a plan developed to properly locate the two exterior door locations.

No photo available.

Actions

Action Name Additional Egress Locations

Option Conventional

Prime Action Yes

Description Provide one interior exit and two exterior means of egress with the proper signage, locks and latches, emergency hardware and exterior landings where required. Conduct a engineering study and develop a plan for accessible means of egress and exit locations. Door criteria shall follow the BOCA National Building Code sections 1014.8.3 & 716.1

This project should be coordinated with the "Cut & Point" project for the exterior brick facade.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024116130080	Building demolition, large urban projects, masonry, includes 20 mile haul, excludes foundation demolition, dump fees	1.00	C.F.	0.36	0
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	1.00	Ton	86.94	87
031113653000	C.I.P. concrete forms, slab on grade, edge, wood, to 6" high, 4 use, includes erecting, bracing, stripping and	36.00	L.F.	3.18	114

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	cleaning				
033113350200	Structural concrete, ready mix, heavyweight, 3500 psi, includes local aggregate, sand, Portland cement (Type I) and water, delivered, excludes all additives and treatments	1.00	C.Y.	134.88	135
051223452600	Lintel angle, structural, unpainted, 4"x3-1/2"x1/4" T, 5'-0" long, shop fabricated	2.00	Ea.	64.08	128
087120350210	Door hardware, panic device, single door, bar and vertical rod, outside key and pull	2.00	Ea.	1,161.06	2,322
087120400500	Door hardware, lockset, standard duty, cylindrical, with sectional trim, lever handled, keyed, single cylinder function	1.00	Ea.	190.80	191
087120650800	Thresholds, rubber, 2-3/4" wide x 1/2" thick	9.00	Ea.	66.16	595
087120950020	Door hardware, kick plate, stainless steel, .05", 16 ga, 8" x 28"	3.00	Ea.	74.98	225
090505300100	Walls and partitions demolition, brick, 4" to 12" thick	64.00	C.F.	9.45	605
090505301000	Walls and partitions demolition, drywall, nailed or screwed	32.00	S.F.	0.37	12
BRICJ	Bricklayers (JourneyMan)	32.00	hour	63.66	2,037
C10201168020	Labeled metal door/metal frame, mineral core, 1.5 hr, 20ga full panel, 3'-0" x 7'-0", welded frame, 8-3/4"	3.00	Ea.	1,599.70	4,799
CARPJ	Carpenters (JourneyMan)	48.00	hour	64.81	3,111
	Investigate	1.00	LS.	3,392.51	3,393
				Subtotal:	**18,318**
				Adjustment Factor:	**1.3500**
				Grand Total:	**24,730**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Building Code

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Exterior Windows: Remove Windows at Back of Building		
Requirement ID	REQ-3343	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	C1010 - Partitions	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	29,805

Requirement Description

Window openings through the exterior wall at the rear, north, of the building are not in compliance with the Fire Separation Codes per BOCA section 705.3. The building adjacent to the rear of 49 L Street is owned and operated by the Sunoco Gasoline company, and is less than 12" from the exterior wall. Section 705.3 states no openings are permitted in a fire separation if the distance is less than 36". These windows must be removed and the openings to be filled in with a fire rated non-combustible construction material to match the existing building construction and to maintain the integrity of the fire separation barrier.

No photo available.

Actions

Action Name	Remove Windows
Option	Conventional
Prime Action	Yes
Description	Remove existing windows at rear of building. Fill-in openings with material to match building construction. Coordinate with additional deficiencies for the replacement of the window air conditioning unit serving the mezzanine space and the mezzanine fire separation assembly deficiency.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
015423700090	Scaffolding, steel tubular, regular, labor only to erect & dismantle, building exterior, wall face, 6'-4" x 5' frames, 1 to 5 stories, excl. planks	35.00	C.S.F.	194.42	6,805
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	1.00	Ton	86.94	87
080505200280	Window demolition, aluminum, to 50 S.F.	6.00	Ea.	79.26	476
080505200620	Window demolition, glass, maximum	280.00	S.F.	2.64	739
B20101341000	Brick wall, cavity, standard face, 4" common back-up, 10" thick, styrofoam cavity fill	280.00	S.F.	31.41	8,795

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
BRHEJ	Bricklayer Helpers (JourneyMan)	40.00	hour	51.66	2,066
BRICJ	Bricklayers (JourneyMan)	40.00	hour	63.66	2,546
				Subtotal:	**22,078**
				Adjustment Factor:	**1.3500**
				Grand Total:	**29,805**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Building Code

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Fire Protection System: Flush and Test		
Requirement ID	REQ-3984	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D4010 - Sprinklers	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	20,226

Requirement Description

Although the exact age of the fire suppression system is unknown, the type and age of the sprinkler heads observed indicate that the fire suppression system is fairly old. Based on the estimated age of the fire suppression system and the condition of some of the sprinkler heads observed, it is recommended that the system be flushed and tested to ensure proper operation.

No photo available.

Actions

Action Name	Sprinklers
Option	Conventional
Prime Action	Yes
Description	Flush and Test the entire fire sprinklers system. An allowance to replace 20% of the sprinkler heads is being provided and based on an average coverage of 100 square feet per sprinkler head.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
211313503740	Sprinkler system components, sprinkler heads, standard spray, pendent or upright, brass, 135 to 286 degrees F, 1/2" NPT, 1/2" orifice, excludes supply piping	66.00	Ea.	50.80	3,353
	Crew Q-13 (Sprinkler Foreman, 2 Sprinkler Installers and Apprentice)	5.00	Ea.	2,325.85	11,629
				Subtotal:	**14,982**
				Adjustment Factor:	**1.3500**
				Grand Total:	**20,226**

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Requirement Detail Report
By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Fire Separation Assemblies: Tool Room and Office Areas		
Requirement ID	REQ-3602	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	C1010 - Partitions	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	39,194

Requirement Description

The Tool Room and the Conference Room are constructed of 8" CMU and gypsum perimeter walls, rise to the elevation of 10' above the finish floor, leaving an open plenum to the steel roof deck. Both these areas as well as the adjoining office areas and corridors are classified as Group 'B' Business use, while the warehouse and storage areas are classified as Group 'S' Storage use. Per BOCA section 313.1.2 Separated Use Groups, these areas must be separated by a 2-hour fire rated separation assembly. It is recommended that a 2-hour fire rated gypsum wall be erected atop the conference and tool room perimeter wall to the underside of the roof deck. The are three single pane interior windows and four doors leading into the business use areas also need to be replaced in accordance with this code section. The addition of a rated door at the corridor leading to the handicap restroom and the office area also need to be addressed. All penetrations to be filled to ensure the integrity of the fire separation assembly required.

No photo available.

Actions

Action Name	Fire Separation
Option	Conventional
Prime Action	Yes
Description	Construct a deck high 2-hour fire rated partition above the existing conference and tool rooms. Add 2-hr fire rated doors at the Staff office entrance, janitorial closet adjacent to the staff office, two corridor entrances and the Tool room entrance. Remove non-rated glass windows in the Tool room and fill in openings with the proper Fire Separation Assembly components and material. Repair interior deck high brick wall surrounding the Staff Office area and the Uni-sex restroom to comply with the same codes. Extend back wall in janitorial closet to the underside of the roof deck and patch left side gypsum wall. Replace two steel doors and three single pane window leading to the tool room and office entrance. All penetrations to be sealed to comply with the Fire Separation Assemblies codes.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
015423700460	Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, wall face, 6'-4" x 5' frames, up to 16' high, excl. planks	30.00	C.S.F.	129.61	3,888
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	10.00	Ton	86.94	869

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
042210341650	Concrete block partitions, lightweight blocks, hollow, 2000 psi, 8" x 8" x 16", tooled joints both sides, includes mortar and horizontal joint reinforcing every other course, excludes scaffolding and vertical reinforcing	50.00	S.F.	8.61	430
080505100500	Door demolition, interior door, single, 3' x 7' high, 1-3/8" thick, remove	4.00	Ea.	19.82	79
080505102000	Door demolition, door frames, metal, remove and reset	4.00	Ea.	61.98	248
080505201040	Window demolition, steel, to 50 S.F., remove old mesh	1.00	Ea.	99.08	99
081213250100	Door frames, steel channels with anchors and bar stops, 6" channel@ 8.2 lb/LF, 3' x 7' door, weighs 150 lb	5.00	Ea.	468.96	2,345
081313150080	Doors, fire, steel, flush, "B" label, 90 minute, full panel, 20 ga., 3'-0" x 7'-0"	5.00	Ea.	556.03	2,780
087120306000	Door hardware, door closer-holder, hinge face mount, all sizes, exposed arm	5.00	Ea.	298.04	1,490
087120400500	Door hardware, lockset, standard duty, cylindrical, with sectional trim, lever handled, keyed, single cylinder function	5.00	Ea.	190.80	954
087120501600	Door hardware, doorstops, holder and bumper, for floor, aluminum	5.00	Ea.	24.43	122
087120650800	Thresholds, rubber, 2-3/4" wide x 1/2" thick	5.00	Ea.	66.16	331
087120950020	Door hardware, kick plate, stainless steel, .05", 16 ga, 8" x 28"	5.00	Ea.	74.98	375
092116337600	Partition wall, interior, fire & water resistant, 2 layers, 2 hour, taped both sides, installed on & incl.25 ga, NLB metal studs, 3-5/8" wide, 16" O.C., 8' to 12' high, 5/8" gypsum drywall	400.00	S.F.	5.65	2,260
BRICJ	Bricklayers (JourneyMan)	16.00	hour	63.66	1,019
CARPJ	Carpenters (JourneyMan)	120.00	hour	64.81	7,777
CLABJ	Common Building Laborers (JourneyMan)	32.00	hour	51.80	1,658
PORDJ	Painters, Ordinary (JourneyMan)	32.00	hour	54.50	1,744
				Subtotal:	**29,033**
				Adjustment Factor:	**1.3500**
				Grand Total:	**39,194**

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Requirement Detail Report
By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Fire Separation Assemblies: Warehouse and Vault Storage		
Requirement ID	REQ-2812	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	C1010 - Partitions	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	47,159

Requirement Description

The warehouse and vault storage areas are presently separated by a non-fire rated gypsum wall extending to the underside of the overhead steel, leaving an open plenum above the vault storage and adjoining office areas. The adjoining office area and interior corridor are classified as Group 'B' Business use, while the warehouse and vault storage areas are classified as Group 'S' Storage use. Per BOCA section 313.1.2 Separated Use Groups, these areas must be separated by a 2-hour fire rated separation assembly. It is recommended that this wall be removed and reconstructed with a 2-hour fire rated gypsum perimeter wall to the underside of the roof deck to separate the warehouse area from the vault and office areas, and closing off the open plenum. All penetrations to be filled to ensure the integrity of the fire separation assembly required.

No photo available.

Actions

Action Name	Fire Separation
Option	Conventional
Prime Action	Yes
Description	Construct a 2-hour fire rated partition separating the warehouse area from the vault and adjoining offices. All penetrations to be sealed to comply with the Fire Separation Assemblies codes.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
015423700460	Scaffolding, steel tubular, regular, labor only to erect & dismantle, building interior, wall face, 6'-4" x 5' frames, up to 16' high, excl. planks	30.00	C.S.F.	129.61	3,888
024119190800	Selective demolition, rubbish handling, dumpster, 30 C.Y., 7 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	857.60	858
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	10.00	Ton	86.94	869
090505301020	Walls and partitions demolition, drywall, two layers, glued and nailed	1,500.00	S.F.	0.41	615
092116337600	Partition wall, interior, fire & water resistant, 2 layers, 2 hour, taped both sides, installed on & incl.25 ga, NLB metal studs, 3-5/8" wide, 16" O.C., 8' to 12' high, 5/8"	2,400.00	S.F.	5.65	13,560

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	gypsum drywall				
CARPJ	Carpenters (JourneyMan)	200.00	hour	64.81	12,962
PORDJ	Painters, Ordinary (JourneyMan)	40.00	hour	54.50	2,180
				Subtotal:	**34,932**
				Adjustment Factor:	**1.3500**
				Grand Total:	**47,159**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Garage Ventilation: Provide		
Requirement ID	REQ-1381	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D3040 - Distribution Systems	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	19,495

Requirement Description

At the time of inspection, building occupants reported poor air quality and hot conditions during summer months in the warehouse/garage. Building occupants further reported that the existing propeller type exhaust fans mounted at the clearstory windows did not operate. Per ASHRAE and the 1996 International Mechanical Code the garage shall be ventilated with minimum of 6 air changes per hour. Also per PQ100.1, outside air and total ventilation rates must comply with the latest edition of ASHRAE.

No photo available.

Actions

Action Name Exhaust fan

Option Conventional

Prime Action Yes

Description Since there is nor ventilation of the garage, it is recommended that a ventilation system be provide to exhaust 4,000 CFM of air. Also provide low level exhaust to purge carbon monoxide.

This project to coincide with 'Roof Replacement' project. See separate deficiency.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
230593101400	Balancing, air, heating and ventilating equipment, roof exhaust fan, (Subcontractor's quote including material & labor)	1.00	Ea.	259.52	260
230943101100	Pneumatic control system, unit ventilator, day/night operation, freezestat, ASHRAE, cycle 2	1.00	Ea.	5,226.71	5,227
233113130100	Metal ductwork, fabricated rectangular, under 100 lb., aluminum alloy 3003-H14, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	100.00	Lb.	26.63	2,663
233416103560	Fans, centrifugal, airfoil, motor and drive complete, 4000 CFM, 3 H.P.	1.00	Ea.	3,681.34	3,681
233713300480	Grille, aluminum, air supply, adjustable, single deflection, 30" x 18"	2.00	Ea.	73.02	146
233715405000	Louver, aluminum, extruded, with screen, mill finish, thinline, fixed blade, under 4" thick	8.00	S.F.	41.54	332

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
239110106190	Curbs/pads prefabricated, pad, condenser, fiberglass reinforced concrete with polystyrene foam core, 2" thick, 30" x 30"	1.00	Ea.	90.28	90
260519209040	Metal clad cable, copper, steel clad, 600 volt, 2 wire, #12	2.00	C.L.F.	347.66	695
262816200100	Safety switches, general duty, 3 pole, fusible, 240 volt, 30 amp, NEMA 1	1.00	Ea.	301.97	302
283146505420	Detection system, smoke detector, duct type, addressable, excl. wires & conduit	1.00	Ea.	751.93	752
ELECJ	Electricians (JourneyMan)	4.00	hour	73.14	293
				Subtotal:	**14,441**
				Adjustment Factor:	**1.3500**
				Grand Total:	**19,495**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Building Code

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	GFCI outlets: Provide		
Requirement ID	REQ-2201	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D5010 - Electrical Service and Distribution	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	465

Requirement Description

The following restrooms have outlets which are not GFCI rated. This is a violation of N.E. C. section 210-8b. Both second floor restrooms/Locker rooms, First floor - restroom.

No photo available.

Actions

Action Name	Install GFCI outlets
Option	Conventional
Prime Action	Yes
Description	Provide GFCI outlets in bathrooms and locker rooms.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
262726202482	Duplex receptacle, ground fault interrupting, 20 amp	5.00	Ea.	68.90	344
				Subtotal:	**344**
				Adjustment Factor:	**1.3500**
				Grand Total:	**465**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Hose Bibs: Provide		
Requirement ID	REQ-4053	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D2020 - Domestic Water Distribution	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	7,654

Requirement Description

At the time of inspection hose bibs were not observed at the exterior walls of the building as is required by the GSA PBS PQ100.1.

No photo available.

Actions

Action Name New hose bibs

Option Conventional

Prime Action Yes

Description Provide four new freeze proof hose bibs including new vacuum breakers, shut off valves and piping as needed.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
220523201460	Valves, bronze, ball, 150 psi, 3/4", threaded	4.00	Ea.	57.07	228
221113232180	Pipe, copper, tubing, solder, 3/4" diameter, type L, includes coupling & clevis hanger assembly 10' O.C.	120.00	L.F.	14.05	1,686
221113250500	Tee, copper, wrought, copper x copper, 3/4"	4.00	Ea.	67.09	268
221119641120	Hydrant, wall type, non-freeze, bronze, exposed, 3/4" I.P.S connection, 10" to 14" thick wall	4.00	Ea.	619.62	2,478
221119641280	Hydrant, wall type, non-freeze, bronze, exposed, 3/4" I.P.S connection, for anti-syphon type, add	4.00	Ea.	138.60	554
PLUMJ	Plumbers (JourneyMan)	4.00	hour	79.60	318
	Allowance for Misc. Patching of Exterior Wall	4.00	Ea.	33.92	136
				Subtotal:	**5,670**
				Adjustment Factor:	**1.3500**
				Grand Total:	**7,654**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Interior Stairways: Not Code Compliant		
Requirement ID	REQ-3326	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	C20 - Stairs	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	124,678

Requirement Description

Both stairways leading to the upper restroom locations and the stairway to the basement level are not compliant with BOCA 1014.6.2. The 8 inch and 8 1/2 inch risers are not uniform height and the 10" tread sizes are also not compliant. The landing widths to the upper restrooms are 32 inches and the intermediate landing at the basement stairway is 40". Handrails on all three stairway systems are 33" in height. Per BOCA 1022.2.2 handrails shall not be less than 34" or exceed 38" in height.

No photo available.

Actions

Action Name	Stairs
Option	Conventional
Prime Action	Yes
Description	Reconstruct or modify the three stairways indicated.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119190840	Selective demolition, rubbish handling, dumpster, 40 C.Y., 10 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	910.47	910
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	10.00	Ton	86.94	869
055213500930	Railing, pipe, steel, wall rail, primed, 1-1/4" dia, shop fabricated	200.00	L.F.	30.95	6,190
C20101100620	Stairs, CIP concrete, w/landing, 24 risers, with nosing	3.00	Flight	8,989.22	26,968
PORDJ	Painters, Ordinary (JourneyMan)	40.00	hour	54.50	2,180
	Masonry demolition, remove old masonry steps	265.00	S.F.	208.44	55,237
				Subtotal:	**92,354**
				Adjustment Factor:	**1.3500**
				Grand Total:	**124,678**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Building Code

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Mezzanine Window Air Conditioner: Replace		
Requirement ID	REQ-1486	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D3040 - Distribution Systems	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	4,289

Requirement Description

The 1300 square foot mezzanine located at the north end of the building is presently cooled by an aged 1/2 ton window air conditioning unit. Besides being aged, the window air conditioning unit penetrates a wall which is required to be fire rated, refer to separate deficiency.

No photo available.

Actions

Action Name	Split System
Option	Conventional
Prime Action	Yes
Description	It is recommended that the window units be replaced with 1new 3 Ton split system air conditioning

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
230505100150	Air conditioner, split unit air conditioner, package unit, 3 ton, selective demolition	1.00	Ea.	612.84	613
236213100300	Condensing unit, air cooled, compressor, 3 ton, includes standard controls	1.00	Ea.	2,564.15	2,564
				Subtotal:	**3,177**
				Adjustment Factor:	**1.3500**
				Grand Total:	**4,289**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Mezzanine: Provide Fire Separation Assembly		
Requirement ID	REQ-1502	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	C1010 - Partitions	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	46,854

Requirement Description

There is a 1300 square foot steel mezzanine located at the north end of the building within the warehouse area. The upper floor of the mezzanine was constructed for additional office and lab space. The level below is used for additional storage. Perimeter walls are constructed of wood studs faced with plywood on the lower level and wood paneling on the upper floor; open studs face the warehouse side. A wooden staircase along the exterior wall is used to access the upper level. This unit has improper railing heights and guard spacing. It appeared insecure and unstable.

The upper office area is classified as Group 'B' Business use, while the warehouse and adjacent storage areas are classified as Group 'S' Storage use. Per BOCA section 313.1.2 Separated Use Groups, these areas must be separated by a 2-hour fire rated separation assembly. It is recommended that 2-layers of gypsum wallboard be added to the perimeter walls to separate the warehouse area from the office area. The wood frame doors leading to the office area, as well as the set of plywood doors at the lower level, be replaced with properly rated door assemblies and associated hardware. The wood stair unit should be replaced with a steel stair assembly with the proper rail heights, tread, riser and landing sizes. All penetrations to be filled to ensure the integrity of the fire separation assembly required.

No photo available.

Actions

Action Name	Fire Separation
Option	Conventional
Prime Action	Yes
Description	Install 2-layers of gypsum wallboard on the mezzanine perimeter walls facing the open warehouse. Replace two wood framed door units located at the upper office and lower storage areas. Replace the non-compliant wood stair system with approved steel stair system. All penetrations to be filled to ensure the integrity of the fire separation assembly required. Coordinate with additional deficiency for the replacement of the mezzanine area window air conditioning unit.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	1.00	Ton	86.94	87
060505104240	Selective demolition, wood framing, joists, 2" x 8"	80.00	L.F.	0.74	59

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
060505106200	Selective demolition, wood framing, stairs and stringers, minimum	12.00	Riser	17.46	210
060505106600	Selective demolition, wood framing, studs, 2" x 4"	24.00	L.F.	0.35	8
087120400500	Door hardware, lockset, standard duty, cylindrical, with sectional trim, lever handled, keyed, single cylinder function	3.00	Ea.	190.80	572
092910302150	Gypsum wallboard, on walls, fire resistant, taped & finished (level 4 finish), 5/8" thick	3,200.00	S.F.	1.35	4,320
C10201168020	Labeled metal door/metal frame, mineral core, 1.5 hr, 20ga full panel, 3'-0" x 7'-0", welded frame, 8-3/4"	1.00	Ea.	1,599.70	1,600
C10201168180	Labeled metal door/metal frame, mineral core, 1.5 hr, 20 ga full panel, 6'-0" x 7'-0", welded frame, 8-3/4"	2.00	Ea.	2,709.00	5,418
C20101100640	Stairs, steel, grate type w/nosing & rails, 12 risers, with landing	1.00	Flight	9,651.94	9,652
CARPJ	Carpenters (JourneyMan)	80.00	hour	64.81	5,185
PORDJ	Painters, Ordinary (JourneyMan)	32.00	hour	54.50	1,744
SSWLJ	Welders, Structural Steel (JourneyMan)	64.00	hour	82.62	5,288
				Subtotal:	**34,706**
				Adjustment Factor:	**1.3500**
				Grand Total:	**46,854**

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Requirement Detail Report
By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Obsolete telecomm. cable: Remove		
Requirement ID	REQ-3389	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D5030 - Communications and Security	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	29,956

Requirement Description

The present method of distributing telecomm. cable is inefficient, aesthetically unacceptable, and likely to present operational problems in the near future as rapid changes are dictated by technological advances. A planned infrastructure coordinated with new closets and removal of obsolete cable (outlined in other deficiencies) is strongly recommended

The vast majority of cat 5 cable observed in the building is type CMR, not plenum rated. This cable is run in the open warehouse space and above suspended ceilings, office areas, which are used as return air plenums. This is a violation of N.E.C. sec 800-53 (a)

Old, unused telephone and computer cable has built up to present a significant problem aesthetically and in ability to plan & control cable runs.

Both inappropriate (CMR) and obsolete cable should be removed and replaced. This work should be performed in conjunction with installation of new infrastructure (cable tray).

No photo available.

Actions

Action Name Remove obsolete telecomm cable

Option Conventional

Prime Action Yes

Description Remove and replace obsolete telecom. cable. This should be a part of a coordinated effort to provide a reliable pre-planned infrastructure for telephone.

Installation of a cable tray system above office ceilings is the recommended system for this existing building and existing conditions. Document PQ100.1discourages this in GSA buildings where avoidable. Other methods (e.g. raised floor) are practical when projects involve major building changes. If practical, this project should be included in such a total building improvement.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
260536200220	Cable tray, solid bottom, galvanized steel, 3" deep, 6" wide, to 15' elevation, incl fittings & supports	100.00	L.F.	27.30	2,730
271513132370	Telephone jack, eight pins	72.00	Ea.	25.95	1,868
271513135400	Unshielded twisted pair (UTP) cable, solid, plenum, #24, 2 pair, category 3	38.00	C.L.F.	78.42	2,980
271513137100	Unshielded twisted pair (UTP) cable, solid, plenum, #24, 4 pair, category 5	38.00	C.L.F.	145.03	5,511

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	Removal of 25 pair cable	10,000.00	L.F..	0.72	7,200
	Removal of Two pair cable (cat 3, cat 5, telephone. , etc.)	10,000.00	L.F..	0.19	1,900
				Subtotal:	**22,190**
				Adjustment Factor:	**1.3500**
				Grand Total:	**29,956**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Penetrations: Protect in Fire Separation Assemblies		
Requirement ID	REQ-3145	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	C1010 - Partitions	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	24,210

Requirement Description

Penetrations through fire resistance rated wall, partition, floor, ceiling or roof assemblies shall be protected to maintain the integrity of the fire barrier per BOCA section 714.0.

No photo available.

Actions

Action Name Penetrations

Option Conventional

Prime Action Yes

Description Protect penetrations in the fire separations assemblies as follows:
1. Walls and floors from ground level to basement level, electrical and telephone rooms, basement stairwell, corridor walls, janitorial areas, exterior walls, warehouse and storage walls.
2. Miscellaneous such as: upper level Men's and Women's toilets.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
015423704100	Scaffolding, steel tubular, regular, labor only to setup & dismantle, buillding ext, 6' -4" x 5' frames, 2 stories, excl. planks	15.00	C.S.F.	194.42	2,916
BRICJ	Bricklayers (JourneyMan)	40.00	hour	63.66	2,546
CARPJ	Carpenters (JourneyMan)	40.00	hour	64.81	2,592
	Allowance to Seal penetrations of fire rated assemblies, items 1 and 2 above.	1.00	Job	8,820.53	8,821
	Remove scaffold	15.00	C.S.F.	70.53	1,058
				Subtotal:	**17,934**
				Adjustment Factor:	**1.3500**
				Grand Total:	**24,210**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Restroom's Ventilation: Provide		
Requirement ID	REQ-1634	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D3040 - Distribution Systems	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	2,732

Requirement Description

At the time of inspection, restroom ventilation for the first floor unisex toilet was not observed. Building occupants reported foul odors in the restroom. Section 403.3 of the 1996 International Mechanical Code requires 75 CFM per water closet or urinal.

No photo available.

Actions

Action Name	Restroom's Exhaust
Option	Conventional
Prime Action	Yes
Description	Provide exhaust fan for first floor unisex restroom. Work to include new electrical service.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119251200	Selective demolition, saw cutting, masonry walls, brick, per inch of depth, hydraulic saw	24.00	L.F.	6.38	153
233113130110	Metal ductwork, fabricated rectangular, 100 to 500 lb., aluminum alloy 3003-H14, includes fittings, joints, supports and allow for a flexible connections field sketches, excludes as-built drawings and insulation	50.00	Lb.	23.81	1,190
233416107100	Fans, roof exhauster, centrifugal, aluminum housing, bird screen, back draft damper, direct drive, 1/4" S.P., 320 CFM, 12" galvanized curb, 11" sq. damper	0.25	Ea.	928.56	232
233715402020	Louver, aluminum, extruded, with screen, mill finish, cooling tower and mechanical equipment, screens, standard weight	1.00	S.F.	62.40	62
260519200150	Armored cable, copper, solid, 600 V, 2 conductor, #12, BX, exposed	0.75	C.L.F.	346.53	260
260533160150	Outlet boxes, pressed steel, 4" square	1.00	Ea.	35.14	35
260533160250	Outlet boxes, pressed steel, covers, blank, 4" square	1.00	Ea.	11.81	12
260533160560	Handy boxes, pressed steel, covers, device	1.00	Ea.	11.59	12

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
260533160652	Switch boxes, steel	1.00	Ea.	32.86	33
262726200500	Toggle switch, quiet type, single pole, 20 amp	1.00	Ea.	34.22	34
				Subtotal:	**2,024**
				Adjustment Factor:	**1.3500**
				Grand Total:	**2,732**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Rooftop outlets: Provide		
Requirement ID	REQ-3564	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D5010 - Electrical Service and Distribution	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	2,384

Requirement Description

No service outlets associated with HVAC equipment were observed at the time of inspection. The NEC sections 210-63 and 210-8 requires ground fault circuit interrupter (GFCI) receptacles located on roofs for servicing of mechanical equipment. Receptacles are required to be located at the same roof level as and within 25 feet of the mechanical equipment. GFCI outlets for rooftop A/C equipment areas should be added for maintenance.

No photo available.

Actions

Action Name	Install HVAC service outlets
Option	Conventional
Prime Action	Yes
Description	Install service outlets at two locations on the roof locations & mechanical room.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
260519901200	Wire, copper, stranded, 600 volt, #12, type THWN-THHN, in raceway	9.00	C.L.F.	77.32	696
260533140200	Electric metallic tubing, 1/2"diameter, to 15' high, includes 11 couplings per 100'	300.00	L.F.	1.92	576
260533161430	Outlet boxes, cast, 1 gang, FD, 3/4" hub, 2-11/16" deep	3.00	Ea.	75.52	227
262726202482	Duplex receptacle, ground fault interrupting, 20 amp	3.00	Ea.	68.90	207
262726203170	Switch cover, weatherproof, 1 gang	3.00	Ea.	20.24	61
				Subtotal:	**1,766**
				Adjustment Factor:	**1.3500**
				Grand Total:	**2,384**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Building Code

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Siamese Connection: Provide Covers		
Requirement ID	REQ-3269	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D4010 - Sprinklers	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	92

Requirement Description

The Siamese connection located outside the south side of the building did not have hose caps/thread caps installed; allowing debris to enter the Siamese connection.

No photo available.

Actions

Action Name	Siamese Connection
Option	Conventional
Prime Action	Yes
Description	Provide two caps on siamese connection located on south side of building.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	Allowance for Caps	1.00	L.S.	67.85	68
				Subtotal:	**68**
				Adjustment Factor:	**1.3500**
				Grand Total:	**92**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Building Code

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Sprinkler Backflow Prevention: Provide		
Requirement ID	REQ-2783	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D4010 - Sprinklers	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	17,240

Requirement Description

The 1999 Boca National Building Code section 2905.4.2 requires that domestic water systems serving sprinkler and standpipe systems be protected by a double check valve assembly or reduced pressure backflow preventer. Although exceptions are provided, they do not apply as the building is equipped with fire department connections. The 1997 International Plumbing Code 608.16.4 requires the same. The 6" sprinkler main entering in the first floor office area sprinkler room is not equipped with either a double check valve assembly or reduced pressure backflow preventer.

No photo available.

Actions

Action Name	Backflow Prevention
Option	Conventional
Prime Action	Yes
Description	Provide a double check valve assembly on the incoming sprinkler main in accordance with the afore mentioned Codes.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
221113232240	Pipe, copper, tubing, solder, 1-1/2" diameter, type L, includes coupling & clevis hanger assembly 10' O.C.	15.00	L.F.	28.04	421
221113480610	Pipe, fittings and valves, steel, black, grooved joint, 6" diameter, schedule 10, includes coupling & clevis type hanger 10' O.C.	15.00	L.F.	60.20	903
221119425120	Backflow preventer, reduced pressure principle, bronze, automatic operation, OS&Y valves, flanged, 6" pipe size, includes valves and four test cocks	1.00	Ea.	10,220.00	10,220
SPRIJ	Sprinkler Installers (JourneyMan)	16.00	hour	76.67	1,227
				Subtotal:	**12,770**
				Adjustment Factor:	**1.3500**
				Grand Total:	**17,240**

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Requirement Detail Report
By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Sprinkler Coverage: Provide Throughout Building		
Requirement ID	REQ-3305	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D4010 - Sprinklers	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	61,498

Requirement Description

The 1999 Boca National Building Code section 904.7, for group S: Throughout all buildings be equipped with an automatic sprinkler system. Per BOCA 1011.4, corridors in a business use group are required to be 1 hour fire resistance rated without a sprinkler system. With a full sprinkler system, the corridor walls do not have to be fire resistance rated but due to the construction type of the building they should be non combustible. Although the building contains sprinkler protection in most areas, coverage varies greatly as follow:

Lower self storage area 1,225 sq. ft. does not have sprinklers.
Basement area 2,000 sq. ft. does not have sprinklers.
Room # 101 (main office), storage closet does not have sprinkler.
Room # 106 (conf. Rm.), Telephone room does not have sprinkler.
Corridor 80 sq. ft. does not have sprinklers.
Women rest room on second floor does not have sprinkler head.

No photo available.

Actions

Action Name	Sprinkler Coverage
Option	Conventional
Prime Action	Yes
Description	Provide sprinkler coverage throughout, 100%, building. Non sprinkler areas have been identified in deficiency description.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
211313506000	Sprinkler system components, sprinkler head guards, bright zinc, 1/2" NPT, excludes supply piping	30.00	Ea.	6.27	188
221113440610	Pipe, steel, black, threaded, 2" diameter, schedule 40, Spec. A-53, includes coupling and clevis hanger assembly sized for covering, 10' OC	50.00	L.F.	27.77	1,388
221113441330	Pipe, steel, galvanized, threaded, 1", schedule 40, Spec. A-53, includes coupling and clevis hanger assembly sized for covering, 10' OC	100.00	L.F.	18.74	1,874
D40104101020	Wet pipe sprinkler systems, steel, ordinary hazard, 1 floor, 1000 SF	1,525.00	S.F.	17.54	13,374

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
D40104101040	Wet pipe sprinkler systems, steel, ordinary hazard, 1 floor, 2000 SF	2,000.00	S.F.	8.55	17,100
	Crew Q-13 (Sprinkler Foreman, 1Sprinkler Installers and Apprentice)	5.00	Ea.	2,325.85	11,629
				Subtotal:	**45,554**
				Adjustment Factor:	**1.3500**
				Grand Total:	**61,498**

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Requirement Detail Report
By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Stairs: Basement Stairwell Not Rated		
Requirement ID	REQ-3327	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	C20 - Stairs	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	47,296

Requirement Description

The existing basement stair system is not enclosed with a fire resistance rated construction per BOCA 1014.11. This stairway is the only means of access to and from the basement and is considered an exit stair. Presently the stairwell is enclosed with a combination of a ceiling high steel frame, glass window system and open stud and gypsum wall. No door was observed at the top of the stairwell enclosure. An old wood framed door is located at the bottom of the stairwell.

No photo available.

Actions

Action Name	Stairs not enclosed
Option	Conventional
Prime Action	Yes
Description	Remove existing wood ceiling and wall construction surrounding stairwell. Replace with proper Fire Separation Assembly construction. Provide two new fire rated door assemblies at the top and bottom of the stairwell.12.5

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
015423700090	Scaffolding, steel tubular, regular, labor only to erect & dismantle, building exterior, wall face, 6'-4" x 5' frames, 1 to 5 stories, excl. planks	13.00	C.S.F.	194.42	2,527
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	10.00	Ton	86.94	869
080505201040	Window demolition, steel, to 50 S.F., remove old mesh	8.00	Ea.	99.08	793
081213250100	Door frames, steel channels with anchors and bar stops, 6" channel@ 8.2 lb/LF, 3' x 7' door, weighs 150 lb	2.00	Ea.	468.96	938
081313150180	Doors, fire, steel, flush, "B" label, 90 minute, full panel, 18 ga., 3'-0" x 7'-0"	2.00	Ea.	614.36	1,229
081313150240	Doors, for vision lite, add	2.00	Ea.	170.57	341
087120306000	Door hardware, door closer-holder, hinge face mount,	2.00	Ea.	298.04	596

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	all sizes, exposed arm				
087120400500	Door hardware, lockset, standard duty, cylindrical, with sectional trim, lever handled, keyed, single cylinder function	2.00	Ea.	190.80	382
087120500020	Door hardware, doorstops, holder and bumper, floor or wall	2.00	Ea.	53.56	107
087120650800	Thresholds, rubber, 2-3/4" wide x 1/2" thick	6.00	Ea.	66.16	397
087120900012	Door hardware, hinges, full mortise, average frequency, steel base, USP, 4-1/2" x 4-1/2"	4.00	Pr.	39.72	159
087120950020	Door hardware, kick plate, stainless steel, .05", 16 ga, 8" x 28"	2.00	Ea.	74.98	150
090505301020	Walls and partitions demolition, drywall, two layers, glued and nailed	625.00	S.F.	0.41	256
092116337600	Partition wall, interior, fire & water resistant, 2 layers, 2 hour, taped both sides, installed on & incl.25 ga, NLB metal studs, 3-5/8" wide, 16" O.C., 8' to 12' high, 5/8" gypsum drywall	1,350.00	S.F.	5.65	7,628
092216132800	Metal stud partition, non-load bearing, galvanized, 10' high, 3-5/8" wide, 20 gauge, 16" O.C., includes top & bottom track	3,300.00	S.F.	1.67	5,511
092910302150	Gypsum wallboard, on walls, fire resistant, taped & finished (level 4 finish), 5/8" thick	825.00	S.F.	1.35	1,114
099123720840	Paints & coatings, walls & ceilings, interior, concrete, drywall or plaster, latex paint, 2 coats, smooth finish, roller	2,600.00	S.F.	0.65	1,690
CARPJ	Carpenters (JourneyMan)	120.00	hour	64.81	7,777
PORDJ	Painters, Ordinary (JourneyMan)	20.00	hour	54.50	1,090
	Remove scaffold	13.00	C.S.F.	70.53	917
				Subtotal:	**35,034**
				Adjustment Factor:	**1.3500**
				Grand Total:	**47,296**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Storm Leaders: Provide Support		
Requirement ID	REQ-4134	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	E1099 - Other Equipment	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	2,470

Requirement Description

Roof drain leaders discharge via 4" leaders that run vertically adjacent to warehouse columns. The PVC pipe that runs vertically was not properly supported causing the piping to "sag" at flexible connections.

No photo available.

Actions

Action Name	Storm Water Piping
Option	Conventional
Prime Action	Yes
Description	Provide proper support of roof drain leaders by providing pipe hangers securely attached to the adjacent building columns.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
050519200600	Anchor, expansion shield, zinc, 1/2" dia x 2-1/16" L, single, in concrete, brick or stone, excl layout & drilling	24.00	Ea.	9.38	225
220529102350	Pipe hanger / support, split ring, malleable iron, for non-insulated pipe, 4" pipe size, type number 11 per MSS-SP58	8.00	Ea.	26.37	211
220529102690	Pipe hanger / support, rods, carbon steel, continuous thread, 1/2" thread size	16.00	L.F.	7.48	120
PLUMJ	Plumbers (JourneyMan)	16.00	hour	79.60	1,274
				Subtotal:	**1,829**
				Adjustment Factor:	**1.3500**
				Grand Total:	**2,470**

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Requirement Detail Report
By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ

Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Utility Sink: Provide		
Requirement ID	REQ-4139	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D2010 - Plumbing Fixtures	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	11,026

Requirement Description

At the time of inspection a utility sink was not observed in the building. Per the 1997 International Plumbing Code table 403.1, a service sink is required. In addition, per the 1996 International Mechanical Code, 75 CFM per closet is required for ventilation.

No photo available.

Actions

Action Name Slop Sink

Option Conventional

Prime Action Yes

Description Provide utility sink in first floor janitorial closet located adjacent to the main entrance. Plumbing and mechanical work to include addition of utility sink, connection to building sanitary and domestic water infrastructure and new exhaust fan.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
220523201450	Valves, bronze, ball, 150 psi, 1/2", threaded	2.00	Ea.	44.28	89
220523201460	Valves, bronze, ball, 150 psi, 3/4", threaded	1.00	Ea.	57.07	57
221113232140	Pipe, copper, tubing, solder, 1/2" diameter, type L, includes coupling & clevis hanger assembly 10' O.C.	40.00	L.F.	11.58	463
221113232180	Pipe, copper, tubing, solder, 3/4" diameter, type L, includes coupling & clevis hanger assembly 10' O.C.	20.00	L.F.	14.05	281
221316203020	Pipe, cast iron soil, single hub, service weight, 3" diameter, push-on gasket joints 10' OC, includes clevis hanger assemblies 5' O.C.	25.00	L.F.	33.83	846
221316304330	Reducer, cast iron soil, hub and spigot, service weight, 6" x 3", gasket joint, includes gaskets	1.00	Ea.	172.20	172
221316304640	Y, cast iron soil, hub and spigot, service weight, 6", gasket joint, includes gaskets	1.00	Ea.	370.17	370
221316603170	Traps, cast iron, service weight, P trap, no-hub, 3" pipe size	1.00	Ea.	122.11	122
224216407100	Sink, service, wall, porcelain enamel on cast iron, roll	1.00	Ea.	1,205.37	1,205

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	rim, 24" x 20", includes faucet and drain				
224216409000	Sink, minimum labor/equipment charge	1.00	Job	286.87	287
233313163260	Duct accessories, fire damper, curtain type, vertical, 24" x 14", U.L. label, 1-1/2 hour rated	1.00	Ea.	108.76	109
233313251138	Duct accessories, exhaust vent damper, automatic, opposed blade, 18" x 8", includes electric actuator	1.00	Ea.	119.87	120
233423106100	Fans, propeller exhaust, wall shutter, direct drive, .075" S.P., one speed, 653 CFM, 1/30 H.P.	0.50	Ea.	339.24	170
233713605180	Register, air return, ceiling or wall, fixed face blades, anodized aluminum, 45 Deg., 12" x 18", includes adjustable opposed blade damper	1.00	Ea.	62.24	62
233715402020	Louver, aluminum, extruded, with screen, mill finish, cooling tower and mechanical equipment, screens, standard weight	1.00	S.F.	62.40	62
260519900100	Wire, copper, stranded, 600 volt, #12, type THW, in raceway	1.00	C.L.F.	75.91	76
260533135000	Electric metallic tubing (EMT), 1/2" diameter, to 15' high, incl 2 terminations, 2 field bend elbows, 11 beam clamps, and 11 couplings per 100 LF	30.00	L.F.	4.49	135
260533160150	Outlet boxes, pressed steel, 4" square	1.00	Ea.	35.14	35
260533160250	Outlet boxes, pressed steel, covers, blank, 4" square	1.00	Ea.	11.81	12
260533160650	Switch boxes, pressed steel	1.00	Ea.	29.82	30
262726200500	Toggle switch, quiet type, single pole, 20 amp	1.00	Ea.	34.22	34
PLUHJ	Plumber Helpers (JourneyMan)	24.00	hour	63.34	1,520
PLUMJ	Plumbers (JourneyMan)	24.00	hour	79.60	1,910
				Subtotal:	**8,167**
				Adjustment Factor:	**1.3500**
				Grand Total:	**11,026**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Building Code

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Vacuum breakers: Provide		
Requirement ID	REQ-3268	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D2020 - Domestic Water Distribution	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	267

Requirement Description

At the time of inspection hose bibs located at columns in the warehouse area were observed without vacuum breakers. The 1997 International Plumbing Code section 608.15.4.2 requires that hose connection be protected by an atmospheric-type or pressure - type vacuum breaker.

No photo available.

Actions

Action Name	Hose Bib
Option	Conventional
Prime Action	Yes
Description	Install three new vacuum breakers, on existing hose bibs.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
221119641240	Hydrant, wall type, non-freeze, bronze, exposed, for 3/4" adapter type vacuum breaker, add	3.00	Ea.	66.00	198
				Subtotal:	**198**
				Adjustment Factor:	**1.3500**
				Grand Total:	**267**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Vent Stacks: Extend		
Requirement ID	REQ-3178	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	D2010 - Plumbing Fixtures	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Shah	Estimated Cost	607

Requirement Description

Three vent stacks located on the roof of this building extended 7" above the roof line. The 1997 International Plumbing Code section 904.1 requires that they extend a minimum of 12".

No photo available.

Actions

Action Name	Vents
Option	Conventional
Prime Action	Yes
Description	Extend vent stacks in order to comply with the referenced Code.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
221316203020	Pipe, cast iron soil, single hub, service weight, 3" diameter, push-on gasket joints 10' OC, includes clevis hanger assemblies 5' O.C.	1.00	L.F.	33.83	34
221316203050	Pipe, cast iron soil, single hub, service weight, 6" diameter, push-on gasket joints 10' OC, includes clevis hanger assemblies 5' O.C.	1.00	L.F.	58.45	58
221316304960	Gasket and making push-on joint, cast iron soil, hub and spigot, 3", gasket joint, includes gasket	1.00	Ea.	46.21	46
221316304990	Gasket and making push-on joint, cast iron soil, hub and spigot, 6", gasket joint, includes gasket	1.00	Ea.	72.12	72
PLUMJ	Plumbers (JourneyMan)	3.00	hour	79.60	239
				Subtotal:	**449**
				Adjustment Factor:	**1.3500**
				Grand Total:	**607**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Building Code
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Wall Surfaces: Repair Drywall		
Requirement ID	REQ-2964	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Building Code	Finish Date	
Prime System	C3010 - Wall Finishes	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	12,270

Requirement Description

Some of the gypsum wallboard surfaces within the building are damaged, missing or the finish paint is peeling in the following spaces: Sprinkler riser room, coat closet, telephone/data closet, back wall in tool room, upper men's room at the ceiling, and the roof access room within the upper women's restroom. All these areas need repair or replacement to ensure the buildings integrity and any fire separation code requirements. All penetrations to be sealed to comply with the Fire Separation Assemblies codes.

No photo available.

Actions

Action Name	Repair Drywall
Option	Conventional
Prime Action	Yes
Description	Repair, replace or add gypsum wallboard in areas indicated.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
092910302150	Gypsum wallboard, on walls, fire resistant, taped & finished (level 4 finish), 5/8" thick	750.00	S.F.	1.35	1,012
092910303150	Gypsum wallboard, on ceilings, fire resistant, taped & finished (level 4 finish), 5/8" thick	100.00	S.F.	1.59	159
099123720840	Paints & coatings, walls & ceilings, interior, concrete, drywall or plaster, latex paint, 2 coats, smooth finish, roller	850.00	S.F.	0.65	552
CARPJ	Carpenters (JourneyMan)	80.00	hour	64.81	5,185
PORDJ	Painters, Ordinary (JourneyMan)	40.00	hour	54.50	2,180
				Subtotal:	**9,089**
				Adjustment Factor:	**1.3500**
				Grand Total:	**12,270**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Energy
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Exterior Doors: Install Overhead Door Heaters		
Requirement ID	REQ-3364	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Energy	Finish Date	
Prime System	D3060 - Controls and Instrumentation	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Shah	Estimated Cost	75,284

Requirement Description

At the time of inspection building personnel reported that during winter months the warehouse was cold due to overhead doors being kept open in the normal course of everyday operations. Seeing as how there are 5 large overhead doors in the warehouse, it would be prudent to provide overhead door heaters to alleviate the uncomfortable temperature conditions and to conserve energy. This project should coincide with the 'Overhead Door Replacement' deficiency.

No photo available.

Actions

Action Name	Overhead door heaters
Option	Conventional
Prime Action	Yes
Description	Provide five natural gas overhead door heaters at the overhead doors in the warehouse. Work to include connection to existing gas infrastructure and new electrical service to overhead door heaters.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	0.10	Ton	86.94	9
221113440570	Pipe, steel, black, threaded, 3/4" diameter, schedule 40, Spec. A-53, includes coupling and clevis hanger assembly sized for covering, 10' OC	200.00	L.F.	13.94	2,788
221113440580	Pipe, steel, black, threaded, 1" diameter, schedule 40, Spec. A-53, includes coupling and clevis hanger assembly sized for covering, 10' OC	200.00	L.F.	17.13	3,426
221119102240	Flexible connectors, corrugated, water, copper tubing, dielectric separators, 7/8" OD x 1/2" ID, 18" long	5.00	Ea.	40.81	204
262413400180	Circuit breakers, 3 pole, 240 V, 15 to 60 amp, FA frame, for feeder section	1.00	Ea.	530.35	530
262816200100	Safety switches, general duty, 3 pole, fusible, 240 volt, 30 amp, NEMA 1	5.00	Ea.	301.97	1,510

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
D50201550200	Motor feeder systems, single phase, feed up to 115 V 1 HP or 230 V 2 HP	200.00	L.F.	9.99	1,998
PLUHJ	Plumber Helpers (JourneyMan)	16.00	hour	63.34	1,013
PLUMJ	Plumbers (JourneyMan)	16.00	hour	79.60	1,274
	Gas fire door Heaters	5.00	Ea.	8,602.86	43,014
				Subtotal:	**55,766**
				Adjustment Factor:	**1.3500**
				Grand Total:	**75,284**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Energy
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Exterior Doors: Replace Overhead Doors		
Requirement ID	REQ-1283	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Energy	Finish Date	
Prime System	B2020 - Exterior Windows	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	45,684

Requirement Description

The existing exterior overhead roll-up doors are old and antiquated. Building manager reports various problems such as leaking, difficulty in operating and some deterioration. The weather stripping has deteriorated in some instances. These doors should be considered for replacement with a more efficient operating unit.

No photo available.

Actions

Action Name Overhead Door Replacement

Option Conventional

Prime Action Yes

Description Replace four (4) overhead doors at exterior locations. Repair or rest concrete aprons where necessary for proper seal at closure of door. Provide an interior low-grade ramp for overhead door at the West Side storage area. Provide all associated electrical to complete the installation of doors. Coordinate with the recommended addition of overhead door heaters.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	3.00	Ton	86.94	261
080505103400	Door demolition, special doors, overhead, commercial, 12' x 12' high, remove	4.00	Ea.	247.91	992
B20302205150	Door, steel, overhead, rolling, electric operator, 12'-0" x 12'-0" opening	2.00	Opng.	4,536.39	9,073
B20302205200	Door, steel, overhead, rolling, electric operator, 14'-0" x 14'-0" opening	2.00	Opng.	6,349.71	12,699
CARPJ	Carpenters (JourneyMan)	80.00	hour	64.81	5,185

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
ELECJ	Electricians (JourneyMan)	40.00	hour	73.14	2,926
PSSTJ	Painters, Structural Steel (JourneyMan)	32.00	hour	66.91	2,141
				Subtotal:	**33,840**
				Adjustment Factor:	**1.3500**
				Grand Total:	**45,684**

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Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Energy
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Lighting: Inefficient		
Requirement ID	REQ-3388	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Energy	Finish Date	
Prime System	D5020 - Lighting and Branch Wiring	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	263,850

Requirement Description

Lighting in this building consists mostly of 2 types of fixtures, 2x2 troffers mounted in grids in offices and strip fixtures hanging in all warehouse & other space. Based on observations where lamps could be seen, it is estimated that all were fluorescent fixtures utilizing T12 lamps and magnetic ballasts.

The use of T12 lamps and magnetic ballasts does not represent current energy efficient standards. The lighting levels and wide variety in fixture types are not consistent with GSA guidelines which call for 600mmx 600mm or 600mmx1200mm fixtures with T8 or CFL lamps and electronic ballasts and lighting levels of 500 lux.

No photo available.

Actions

Action Name Replace lighting

Option Conventional

Prime Action Yes

Description Replace existing 2x4 troffer lighting in all of the office portion of building with T8 lamps and electronic ballasts. (5056 Square Feet).

Replace existing strip fixtures with new high bay metal halide lighting in all of the warehouse portion of building at 20' & 14' as to align with bottom cord of steel trusses. (25624 Square Feet)

Install new strip lighting with T8 lamps and electronic ballasts in all of the other portions of building (i.e.. basement, mechanical, hallways, etc.) which is presently equipped with T12 lamps and magnetic ballasts. (4242 Square Feet)

The new installations will reflect the guidelines of document PQ100.1. These standards call for similarity of fixtures, T8 fluorescent lamps, electronic ballasts, and light levels of 500/300/200 lux.

Branch circuit wiring to feed fixtures is included.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
260505100200	Conduit, electric metallic tubing (EMT), 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	2,000.00	L.F.	1.66	3,320
260505100290	Armored cable, (BX), #14, 3 wire, average 50' runs, electrical demolition, remove	500.00	L.F.	1.15	575

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
260505102100	Fluorescent fixtures, interior, 2 lamp, 2' x 2', electrical demolition, remove, recessed drop-in, to 15' high, including supports & whips	50.00	Ea.	37.45	1,872
260505102340	Fluorescent fixtures, interior, strip fixture, 2 lamp, 4' long, electrical demolition, remove, surface mount, to 15' high, including supports & whips	360.00	Ea.	26.22	9,439
D50202081640	Fluorescent fixtures, type D, 12 fixtures per 600 SF	4,242.00	S.F.	12.59	53,407
D50202100320	Fluorescent fixtures recess mounted in ceiling, 4 watt per SF, 80 FC, 20 fixtures @40 watt per 1000 SF	5,056.00	S.F.	10.54	53,290
D50202300280	HID fixture, 20' above work plane, 1 watt/SF, type G, 50 FC, 1 fixtures per 1000 SF	25,624.00	S.F.	5.74	73,541
				Subtotal:	**195,445**
				Adjustment Factor:	**1.3500**
				Grand Total:	**263,850**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Environmental
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Abandoned Oil Tank: Remove		
Requirement ID	REQ-2374	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Environmental	Finish Date	
Prime System	E1099 - Other Equipment	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	9,482

Requirement Description

At the time of inspection and abandoned, approx. 2,000 gallon oil tank, was observed buried above grade in a sand enclosure. The exact state of the tank could not be determined. It is uncertain if the tank still contains oil. From an environmental standpoint, the tank should be further investigated, drained as necessary and removed completely as the boiler which it use to serve is no longer present in the building..

No photo available.

Actions

Action Name Oil Tank

Option Conventional

Prime Action Yes

Description It is recommended that the oil to be pumped out, as necessary, and disposed of appropriately. In addition, it is recommended that the block enclosure around the tank be removed, sand removed and tank disposed of. All work to be performed in accordance with local and Federal environmental regulations.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
013113200160	Field personnel, general purpose laborer, average	1.00	Week	2,187.00	2,187
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	4.00	Ton	86.94	348
026510300110	Removal of underground storage tanks, petroleum storage tanks, non-leaking, excavate and load onto trailer, 3000 - 5000 gallon tank	1.00	Ea.	746.36	746
026510301111	Removal of underground storage tanks, petroleum storage tanks, non-leaking, disposal of contaminated soil to landfill, maximum	6.00	C.Y.	427.68	2,566

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
050521100200	Cutting, steel, to 1" thick, by hand, incl prep, torch cutting & grinding, excl staging	60.00	L.F.	4.93	296
090505300280	Walls and partitions demolition, concrete block, 8" thick, remove damaged blocks	160.00	S.F.	1.98	317
				Subtotal:	**7,024**
				Adjustment Factor:	**1.3500**
				Grand Total:	**9,482**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Functionality
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Abandoned Exhaust System: Remove		
Requirement ID	REQ-2305	Action Date	Jan 19, 2007
Linked System		Date Inspected	Jan 19, 2004
Category	Functionality	Finish Date	
Prime System	E1099 - Other Equipment	Status	Open
Priority	3 - Within 3 to 5 Years	Actual Cost	0
Inspector	Shah	Estimated Cost	785

Requirement Description

At the time of inspection an abandoned garage exhaust system was observed along the east side of the warehouse just below the trusses.

No photo available.

Actions

Action Name	Remove exhaust system
Option	Conventional
Prime Action	Yes
Description	It is recommended that the exhaust system be removed including electrical disconnection and abandoned duct work.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
230505101020	Air conditioner, ductwork, rigid, 4" x 10", selective demolition	100.00	L.F.	2.21	221
230505103000	HVAC, mechanical equipment, light items; unit is weight, not cooling, selective demolition	0.15	Ton	1,313.23	197
260505109000	Electrical demolition, minimum labor/equipment charge	1.00	Job	163.85	164
				Subtotal:	**582**
				Adjustment Factor:	**1.3500**
				Grand Total:	**785**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Functionality

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Disconnect Switches: Replace		
Requirement ID	REQ-2200	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Functionality	Finish Date	
Prime System	D5010 - Electrical Service and Distribution	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	3,982

Requirement Description

The six disconnect switches located on and serving the six rooftop heat pumps are showing signs of corrosion and should be replaced to ensure the continued service of the heat pumps.

No photo available.

Actions

Action Name	Replace switches
Option	Conventional
Prime Action	Yes
Description	Replace rusting disconnect switches.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
262816204510	Safety switches, heavy duty, 3 pole, fusible, 240 volt, 30 amp, NEMA 3R	6.00	Ea.	491.59	2,950
				Subtotal:	**2,950**
				Adjustment Factor:	**1.3500**
				Grand Total:	**3,982**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Functionality

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Exterior Walls: Provide Expansion Joints		
Requirement ID	REQ-3342	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Functionality	Finish Date	
Prime System	B2010 - Exterior Walls	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	1,756

Requirement Description

The 49th and L street building was built without the installation of expansion or control joints on the brick exterior walls. The recommendation is to add expansion joints during the cut and point process of the brick exterior walls to avoid potential heaving of the exterior facade.

No photo available.

Actions

Action Name	Exterior Walls: Add Expansion Joints
Option	Conventional
Prime Action	Yes
Description	Provide new expansion joints at exterior brick wall locations. Utilize staging already in place for "Cut & Point" project of brick facade.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
079123100090	Pre-formed joint seals, backer rod, polyethylene, 1" dia	2.86	C.L.F.	113.86	326
079213203900	Joint sealants, caulking and sealants, polyurethane, bulk, in place, 1 or 2 component, 1" x 1/2"	286.00	L.F.	3.41	975
				Subtotal:	**1,301**
				Adjustment Factor:	**1.3500**
				Grand Total:	**1,756**

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Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Functionality
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Fire alarm system: Replace Aged System		
Requirement ID	REQ-3073	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Functionality	Finish Date	
Prime System	D5030 - Communications and Security	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	46,787

Requirement Description

The existing fire alarm system seems to be in operating condition, but is overextended due to the size of the building and number of zones. It is also at the end of its reliable life & devices are beyond life & do not meet NFPA and ADA requirements for visual and audible intensities.

No photo available.

Actions

Action Name Install new fire alarm system

Option Conventional

Prime Action Yes

Description Install a new addressable fire alarm system including new initiating devices where needed to replace extremely old existing devices. Existing alarm devices are beyond life expectancy.

The quantity and distribution of existing fire alarm audible only and audible/visual devices does not provide sufficient visual coverage in accordance with the American with Disabilities Act (ADA section 4.28.1) and the NFPA 72 National Fire Code requirements.

Areas such as common use areas where not currently installed, require visual notification where the direct or indirect viewing of corridor visual devices is not possible. Also, areas such as mechanical rooms where relatively high ambient noise levels occur and where audibility of nearby devices within the areas is suspect, should be provided with combination audible/visual units. Additional fire alarm visual devices should be provided in bathrooms & in conference rooms as required. The addition of new compliant audible/visual devices is required to assure complete building evacuation in the event of a fire condition.

It was noted that there were few audio & no visual alarm units The reconfigure of office space & paths of egress change should be reviewed. Audio/visual devices are to be placed 80" above the highest floor level within the space or 6" below the ceiling, whichever is lower per ADA requirements.

NFPA section 7-6.2.3 states that a manual fire alarm station shall be provided in the natural path of escape near each required exit from an area. Also that they be mounted at a maximum height of 48" as per ADA requirements.

Install alarm initiating device such as pull stations, smoke detectors, heat detectors and flow switches as per NFPA & ADA requirements.

All junction boxes, pull box covers, etc for fire alarm should be identified (Painted Red). NEC 760-10.

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Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
260505100100	Conduit, rigid galvanized steel, 1/2" to 1" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	350.00	L.F.	2.71	948
260533140220	Electric metallic tubing, 3/4" diameter, to 15' high, includes 11 couplings per 100'	1,400.00	L.F.	3.35	4,690
260533160150	Outlet boxes, pressed steel, 4" square	50.00	Ea.	35.14	1,757
260533160250	Outlet boxes, pressed steel, covers, blank, 4" square	50.00	Ea.	11.81	590
280513231900	Fire alarm cable, FEP teflon, 150 volt, to 200 Deg.C, #18, 2 pair	15.00	C.L.F.	246.30	3,694
283123504160	Detection system, fire alarm control panel, addressable without voice, up to 200 points, excluding wires & conduits	1.00	Ea.	5,967.38	5,967
283123504175	Detection system, fire alarm control panel, addressable interface device, excluding wires & conduits	7.00	Ea.	233.00	1,631
283123504200	Detection system, fire alarm control panel, battery & rack, excluding wires & conduits	1.00	Ea.	608.14	608
283123504400	Detection system, fire alarm control panel, battery & rack, automatic charger, excluding wires & conduits	1.00	Ea.	716.57	717
283123504800	Detection system, signal bell for fire alarm, trouble buzzer or manual station, excluding wires & conduits	16.00	Ea.	169.32	2,709
283123505610	Detection system, strobe & horn, ADA type, excluding wires & conduits	24.00	Ea.	284.70	6,833
283146505420	Detection system, smoke detector, duct type, addressable, excl. wires & conduit	6.00	Ea.	751.93	4,512
				Subtotal:	**34,657**
				Adjustment Factor:	**1.3500**
				Grand Total:	**46,787**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Functionality
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Flooring: Replace Carpeting		
Requirement ID	REQ-2901	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Functionality	Finish Date	
Prime System	C3020 - Floor Finishes	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	60,742

Requirement Description

The carpet in the Staff offices, Conference room and upper restrooms is in poor condition due to age, wear, staining, and possible poor installation. The carpet has outlived its life expectancy and should be replaced.

No photo available.

Actions

Action Name	Carpet replacement
Option	Conventional
Prime Action	Yes
Description	Replace carpet in all office areas, conference room and upper restroom areas.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119190800	Selective demolition, rubbish handling, dumpster, 30 C.Y., 7 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	857.60	858
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	12.00	Ton	86.94	1,043
090505200400	Flooring demolition, carpet, bonded, includes surface scraping	3,200.00	S.F.	0.37	1,184
096513131150	Wall base, rubber corners, standard colors, 2 1/2" high, 1/8" thick	600.00	Ea.	3.45	2,070
096816103100	Carpet, commercial grades, direct cement, nylon, plush, 42 oz., medium to heavy traffic	355.00	S.Y.	57.99	20,586
102219435550	Partitions, excludes doors; do not deduct door openings from total LF, for acoustical type, add, maximum	1,100.00	S.F.	11.88	13,068
CARPJ	Carpenters (JourneyMan)	32.00	hour	64.81	2,074

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
ELECJ	Electricians (JourneyMan)	32.00	hour	73.14	2,340
	Walls & partitions demo, remove demountable partitions for reuse	200.00	L.F.	8.85	1,770
				Subtotal:	**44,994**
				Adjustment Factor:	**1.3500**
				Grand Total:	**60,742**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Functionality
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Gutter: Replace		
Requirement ID	REQ-2306	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Functionality	Finish Date	
Prime System	E1099 - Other Equipment	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Shah	Estimated Cost	285

Requirement Description

At the time of inspection a damaged gutter and leader were observed along the south side of the building "bump-out".

No photo available.

Actions

Action Name	Gutters
Option	Conventional
Prime Action	Yes
Description	It is recommended that the gutter and leader indicated be replaced. Work to include splash block and gutter guard.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
077123100400	Aluminum downspouts, enameled, 3" x 4", .024" thick	10.00	L.F.	7.35	74
077123300012	Aluminum gutters, stock units, plain, 5" box, .027" thick	10.00	L.F.	7.54	75
077123350100	Gutter guard, vinyl mesh, 6" wide	10.00	L.F.	3.51	35
	Allowance for Splash Block	1.00	Ea.	27.15	27
				Subtotal:	**211**
				Adjustment Factor:	**1.3500**
				Grand Total:	**285**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ

Category: Functionality
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Intercom/PA/CCTV/TV system: Replace		
Requirement ID	REQ-2202	Action Date	Jan 19, 2007
Linked System		Date Inspected	Jan 19, 2004
Category	Functionality	Finish Date	
Prime System	D5030 - Communications and Security	Status	Open
Priority	3 - Within 3 to 5 Years	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	67,857

Requirement Description

The Intercom/PA/CCTV/TV system installed is a Nutone residential system installed in wooden boxes with wires hanging out of the ceiling to speakers and master controls. The system is inadequate for use and is installed incorrectly. The antenna systems wiring does not conform and equipment is falling apart, the antenna support is damaging the roof. In addition, remnants of an abandoned CCTV exists & should be removed.

No photo available.

Actions

Action Name	New intercom, PA, music, TV system
Option	Conventional
Prime Action	Yes
Description	Install new intercom PA system. Install new TV System & remove old antenna on roof. Remove old CCTV system remnants.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
D50309100600	Communication and alarm systems, includes outlets, boxes, conduit and wire, intercom systems, 50 stations	0.60	Ea.	65,733.52	39,440
D50309100920	Communication and alarm systems, includes outlets, boxes, conduit and wire, master TV antenna systems, 6 outlets	1.00	Ea.	8,483.61	8,484
ELECJ	Electricians (JourneyMan)	32.00	hour	73.14	2,340
				Subtotal:	**50,264**
				Adjustment Factor:	**1.3500**
				Grand Total:	**67,857**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Functionality
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Interior Doors: Replace Basement Doors		
Requirement ID	REQ-3325	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Functionality	Finish Date	
Prime System	C1020 - Interior Doors	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	17,787

Requirement Description

The basement doors consist of solid wood frames and doors. These doors are antiquated, operate poorly and show signs of deterioration. These doors are to be replaced for better functionality.

No photo available.

Actions

Action Name Replace Doors

Option Conventional

Prime Action Yes

Description Replace existing wood framed doors and associated hardware for the following locations:
1. Single 36" door under stairs, and single 36" door into file storage room.
2. Double 30" door system into "Boiler Room"

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	1.00	Ton	86.94	87
080505102200	Door demolition, door frames, wood, remove	4.00	Ea.	30.99	124
081313130040	Doors, hollow metal, commercial, steel, flush, full panel, hollow core, 1-3/8" thick, 20 ga., 2'-8" x 6'-8"	2.00	Ea.	437.97	876
081313130060	Doors, hollow metal, commercial, steel, flush, full panel, hollow core, 1-3/8" thick, 20 ga., 3'-0" x 6'-8"	2.00	Ea.	441.22	882
087120100020	Door hardware, bolts, flush, standard, concealed	1.00	Ea.	96.76	97
087120152600	Door hardware, school, single, classroom, ANSI F88, incl. lever	3.00	Door	1,163.76	3,491
087120306000	Door hardware, door closer-holder, hinge face mount, all sizes, exposed arm	4.00	Ea.	298.04	1,192

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
087120400500	Door hardware, lockset, standard duty, cylindrical, with sectional trim, lever handled, keyed, single cylinder function	4.00	Ea.	190.80	763
087120500020	Door hardware, doorstops, holder and bumper, floor or wall	4.00	Ea.	53.56	214
087120650800	Thresholds, rubber, 2-3/4" wide x 1/2" thick	11.00	Ea.	66.16	728
087120900040	Door hardware, hinges, full mortise, average frequency, steel base, US26D, 4-1/2" x 4-1/2"	8.00	Pr.	71.71	574
087120950020	Door hardware, kick plate, stainless steel, .05", 16 ga, 8" x 28"	6.00	Ea.	74.98	450
CARPJ	Carpenters (JourneyMan)	32.00	hour	64.81	2,074
PORDJ	Painters, Ordinary (JourneyMan)	16.00	hour	54.50	872
	Prepare door for finish	4.00	Ea.	46.89	188
				Subtotal:	**13,176**
				Adjustment Factor:	**1.3500**
				Grand Total:	**17,787**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Functionality

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Trench Drain Grating: Damaged		
Requirement ID	REQ-3288	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Functionality	Finish Date	
Prime System	D2030 - Sanitary Waste	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Shah	Estimated Cost	31,822

Requirement Description

At the time of inspection 40 - 14" wide x 24" long floor trench steel grating sections were observed broken and bent in warehouse.

No photo available.

Actions

Action Name	Floor trench steel grating
Option	Conventional
Prime Action	Yes
Description	Remove the broken and bent floor steel gratings and replace with new as required.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
055413700020	Trench cover, cast iron grating with bar stops and angle frame, to 18" W, field fabricated	80.00	L.F.	294.65	23,572
				Subtotal:	**23,572**
				Adjustment Factor:	**1.3500**
				Grand Total:	**31,822**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Integrity
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Chimney: Remove Brick Chimneys		
Requirement ID	REQ-3280	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Integrity	Finish Date	
Prime System	B10 - Superstructure	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	36,449

Requirement Description

There are two brick chimneys associated with this structure. Both are no longer used for the purpose of mechanical boiler exhaust as they were intended for and are abandoned in place. Bricks are loose and missing in areas and there is no lightning protection installed as required. These structures now pose a safety hazard and are costly from a maintenance standpoint. With the possibility of the roof being replaced, as these chimneys serve no function nor are they vital to the facility, it is recommended they be removed and the roof deck be patched prior to any roof replacement project.

No photo available.

Actions

Action Name	Remove Chimneys
Option	Conventional
Prime Action	Yes
Description	Remove two brick and concrete chimneys. Repair roof deck where chimneys were located. This project should be completed in conjunction with the roof replacement project.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
015433601800C	Rent crane truck mount, cable 8x4 drive 30 ton, 10' radius (Crew)	4.00	Ea.	1,025.00	4,100
015433602500C	Rent crane truck mounted, hydraulic, 25 ton capacity (Crew)	4.00	Ea.	683.15	2,733
015433603100C	Rent crane self-propelled, 4x4 telescoping boom 25 ton (Crew)	4.00	Ea.	556.20	2,225
024119180400	Selective demolition, disposal only, urban buildings with salvage value allowed, masonry construction, includes loading and 5 mile haul to dump	26.00	C.Y.	12.09	314
024119190800	Selective demolition, rubbish handling, dumpster, 30 C.Y., 7 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	857.60	858
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	10.00	Ton	86.94	869

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
031113352250	C.I.P. concrete forms, elevated slab, flat slab with drop panels, 15' to 20' high ceilings, 4 use, includes shoring, erecting, bracing, stripping and cleaning	60.00	S.F.	8.12	487
033053403150	Structural concrete, in place, elevated slab (4000 psi), 4" slab, concrete (Portland cement Type I), placing and finishing, excl forms, reinforcing	60.00	S.F.	3.29	197
040505105020	Selective demolition, masonry, veneers, brick, hard mortar, remove	3,165.00	S.F.	2.92	9,242
EQHVJ	Equipment Operators, Crane or Shovel (JourneyMan)	32.00	hour	69.80	2,234
EQOLJ	Equipment Operators, Oilers (JourneyMan)	32.00	hour	60.46	1,935
WRCKJ	*Wrecking (JourneyMan)	32.00	hour	56.43	1,806
				Subtotal:	**26,999**
				Adjustment Factor:	**1.3500**
				Grand Total:	**36,449**

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Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Integrity
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Electrical switchboards: obsolete & deteriorated		
Requirement ID	REQ-3747	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Integrity	Finish Date	
Prime System	D5010 - Electrical Service and Distribution	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	149,710

Requirement Description

The entire main 208 volt service, meter, CT cabinet, switchboards and most distribution, primarily located in the basement mechanical room, are believed to be beyond their reliable life. The conditions observed shows rusting of boxes, piping & switchgear beyond the support of internal parts & rusting boxes completely through the metal. Some service wiring insulation is deteriorated to the point of almost no insulating value. Plans should be established to replace them ASAP.

No photo available.

Actions

Action Name	Replace service & distribution
Option	Conventional
Prime Action	Yes
Description	Replace entire service. Replace distribution FPE panels, feeders & conduits. Reuse 4 newer Square D Panelboards & feeders & rebalance loads for entire building.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
013113200120	Field personnel, field engineer, average	2.00	Week	2,041.20	4,082
013113200160	Field personnel, general purpose laborer, average	2.00	Week	2,187.00	4,374
024116130605	Building demolition, small buildings or single buildings, concrete, plain, includes 20 mile haul, excludes salvage, foundation demolition or dump fees	15.00	C.Y.	143.57	2,154
260505100120	Conduit, rigid galvanized steel, 1-1/4" to 2" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	500.00	L.F.	3.28	1,640
260505100140	Conduit, rigid galvanized steel, 2-1/2" to 3-1/2" diameter, electrical demolition, remove conduit to 15' high, including fittings & hangers	150.00	L.F.	4.34	651
260505101270	Panelboards, 4 wire, 120/208 V, 200 amp, to 42 circuits, electrical demolition, remove, including removal of all breakers, conduit terminations & wire connections	3.00	Ea.	546.17	1,639
260526802200	Water pipe ground clamps, heavy duty, bronze, 2-1/2" to	2.00	Ea.	164.59	329

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	3" diameter				
260526803800	Insulated ground wire, copper, stranded, 2/0	1.00	C.L.F.	587.51	588
260526805130	Copper Electrolytic ground rod system, straight vertical type, 2" diameter, 8.5' long, incl exothermic weld connection	1.00	Ea.	1,194.68	1,195
262416301000	Panelboards, 3 phase 4 wire, main lugs, 120/208 V, 225 amp, 42 circuits, NQOD, incl 20 A 1 pole plug-in breakers	4.00	Ea.	3,452.77	13,811
D50101200360	Overhead service installation, includes breakers, metering, 20' conduit & wire, 3 phase, 4 wire, 120/208 V, 600 A	1.00	Ea.	10,444.14	10,444
D50102300280	Feeder installation 600 V, including RGS conduit and XHHW wire, 200 A	500.00	L.F.	49.29	24,645
D50102300360	Feeder installation 600 V, including RGS conduit and XHHW wire, 600 A	150.00	L.F.	170.44	25,566
D50102400240	Switchgear installation, incl switchboard, panels & circuit breaker, 120/208 V, 600 A	1.00	Ea.	13,928.29	13,928
ELECJ	Electricians (JourneyMan)	80.00	hour	73.14	5,851
				Subtotal:	**110,897**
				Adjustment Factor:	**1.3500**
				Grand Total:	**149,710**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Integrity
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Exterior Walls: Cut and Point Brick Facade		
Requirement ID	REQ-3983	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Integrity	Finish Date	
Prime System	B2010 - Exterior Walls	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	422,727

Requirement Description

The brick facade is in deteriorating condition from the roof parapet walls to the grade elevation. It is evident that over the years many alterations have been done to the buildings exterior walls and the choice of brick for patching and replacement has been poor. There are loose and missing bricks at the parapets. There is spalling of the brick façade due to age and weather as well as deteriorating and spalling at the mortar joints. It is recommended that the entire building façade be cut and pointed.

No photo available.

Actions

Action Name	Exterior walls: Point brick Facade
Option	Conventional
Prime Action	Yes
Description	Cut and Point the brick exterior walls and the front facade. Coordinate this work with the repairs to the concrete lintels and structure at the upper roof elevation and upper window replacement.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
0152556550	98 Scaffolding specialties, stair unit, interior, rent/mo	10.00	Ea.	33.37	334
015423700090	Scaffolding, steel tubular, regular, labor only to erect & dismantle, building exterior, wall face, 6'-4" x 5' frames, 1 to 5 stories, excl. planks	240.00	C.S.F.	194.42	46,661
040120200300	Pointing masonry, tuck, cut and re-point, hard mortar, running bond	16,200.00	S.F.	6.10	98,820
040130200310	Cleaning masonry, heavy restoration, average soil, biological staining, by chemical, high pressure wash, brush and rinse, excludes scaffolding	16,200.00	S.F.	2.18	35,316
040130204000	Cleaning masonry, add for masking doors and windows	2,200.00	S.F.	0.49	1,078
BRHEJ	Bricklayer Helpers (JourneyMan)	1,100.00	hour	51.66	56,826
BRICJ	Bricklayers (JourneyMan)	1,100.00	hour	63.66	70,026

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	Structural evaluation for staging and set-up	24.00	Hrs.	169.60	4,070
				Subtotal:	**313,131**
				Adjustment Factor:	**1.3500**
				Grand Total:	**422,727**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Integrity
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Exterior Windows: Remove Broken Units in Basement		
Requirement ID	REQ-2920	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Integrity	Finish Date	
Prime System	B2020 - Exterior Windows	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	9,870

Requirement Description

There are four window units in the basement at grade level. These window units have been covered over from the exterior with face brick and mortar. The units were left in place and have become broken and have deteriorated over the years and should be removed. Proper exterior in-fill walls are to be constructed for both the window openings and the former coal shoot.

No photo available.

Actions

Action Name	Fill in windows
Option	Conventional
Prime Action	Yes
Description	Remove broken and deteriorating window frames and glass. Replace window openings and former coal shoot opening with new CMU exterior wall construction.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	1.00	Ton	86.94	87
042210260550	Concrete block, foundation wall, trowel cut joints, normal weight, solid, 2000 psi, 8" x 8" x 16", includes mortar and horizontal joint reinforcing every other course, excludes scaffolding, grout and vertical reinforcing	330.00	S.F.	9.18	3,029
080505201040	Window demolition, steel, to 50 S.F., remove old mesh	5.00	Ea.	99.08	495
BRHEJ	Bricklayer Helpers (JourneyMan)	20.00	hour	51.66	1,033

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
BRICJ	Bricklayers (JourneyMan)	20.00	hour	63.66	1,273
CLABJ	Common Building Laborers (JourneyMan)	16.00	hour	51.80	829
				Subtotal:	**7,311**
				Adjustment Factor:	**1.3500**
				Grand Total:	**9,870**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Integrity
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Exterior Windows: Replace Clearstory Units		
Requirement ID	REQ-3430	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Integrity	Finish Date	
Prime System	B2020 - Exterior Windows	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	327,412

Requirement Description

The clearstory window units are of single pane; non-insulated glass with a steel frame and supports. The windows were constructed in 1924 and are original to the building. These clearstory windows are in poor condition due to age, deteriorated sealant and glazing compound, peeling paint and deteriorated frames. Many of the windows leak air and water and are inoperable due to the frame deterioration. These windows should be replaced with more energy efficient units.

No photo available.

Actions

Action Name	Replace Windows
Option	Conventional
Prime Action	Yes
Description	Replace clearstory windows on east and west sides of the building. Coordinate this installation with the brick facade "Cut & Point" project.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
015433602800C	Rent crane self-propelled, 4x4 telescoping boom 5 ton (Crew)	2.00	Ea.	256.48	513
024119190700	Selective demolition, rubbish handling, dumpster, 10 C.Y., 3 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	1.00	Week	563.90	564
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	4.00	Ton	86.94	348
079213203655	Joint sealants, caulking and sealants, polyurethane, bulk, in place, 1 or 2 component, 1/2" x 1/4"	750.00	L.F.	2.03	1,522
080505200620	Window demolition, glass, maximum	1,800.00	S.F.	2.64	4,752
085166100900	Window screens, security screen, steel grate, painted, on steel frame	1,800.00	S.F.	15.02	27,036
088130100500	Insulating glass, double glazed, tinted, 1/4" float, for 1" thick unit, 30-70 SF	1,800.00	S.F.	39.90	71,820

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
U 085113102100	Windows, aluminum sash, custom, grade 3, excl. glazing, max	1,800.00	S.F.	75.54	135,972
				Subtotal:	**242,527**
				Adjustment Factor:	**1.3500**
				Grand Total:	**327,412**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Integrity
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Roof Drain Covers: Provide		
Requirement ID	REQ-17418	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Integrity	Finish Date	
Prime System	B30 - Roofing	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	1,761

Requirement Description

At the time of inspection none of the 16 roof drains were observed to have covers. In addition, several of the roof drains were observed to be clogged with debris causing water to pond on the roof.

No photo available.

Actions

Action Name Covers

Option Conventional

Prime Action Yes

Description Provide 16 roof drain covers. Work to include removal of debris at the time of cover installation. Coordinate with additional deficiency for roof replacement.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
013113200160	Field personnel, general purpose laborer, average	0.10	Week	2,187.00	219
	Allowance for Roof Drain Covers	16.00	Ea.	67.85	1,086
				Subtotal:	**1,304**
				Adjustment Factor:	**1.3500**
				Grand Total:	**1,761**

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Requirement Detail Report
By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Integrity
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Roof: Replace Existing Built up Roof		
Requirement ID	REQ-3335	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Integrity	Finish Date	
Prime System	B30 - Roofing	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	300,162

Requirement Description

The roof is a ballasted built-up-roof system, and although the roof was installed approximately 10-12 years ago, the building manager has reported a series of leaks. There are vast areas of ponding water between the open roof drains, which indicates the roof surface is not properly pitched. These drains have no cover grates and debris and loose ballast have blocked proper water drainage in three of the sixteen locations. Roof flashing at the parapet walls is loose, broken or missing. With continual ponding water and improper drainage, the roof will continue to deteriorate and it life expectancy will decrease. This roof needs to be pitched properly and roof drains need to have grated covers installed to prevent blockage. All flashings need to be replaced to deter any further water damage to the parapet walls, cap and the concrete roof deck. Existing roof hatch operates poorly and does not open fully or close securely. The hatch is old antiquated and should be replaced.

No photo available.

Actions

Action Name	Replace Roof
Option	Conventional
Prime Action	Yes
Description	Replace entire roof system. Provide proper roof pitch and reset roof drains for storm water run-off. Provide new flashing at all locations. Replace existing antiquated roof hatch.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
024119190800	Selective demolition, rubbish handling, dumpster, 30 C.Y., 7 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost	4.00	Week	857.60	3,430
024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	40.00	Ton	86.94	3,478
070505100220	Selective demolition, thermal and moisture protection, flashing, sheet metal	1,410.00	S.F.	1.34	1,889
070505102520	Selective demolition, thermal and moisture protection, roof insulation board, to 2" thick	28,756.00	S.F.	0.50	14,378
070505103730	Selective demolition, thermal and moisture protection, roofing, built-up, gravel removal, maximum	28,756.00	S.F.	0.98	28,181
077233100500	Roof hatch, with curb, 1" fiberglass insulation, aluminum curb & cover, 2'-6" x 3'-0"	1.00	Ea.	1,403.66	1,404

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Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
A B30103201200	Insulation, rigid, roof deck, foamglass, tapered for drainage	2,912.00	S.F.	2.17	6,319
B30101204500	Roofing, single ply membrane, mb, app modified,granule surf cap sheet,torched,180 mils	28,756.00	S.F.	2.12	60,963
B30103200650	Insulation, rigid, roof deck, fiberglass, 3'x4' or 4'x8' sheets, 2-7/16" thick, R10	25,844.00	S.F.	2.52	65,127
B30104201700	Roof edges, aluminum, painted, .050" thick, 6" face	1,410.00	L.F.	26.18	36,914
U 070601102670	Roofing and siding demolition, roof hatch, 30" x 36", remove and reset	1.00	Ea.	259.76	260
				Subtotal:	**222,342**
				Adjustment Factor:	**1.3500**
				Grand Total:	**300,162**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Integrity
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Structure: Structural Engineering Evaluation		
Requirement ID	REQ-2833	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Integrity	Finish Date	
Prime System	B10 - Superstructure	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	507,456

Requirement Description

During our investigation major deterioration and heaving was observed at the concrete lintels, parapet and spandrel walls on the upper story and roof area. Exposed rebar, stress fractures, fallen concrete, missing and loose brick facing were constant throughout the exterior investigation. Separation of the brick façade and the concrete structure also was apparent. Continual water damage has caused massive spalling and cracking to the parapet and spandrel walls and forced them out of plumb. Yearly attempts to Band-Aid this problem have failed and deterioration has accelerated in recent years.

Interior observations revealed stress fractures of the concrete roof deck were consistent at every steel truss location. These fractures ranged from ¼" to 1". Signs of deflection of the steel cross members between the trusses were also noted. It is our recommendation that a structural engineering evaluation be conducted to accurately define a course of repair or replacement action. A dollar allowance has been given in the correction portion of this deficiency for possible roof deck removal and the addition of support and reinforcing steel to the roof structure. This figure is based on a square foot number and should be used only for estimate purposes. The structural engineer and his/her design criteria will determine final cost and course of action.

No photo available.

Actions

Action Name	Engineering Study
Option	Conventional
Prime Action	Yes
Description	Conduct a structural engineering study and prepare a corrective course of action for repair. Note: This allowance does not reflect the cost for new roof cover. Replacement cost for the roof cover is listed in a separate deficiency within this report. (Roof: Replacement)

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
	Allowance for structural renovations	1.00	Job	339,250.48	339,250
	Structural Engineer	180.00	hr.	203.57	36,643
				Subtotal:	**375,893**
				Adjustment Factor:	**1.3500**
				Grand Total:	**507,456**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Life Safety
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Emergency Eye Wash: Relocate		
Requirement ID	REQ-2752	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Life Safety	Finish Date	
Prime System	D2010 - Plumbing Fixtures	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Shah	Estimated Cost	1,509

Requirement Description

At the time of inspection an emergency eye wash station was observed located in the warehouse adjacent to the main entrance and drinking fountain. The eye wash station was located in such a way as to prohibit access from three sides. ANSI Z358.1 requires that emergency eye wash stations be located in such a way to be readily accessible and provide access from three sides. In addition, the station was provided water via a 1/2" supply line, manufactures of similar units recommend a 3/4" supply line to provide adequate volume of water. Also, the eye wash was located in such a way that required a user to step up and onto a concrete pad, resulting in a potential tripping hazard during an emergency condition.

No photo available.

Actions

Action Name	Eye wash
Option	Conventional
Prime Action	Yes
Description	It is recommended that the existing unit be relocated/repositioned to provide access from three sides and to alleviate the potential tripping hazard presented by the concrete pad. Work to include new 3/4" supply line.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
220523201460	Valves, bronze, ball, 150 psi, 3/4", threaded	1.00	Ea.	57.07	57
221113232180	Pipe, copper, tubing, solder, 3/4" diameter, type L, includes coupling & clevis hanger assembly 10' O.C.	30.00	L.F.	14.05	422
221113250500	Tee, copper, wrought, copper x copper, 3/4"	1.00	Ea.	67.09	67
PLUHJ	Plumber Helpers (JourneyMan)	4.00	hour	63.34	253
PLUMJ	Plumbers (JourneyMan)	4.00	hour	79.60	318
				Subtotal:	**1,117**
				Adjustment Factor:	**1.3500**
				Grand Total:	**1,509**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Life Safety

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Emergency lights: Replace		
Requirement ID	REQ-3398	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Life Safety	Finish Date	
Prime System	D5092 - Emergency Light and Power Systems	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	37,807

Requirement Description

Battery backup low voltage fixtures provide emergency egress lighting in the common areas, hallways and stairwells. The emergency lighting is mostly beyond life expectancy and the majority of those tested during the inspection were inoperable. Emergency egress lighting needs to be studied in conjunction with paths of egress to ensure they provide adequate lighting for egress, Life Safety Code 101-a-5-9.1.1 & 5.9.2.1 and as required under NFPA 101 Section 5-8.1.3 and NEC Section 700-1.

In addition, there are no exterior emergency lights at the exits from this building. NFPA Life Safety Code sec. A.5.8.1.1 calls for illumination of exitways to continue to a public way or a safe distance from the building.

No photo available.

Actions

Action Name	Install emergency lights
Option	Conventional
Prime Action	Yes
Description	Install exterior emergency battery powered unit lights at all exits from the building. Verify all installed lighting operation , add units at locations with paths of egress. Provide new backup lighting fixtures at all interior egress paths to provide the required illumination, 1 ft-candle, and outside discharge paths to a public way. Provide new branch circuit wiring connecting to emergency lighting branch circuits for interior and exterior lighting fixtures as necessary.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
265213100700	Emergency lighting units, nickel cadmium battery operated, twin sealed beam light, 25 W, 6 V each	30.00	Ea.	909.45	27,284
265213100780	Emergency lighting units, additional remote mount, sealed beam, 25 W 6 V	12.00	Ea.	60.13	722
				Subtotal:	**28,005**
				Adjustment Factor:	**1.3500**
				Grand Total:	**37,807**

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Requirement Detail Report
By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Life Safety
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Exit signs: Provide Exit Signs and Egress Maps Needed		
Requirement ID	REQ-3746	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Life Safety	Finish Date	
Prime System	D5092 - Emergency Light and Power Systems	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Rita, Carlos	Estimated Cost	31,255

Requirement Description

Exit signs at all exits and wall maps depicting paths of egress do not exist.

No photo available.

Actions

Action Name	Install new exit signs
Option	Conventional
Prime Action	Yes
Description	Install approximately thirty new illuminated led exit signs to all doors exiting building and wall mounted maps depicting paths of egress as determined by study of egress plan.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
013113200120	Field personnel, field engineer, average	0.50	Week	2,041.20	1,021
260519209040	Metal clad cable, copper, steel clad, 600 volt, 2 wire, #12	18.00	C.L.F.	347.66	6,258
260533140200	Electric metallic tubing, 1/2"diameter, to 15' high, includes 11 couplings per 100'	700.00	L.F.	1.92	1,344
260533160150	Outlet boxes, pressed steel, 4" square	30.00	Ea.	35.14	1,054
260533160250	Outlet boxes, pressed steel, covers, blank, 4" square	30.00	Ea.	11.81	354
265313100260	Exit lighting, LED w/ battery unit, double face, ceiling or wall mount	30.00	Ea.	324.27	9,728
	Allowance for development of detail wall mounted egress maps	1.00	Job	3,392.51	3,393
				Subtotal:	**23,152**
				Adjustment Factor:	**1.3500**
				Grand Total:	**31,255**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Life Safety
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Exterior Roof Ladders: Replace		
Requirement ID	REQ-3147	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Life Safety	Finish Date	
Prime System	B2010 - Exterior Walls	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	3,296

Requirement Description

The aged ladders from the upper roof to the lower roofs are in deteriorating condition and are not secure to the building exterior walls. They also do not contain the proper extension above roof line for safe access and hand hold.

No photo available.

Actions

Action Name	Ladders
Option	Conventional
Prime Action	Yes
Description	Replace two deteriorating roof access ladders on either side of building as indicated.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
055133130400	Ladder, shop fabricated, aluminum, 20" W, bolted to concrete, excl cage	16.00	V.L.F.	90.65	1,450
SSWKJ	Structural Steel Workers (JourneyMan)	12.00	hour	82.62	991
				Subtotal:	**2,442**
				Adjustment Factor:	**1.3500**
				Grand Total:	**3,296**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region

Asset: 49 L STREET SE

Service_Center: Metropolitan Service Center

Asset Number: DC0053ZZ

Category: Life Safety

Currency : USD

Requirements: All Requirements

Actions: Both Green and Conventional Actions

Requirement Name	Flooring: Repair Concrete		
Requirement ID	REQ-3017	Action Date	Jan 19, 2006
Linked System		Date Inspected	Jan 19, 2004
Category	Life Safety	Finish Date	
Prime System	C3020 - Floor Finishes	Status	Open
Priority	2 - Within 1 to 2 Years	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	27,821

Requirement Description

The concrete floor surface in certain areas within the warehouse and basement spaces is in poor condition due to settlement and prior repairs that did not hold. Control joints are deteriorated and missing in some areas. Areas where motor pool equipment was removed were poorly filled and patched. These areas are unlevel and deteriorating causing a possible safety hazard. These areas are to be repaired to restore proper elevation and floor surface integrity.

No photo available.

Actions

Action Name	Floors
Option	Conventional
Prime Action	Yes
Description	Cut and patch concrete flooring within the basement and warehouse areas. Replace control joints on the concrete floor in the warehouse spaces. Repaint entire warehouse and basement floors.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
079213202700	Joint sealants, caulking and sealants, polysulfide compounds, in place, 1 or 2 component, 154 LF per gal, 1/2" x 1/4"	850.00	L.F.	2.11	1,794
099123400160	Paints & coatings, floors, interior, concrete, latex, roller, 1st coat	21,160.00	S.F.	0.38	8,041
099123400170	Paints & coatings, floors, interior, concrete, latex, roller, 2nd coat	21,160.00	S.F.	0.26	5,502
	Repair concrete flooring	750.00	S.F.	7.03	5,272
				Subtotal:	**20,608**
				Adjustment Factor:	**1.3500**
				Grand Total:	**27,821**

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Requirement Detail Report

By Asset Name and Requirement Category

Region: 11 - National Capital Region
Asset: 49 L STREET SE
Service_Center: Metropolitan Service Center
Asset Number: DC0053ZZ
Category: Life Safety
Currency : USD
Requirements: All Requirements
Actions: Both Green and Conventional Actions

Requirement Name	Stairs: Add Slip Resistant Treads		
Requirement ID	REQ-1487	Action Date	Jan 19, 2005
Linked System		Date Inspected	Jan 19, 2004
Category	Life Safety	Finish Date	
Prime System	C20 - Stairs	Status	Open
Priority	1 - Immediate / First Year	Actual Cost	0
Inspector	Helmer, Tom	Estimated Cost	6,632

Requirement Description

The existing basement stairs is comprised of a poured in place concrete system, which has been painted with an oil base paint. The original tread pads adhered to the concrete have broken away and are missing on most treads. This condition poses a slippery surface and a possible safety hazard. New non-slip resistant rubber tread covers are to be installed to deter any future injuries.

No photo available.

Actions

Action Name	Slip Resistant Treads
Option	Conventional
Prime Action	Yes
Description	Remove old tread pads and prep stair treads for new application. Install new slip-resistant tread covers to basement stairs, intermediate and lower level landings.

Estimate

Code Label	Line Item Description	Quantity	Unit	Unit Cost	Total Cost
096513230900	Stair treads & risers, rubber, grip strip safety tread, colors, 5/16" thick	72.00	L.F.	29.44	2,120
096516106000	Resilient flooring, rubber, sheet goods, 3' w, 1/4" thick	56.00	S.F.	19.35	1,084
CARPJ	Carpenters (JourneyMan)	12.00	hour	64.81	778
CRPTJ	Carpet & Linoleum Layers (JourneyMan)	16.00	hour	58.21	931
				Subtotal:	**4,912**
				Adjustment Factor:	**1.3500**
				Grand Total:	**6,632**

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