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# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

100 V Street SW  
Washington, DC 20024

### FINDINGS DETAIL

Target Property research detail.

### T Street SW

#### 151 T Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
<b>V</b>		
<b>100 V</b>		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ALEXANDERW Loraine PARHAM Chevist O	Haines Company, Inc. Haines Company, Inc. Haines Company, Inc.
2000	ALEXANDER W Loraine ROBBINS Hugh R	Haines & Company Haines & Company
1993	ALEXANDER Vincent  ALEXANDER W Loraine  GALLAGHER BOLAND MEIBURGER & BROSNAN JAYS OFFICE SERVICES  Knappen Theodore atty  Law  LAW Ofc  ROBBINS Hugh R	The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia
1983	Law John R DDS Ofc	The Chesapeake Potomac Telephone Co The Chesapeake Potomac Telephone Co
1978	ALEXANDER Alexander Vincent	C&P Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1978	Alexander Morris S Jr	C&P Telephone
	GREENGROCERS Greenhaus Jas	C&P Telephone
	LAW Ofc	C&P Telephone
	ROBERTS Robbins Hugh R	C&P Telephone
1973	ALEXANDER Alexander Morris S Jr	The Chesapeake Potomac Telephone Co
	GREENGROCERS Greenhaus Jas	The Chesapeake Potomac Telephone Co
	ROBB Robbins Hugh R	The Chesapeake Potomac Telephone Co
1969	GREENGROCERS Greenhaus Jas	C&P Telephone
	ROBBINS Robbins Hugh R	C&P Telephone
1964	Beavers John T	R. L. Polk & Co.
	Vacant	R. L. Polk & Co.
1960	Flynn Lois G	R. L. Polk & Co.
	Payne John H	R. L. Polk & Co.
	Williams Robt W	R. L. Polk & Co.
1948	Seese Norman A jr	R. L. Polk & Co.
1943	Lehman Harry F	R. L. Polk & Co.
1940	Lehman Harry F	R. L. Polk & Co.
1936	Lehman Harry F	R. L. Polk & Co.
	Moten Bessie	R. L. Polk & Co.
1931	Klingenhagen Fred J	R. L. Polk & Co.
	Vacant	R. L. Polk & Co.
1926	Burdette Jas W	R. L. Polk & Co.
	Moore Rosa Mrs	R. L. Polk & Co.
1922	Bowman Chas A	R. L. Polk & Co.
	Moore Rose Mrs	R. L. Polk & Co.

### V Street SW

#### 101 V Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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# FINDINGS

## ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

### 1 SW

#### 2081 1 SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	MOORE Agnes D	The Chesapeake and Potomac Telephone Company of Virginia

### 1ST SW

#### 2007 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Carter Jas H	R. L. Polk & Co.
1926	Carter Jas H	R. L. Polk & Co.
1922	Carter Jas H	R. L. Polk & Co.

#### 2009 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Nelson Robt	R. L. Polk & Co.
1922	Nelson Robt	R. L. Polk & Co.

#### 2011 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Speaks Edw	R. L. Polk & Co.
1922	Bell Annie Mrs	R. L. Polk & Co.

#### 2025 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	cor Corinthian Yacht Club	R. L. Polk & Co.
	Anacostia River	R. L. Polk & Co.
	Sears Danl W	R. L. Polk & Co.
1926	Washington Danl	R. L. Polk & Co.
1922	Sears Danl W	R. L. Polk & Co.

#### 2027 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Spriggs Lloyd	R. L. Polk & Co.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Spriggs Lloyd	R. L. Polk & Co.

### 2029 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Washington Leroy	R. L. Polk & Co.
1922	Hurd Alex	R. L. Polk & Co.

### 2035 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Driver John H	R. L. Polk & Co.
1922	Driver John H	R. L. Polk & Co.

### 1ST ST SW

#### 2007 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Vacant	R. L. Polk & Co.

#### 2009 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Capital City Construction Co	R. L. Polk & Co.

#### 2025 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Vacant	R. L. Polk & Co.
	cor Corinthian Yacht Club	R. L. Polk & Co.
	Seeley Albert H	R. L. Polk & Co.
	Unopened to Xenia	R. L. Polk & Co.
	Anacostia River	R. L. Polk & Co.

#### 2102 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	Anacostia River	R. L. Polk & Co.
	Not open bet Anacostia River and Xenia	R. L. Polk & Co.
	Reece John S used auto parts	R. L. Polk & Co.

#### 2200 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	BUZZARD POINT BOAT	Haines & Company
	COHN Edwin E	Haines & Company
	TOGANS A A	Haines & Company

## FINDINGS

### **2ND ST SW**

#### **2100 2ND ST SW**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
2017	MONDAY PROPERTIES	Cole Information Services
	NATIONAL WAR COLLEGE ALUMNI ASSOCIAT	Cole Information Services
	THE MARKET PLACE	Cole Information Services
	USCG DC	Cole Information Services
	UNITED STATES COAST GUARD	Cole Information Services
2014	MONDAY PROPERTIES	Cole Information Services
	NATIONAL WAR COLLEGE ALUMNI ASSOCIAT	Cole Information Services
	MARKET PLACE THE	Cole Information Services
	UNITED STATES COAST GUARD	Cole Information Services
2006	THE MARKET PLACE	Cole Information Services
	ANDREWDANIEL	Haines Company, Inc.
	COAST GUARD	Haines Company, Inc.
	FDRL CRDT UN	Haines Company, Inc.
	MARKET PLACE THE	Haines Company, Inc.
	PENTAGON	Haines Company, Inc.
	FEDERAL CREDIT	Haines Company, Inc.
	UNION	Haines Company, Inc.
	THE MARKET PLACE	Haines Company, Inc.
	US TRANS CG INFO	Haines Company, Inc.
	US TRANS CG	Haines Company, Inc.
	PERSONNEL	Haines Company, Inc.
	COMMAND	Haines Company, Inc.
2004	VADORVENTURES	Haines Company, Inc.
	NATIONAL WAR COLLEGE ALUMNI	Cole Information Services
	PENTAGON FEDERAL CRDT UNION	Cole Information Services
	COAST GUARD FEDERAL CRDT UNION	Cole Information Services
	USGC FISHERIES LAW ENF DIV	Cole Information Services
2000	OFFICE OF NAVIGATION SAFETY	Cole Information Services
	BUILDING SERVICE MANAGEMENT	Haines & Company
	NATL WAR COLLEGE ALUMNI ASCTN	Haines & Company
	U S DEPT OF TRANSPORTATION	Haines & Company
	US TRANS CG HDQ SUPPORT COMMND	Haines & Company
	US TRANS CG INFO	Haines & Company

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	US TRANS CG PERSONNEL COMMAND	Haines & Company
1999	2100 SECOND STREET INCORPORATED	Cole Information Services
	USCG LAB	Cole Information Services
	U S DEPARTMENT OF TRANSPORTATION	Cole Information Services
	UNITED STATES GOVERNMENT TRANSPORTATION DEPARTMENT	Cole Information Services
	BUILDING SERVICE MANAGEMENT INCORPORATED	Cole Information Services
	NATIONAL WAR COLLEGE ALUMNI ASSOCIATION	Cole Information Services
1993	Carlson Food Systems Inc	The Chesapeake and Potomac Telephone Company of Virginia
	Tamsco	The Chesapeake and Potomac Telephone Company of Virginia
1983	Carlson Food Systems Inc	The Chesapeake Potomac Telephone Co
	Westwood Management Corp	The Chesapeake Potomac Telephone Co
1978	CUSTOM Custom Food Management Systems Inc	C&P Telephone
	OFFICE Office Cleaning Inc	C&P Telephone
	UNITED United States Railway Assoc	C&P Telephone
	WESTWOOD Westwood Management Corp	C&P Telephone

### HALF SW

#### 2101 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Turner Martha	R. L. Polk & Co.
1922	Turner John	R. L. Polk & Co.

#### 2109 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Carney Mary Mrs	R. L. Polk & Co.
1922	Jackson Fannie Mrs	R. L. Polk & Co.

### T ST NE

#### 151 T ST NE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	DISTRICT OF COLUMBIA	Cole Information Services
	WASHINGTON DC TOP LOCKSMITH	Cole Information Services

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	WASHINGTON DC TOP LOCKSMITH	Cole Information Services
	DISTRICT OF COLUMBIA GOVERNMENT	Cole Information Services
2009	DC YOUTH ENSEMBLE INC	Cole Information Services
	WASHINGTON DC PUBLIC SCHOOLS	Cole Information Services

### THOMAS ST NW

#### 151 THOMAS ST NW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LINDEN COYNE	Cole Information Services
2009	FRANK COYNE	Cole Information Services
2004	JUAN CARDONA	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services

### TODD PL NE

#### 151 TODD PL NE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	MICHAEL CLARK	Cole Information Services
2014	MICHAEL CLARK	Cole Information Services
2009	MICHAEL CLARK	Cole Information Services
2004	MICHAEL CLARK	Cole Information Services
1999	MICHAEL CLARK	Cole Information Services

### TUCKERMAN ST NE

#### 151 TUCKERMAN ST NE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	GREG MAYE	Cole Information Services
2014	GREG MAYE	Cole Information Services
2009	GREG MAYE	Cole Information Services
2004	JACALYN JOYNER	Cole Information Services

### V SW

#### 129 V SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Campbell Fredk	R. L. Polk & Co.



## FINDINGS

### 201 V SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Matthews Geo E	R. L. Polk & Co.

### 229 V SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Brukhouser Chas	R. L. Polk & Co.

### V ST SW

#### 131 V ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Vacant	R. L. Polk & Co.

#### 150 V ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	ELECTRICAL Electrical Security Corp	The Chesapeake Potomac Telephone Co

#### 200 V ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	MOBILE LOCKS & LOCKSMITHS	Cole Information Services
	JAMES CREEK MARINA	Cole Information Services
2014	MOBILE LOCKS & LOCKSMITHS	Cole Information Services
	CHIEF WARRANT & WARRANT OFCR ASSN	Cole Information Services
2009	JAMES CREEK MARINA	Cole Information Services
	JEREMY HECKLER	Cole Information Services
2006	CHEIF WARRANT & WARRANT OFC ASSN	Cole Information Services
	JAMES CREEK MARINA	Cole Information Services
2006	MARTIN MK	Haines Company, Inc.
	Newman K	Haines Company, Inc.
	RESIDENTIAL	Haines Company, Inc.
	BALLARD	Haines Company, Inc.
	MCWILLIAMS	Haines Company, Inc.
	MARINA	Haines Company, Inc.
	JAMES CREEK	Haines Company, Inc.
	HOWARD Theodore	Haines Company, Inc.
	WRRNTOFCRASSN	Haines Company, Inc.
	CHIEFWRRNT&	Haines Company, Inc.
	BOYD T	Haines Company, Inc.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	JAMES CREEK MARINA	Cole Information Services
2000	SMITH William H	Haines & Company
	NOEL Seville	Haines & Company
	NADEAU Gary J	Haines & Company
	MONTALTO William B	Haines & Company
	LIPPA V E	Haines & Company
	JAMES CREEK MARINA	Haines & Company
	HUNTER Jerry	Haines & Company
	CHIEF WARRANT & WARRANT OFFICERS	Haines & Company
	BURKE John	Haines & Company
	BOONE Herman	Haines & Company
	BEDFORD Jeff	Haines & Company
	BAILEY S	Haines & Company
	APARTMENTS	Haines & Company
1999	CHIEF WARRANT & WARRANT OFFICERS ASSOCIATION USCG	Cole Information Services
	JAMES CREEK MARINA	Cole Information Services
1993	CUNNINGHAM Robert Livingston	The Chesapeake and Potomac Telephone Company of Virginia
	James Creek Marina	The Chesapeake and Potomac Telephone Company of Virginia
	Chief Warrant & Warrant Officers Assn USCG	The Chesapeake and Potomac Telephone Company of Virginia

### 227 V ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Hunt Chas E	R. L. Polk & Co.

### 229 V ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Hunt Thos	R. L. Polk & Co.

### VICTOR ST NE

#### 101 VICTOR ST NE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	BRIAN ACORS	Cole Information Services
	ANNIE GORDON	Cole Information Services
2014	ANNIE GORDON	Cole Information Services
2009	EDWARD RADDEN	Cole Information Services

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	ANNIE GORDON	Cole Information Services
2004	ANNIE GORDON	Cole Information Services

### WATER SW

#### 2101 WATER SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Lucas Louise V Mrs	R. L. Polk & Co.
1931	Lucas Louise Mrs	R. L. Polk & Co.

#### 2109 WATER SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Harvel Geo W	R. L. Polk & Co.

### WATER ST SW

#### 2101 WATER ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Johnson Leon	R. L. Polk & Co.
1940	Lucas Louise V Mrs	R. L. Polk & Co.

#### 2109 WATER ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Wesley Smith Seymour	R. L. Polk & Co.

## FINDINGS

### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
101 VICTOR ST NE	2006, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
129 V SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1926, 1922
131 V ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
150 V ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 T ST NE	2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 T ST NE	2017, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 T ST NE	2017, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 T ST NE	2017, 2014, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 THOMAS ST NW	2017, 2014, 2009, 2006, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 THOMAS ST NW	2017, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 THOMAS ST NW	2017, 2014, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 THOMAS ST NW	2017, 2014, 2009, 2006, 2004, 2000, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TODD PL NE	2017, 2014, 2009, 2006, 2000, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TODD PL NE	2017, 2014, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TODD PL NE	2017, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TODD PL NE	2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TUCKERMAN ST NE	2017, 2014, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TUCKERMAN ST NE	2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TUCKERMAN ST NE	2017, 2014, 2009, 2006, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
200 V ST SW	2006, 2000, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
200 V ST SW	2017, 2014, 2009, 2004, 1999, 1994, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

## FINDINGS

### Address Researched

### Address Not Identified in Research Source

2007 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
2007 1ST ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
2009 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
2009 1ST ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
201 V SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1926, 1922
2011 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2025 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
2025 1ST ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
2027 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2029 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2035 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2081 1 SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
2100 2ND ST SW	2017, 2014, 2009, 2004, 1999, 1994, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
2100 2ND ST SW	2009, 2006, 2000, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
2101 HALF SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2101 WATER SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1940, 1936, 1926, 1922
2101 WATER ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1936, 1931, 1926, 1922
2102 1ST ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
2109 HALF SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2109 WATER SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1926, 1922
2109 WATER ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1936, 1931, 1926, 1922
2200 1ST ST SW	2017, 2014, 2009, 2006, 2004, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
227 V ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
229 V SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1926, 1922

## FINDINGS

### **Address Researched**

229 V ST SW

### **Address Not Identified in Research Source**

2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922

**TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE**

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

**Address Researched**

100 V Street SW

**Address Not Identified in Research Source**

2017, 2014, 2009, 2004, 1999, 1994, 1954

**APPENDIX E**

**HISTORICAL RESEARCH DOCUMENTATION/MAPS**





8610 Washington Boulevard, Suite 217  
Jessup, Maryland 20794  
Phone: 301-776-0500 Fax: 301-776-1123



**1927 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
20-150

Report Date:  
June 2020

Drawn By:  
DLL

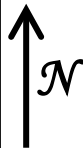


**SITE**



**Advantage  
Environmental  
Consultants, LLC**

8610 Washington Boulevard, Suite 217  
Jessup, Maryland 20794  
Phone: 301-776-0500 Fax: 301-776-1123



**1936 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
20-150

Report Date:  
June 2020

Drawn By:  
DLL



8610 Washington Boulevard, Suite 217  
Jessup, Maryland 20794  
Phone: 301-776-0500 Fax: 301-776-1123



**1949 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
20-150

Report Date:  
June 2020

Drawn By:  
DLL



**SITE**



8610 Washington Boulevard, Suite 217  
Jessup, Maryland 20794  
Phone: 301-776-0500 Fax: 301-776-1123



**1951 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
20-150

Report Date:  
June 2020

Drawn By:  
DLL



**SITE**

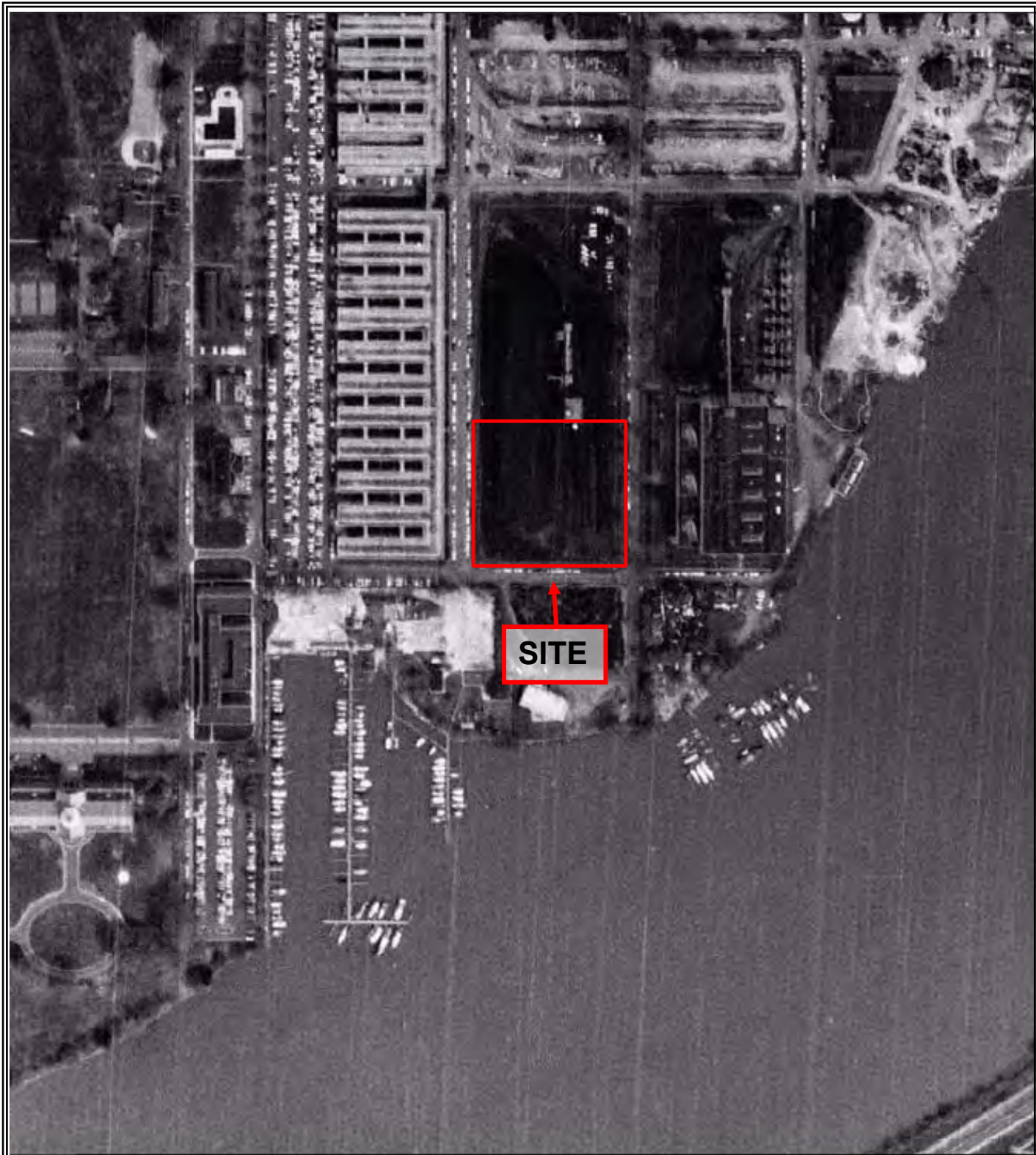


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Jessup, Maryland 20794  
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**1960 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.: 20-150	Report Date: June 2020	Drawn By: DLL
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Jessup, Maryland 20794  
Phone: 301-776-0500 Fax: 301-776-1123

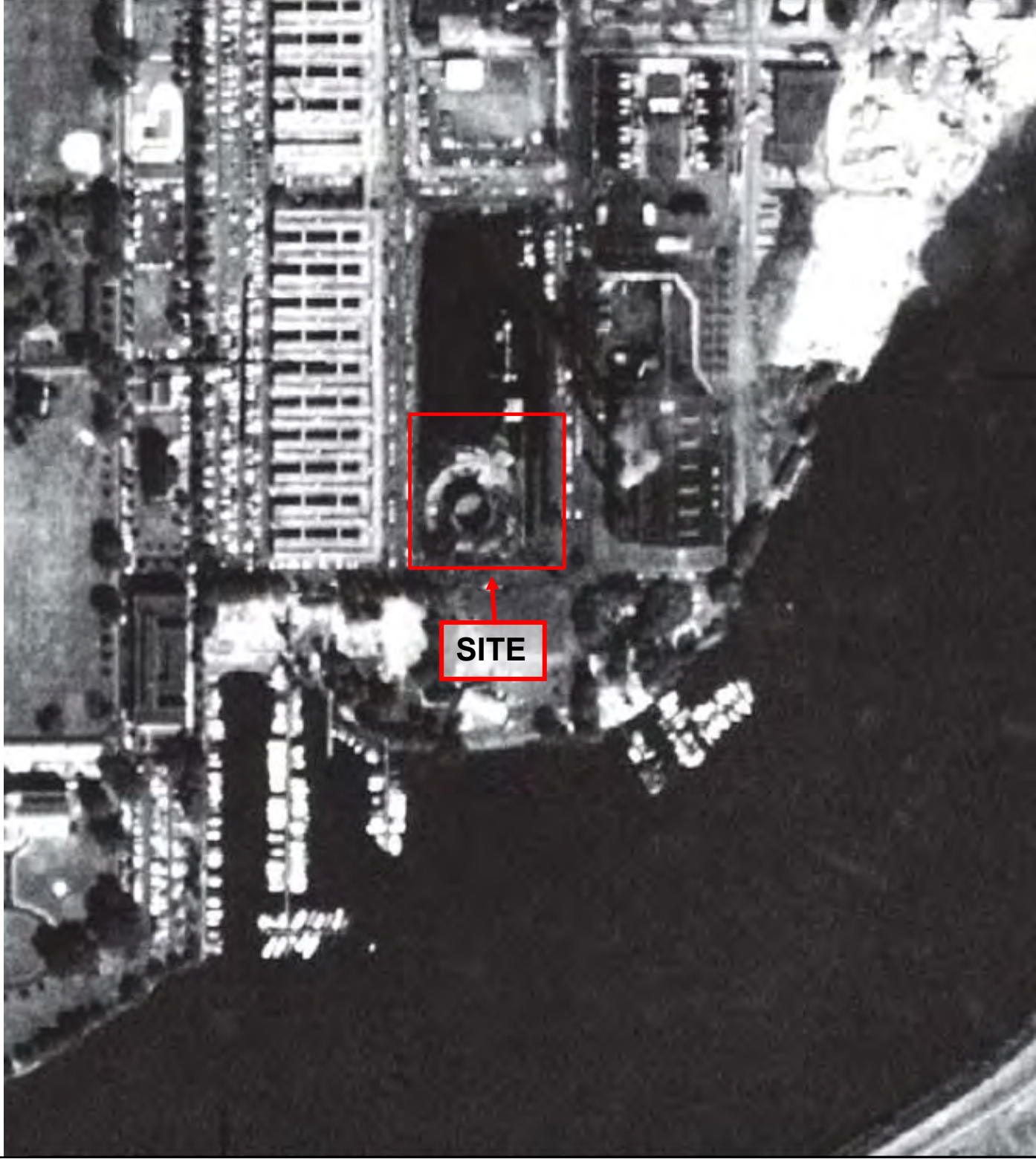


**1963 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

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Report Date:  
June 2020

Drawn By:  
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**1970 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

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Report Date:  
June 2020

Drawn By:  
DLL



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**1977 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
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June 2020

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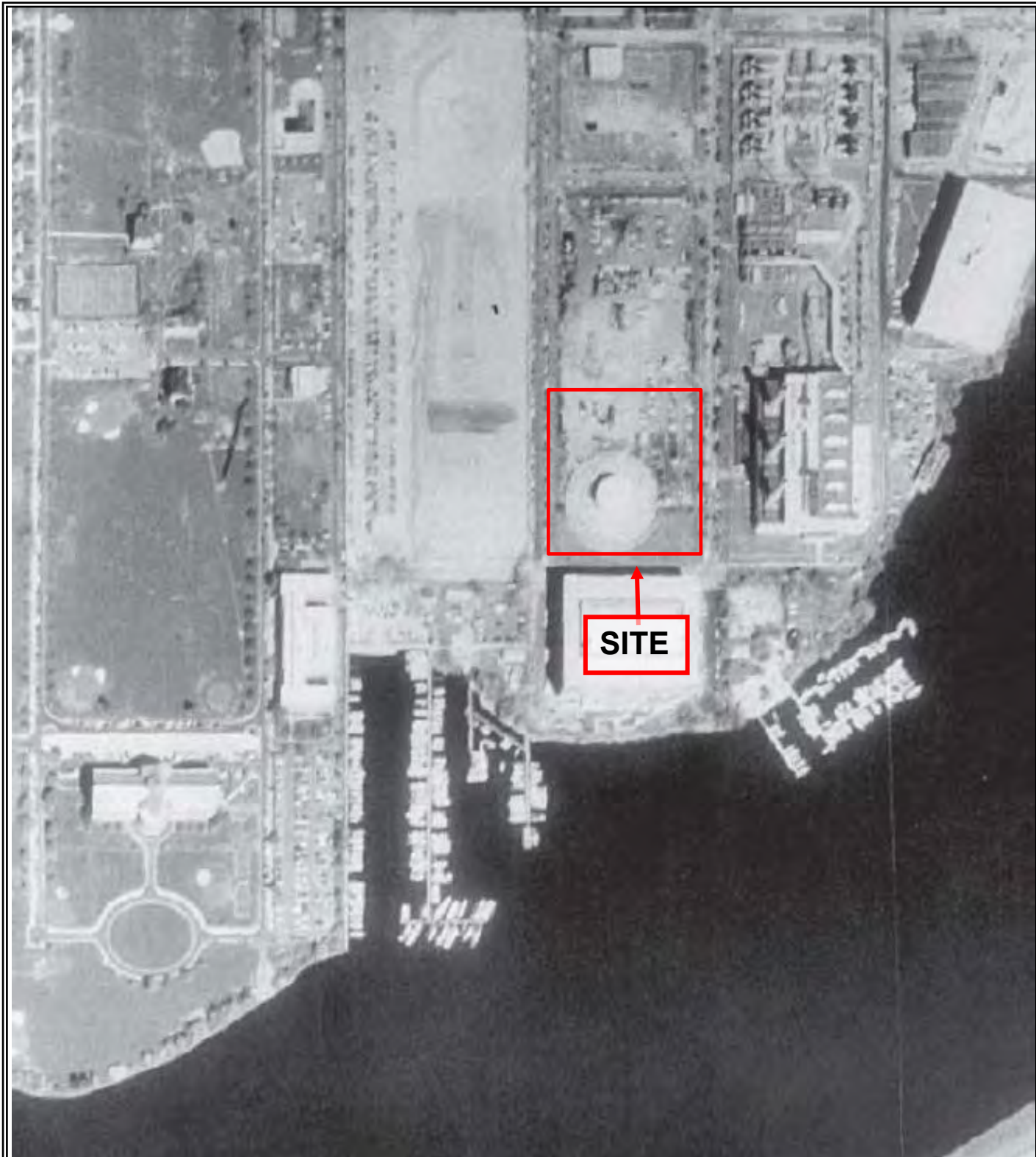


**1984 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

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20-150

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June 2020

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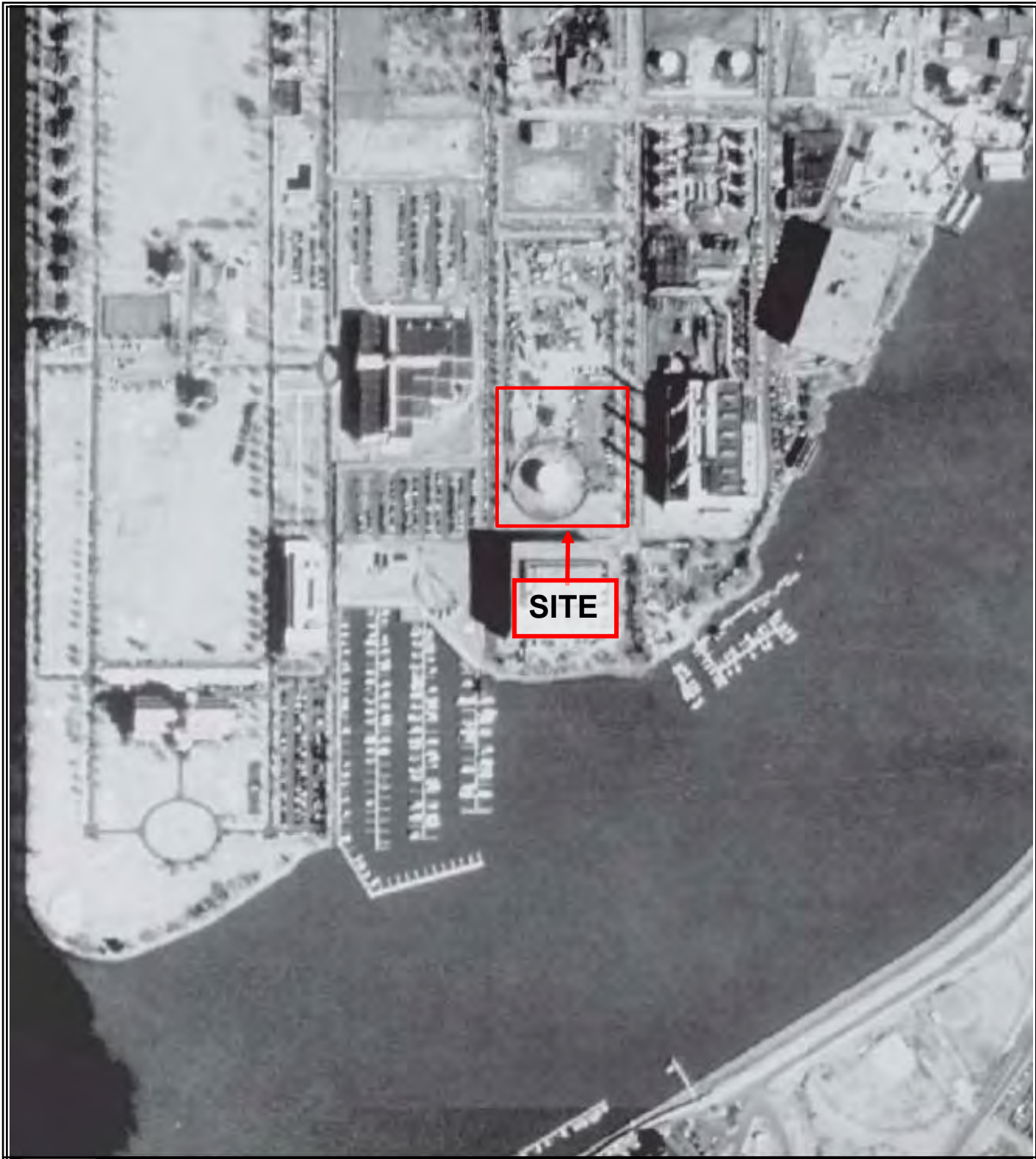


**1988 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

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**1994 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

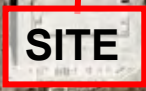
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Fort Lesley J. McNair



**SITE**

Image District of Columbia (DC GIS)



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**1999 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

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**2003 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

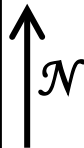
AEC Project No.:  
20-150

Report Date:  
June 2020

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**2005 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
20-150

Report Date:  
June 2020

Drawn By:  
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**2007 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
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Report Date:  
June 2020

Drawn By:  
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**2009 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
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Report Date:  
June 2020

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**2013 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
20-150

Report Date:  
June 2020

Drawn By:  
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**2017 Aerial Photograph**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
20-150

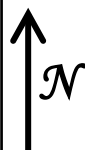
Report Date:  
June 2020

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DLL

10/2019



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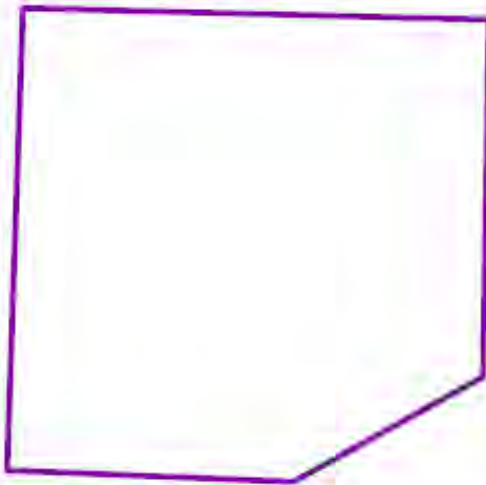
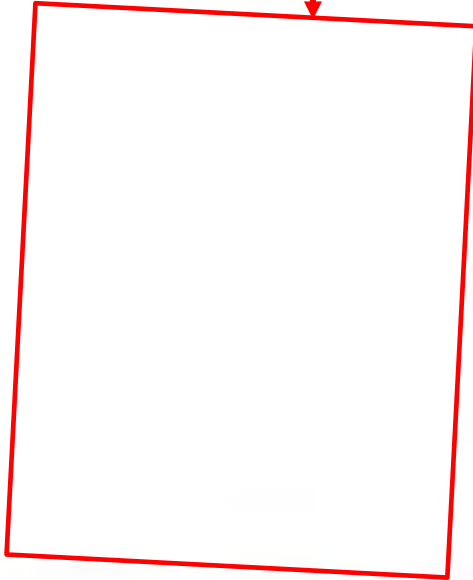
**2019 Aerial Photograph**  
 Buzzard Point  
 100 V Street SW  
 Washington, DC 20024

AEC Project No.:  
 20-150

Report Date:  
 June 2020

Drawn By:  
 DLL

**SITE**



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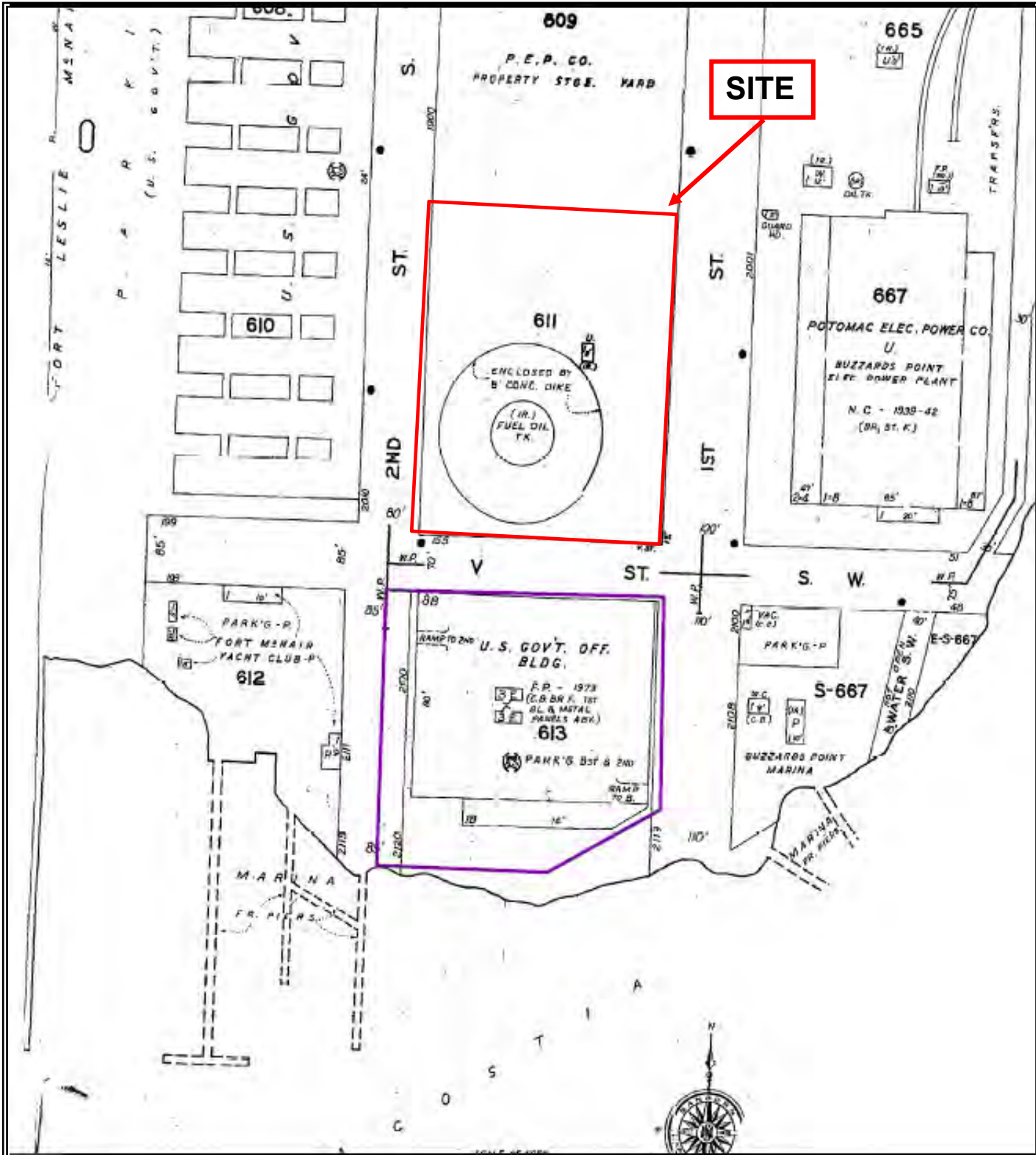


**1956 Sanborn Map**  
2100 2nd Street SW  
Washington, DC 20593

AEC Project No.:  
18-131

Report Date:  
May 2018

Drawn By:  
DLL



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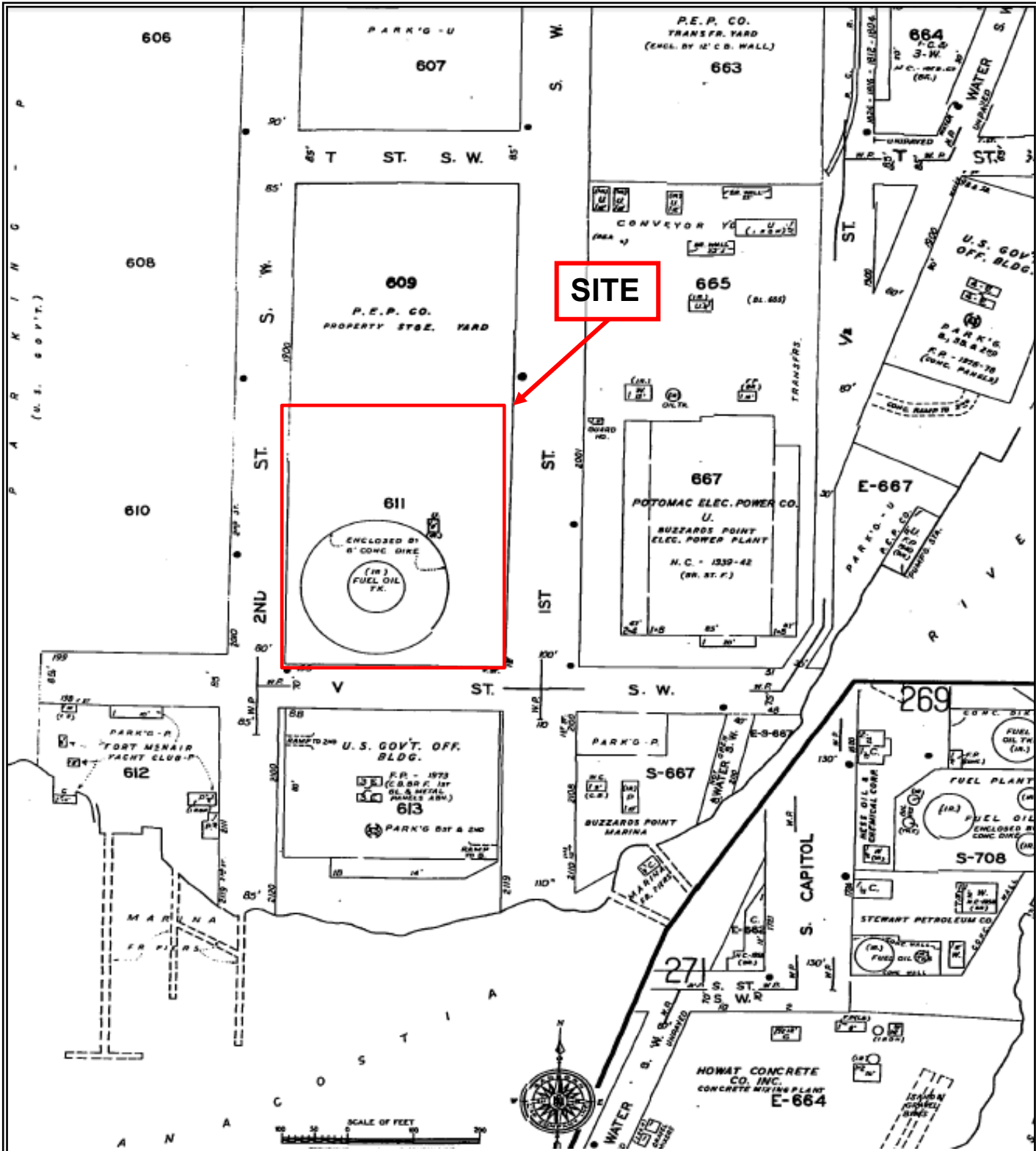


**1984 Sanborn Map**  
 2100 2nd Street SW  
 Washington, DC 20593

AEC Project No.:  
 18-131

Report Date:  
 May 2018

Drawn By:  
 DLL



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 Jessup, Maryland 20794  
 Phone: 301-776-0500 Fax: 301-776-1123

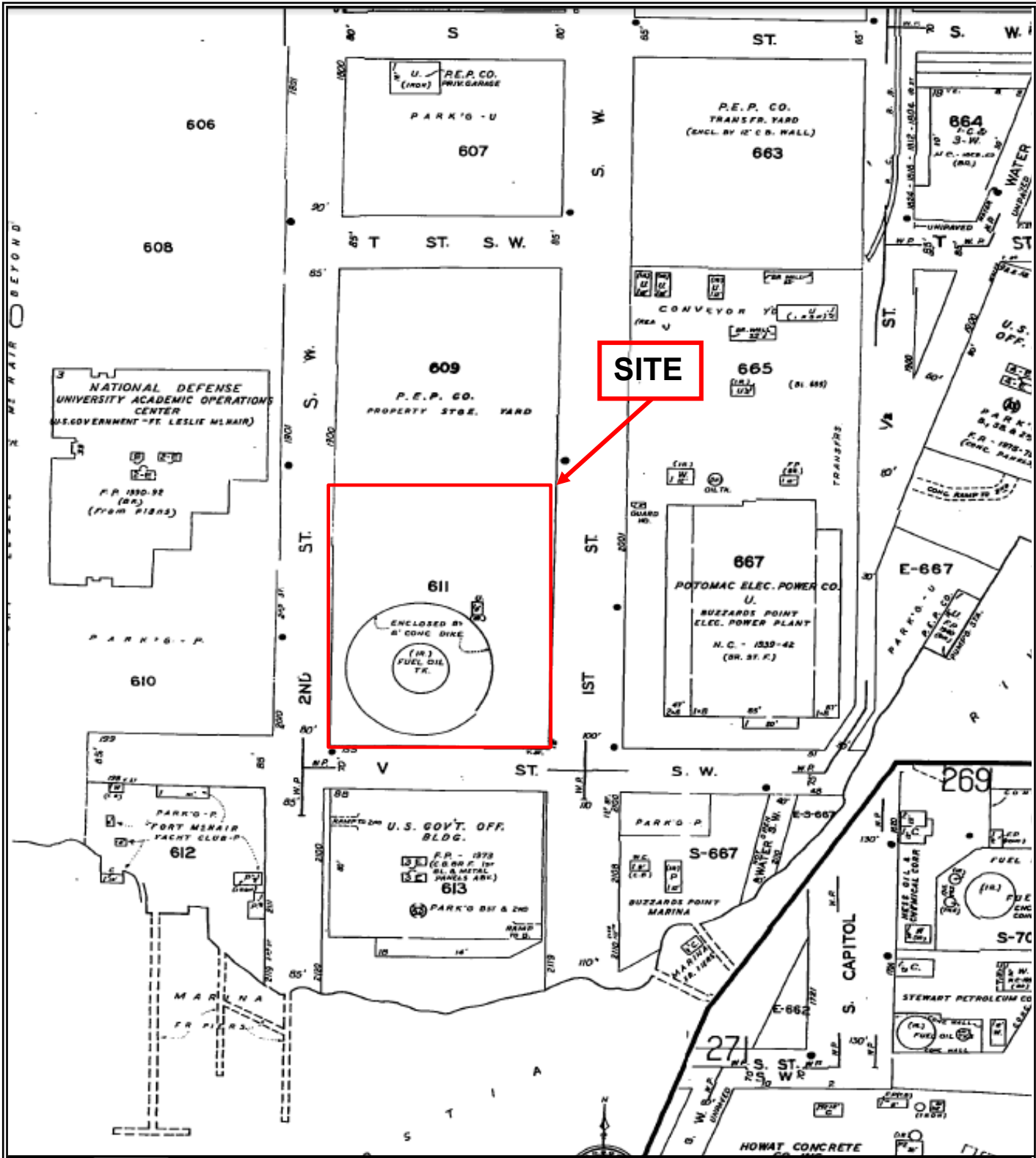


1988 Sanborn Map  
 2100 2nd Street SW  
 Washington, DC 20593

AEC Project No.:  
 18-131

Report Date:  
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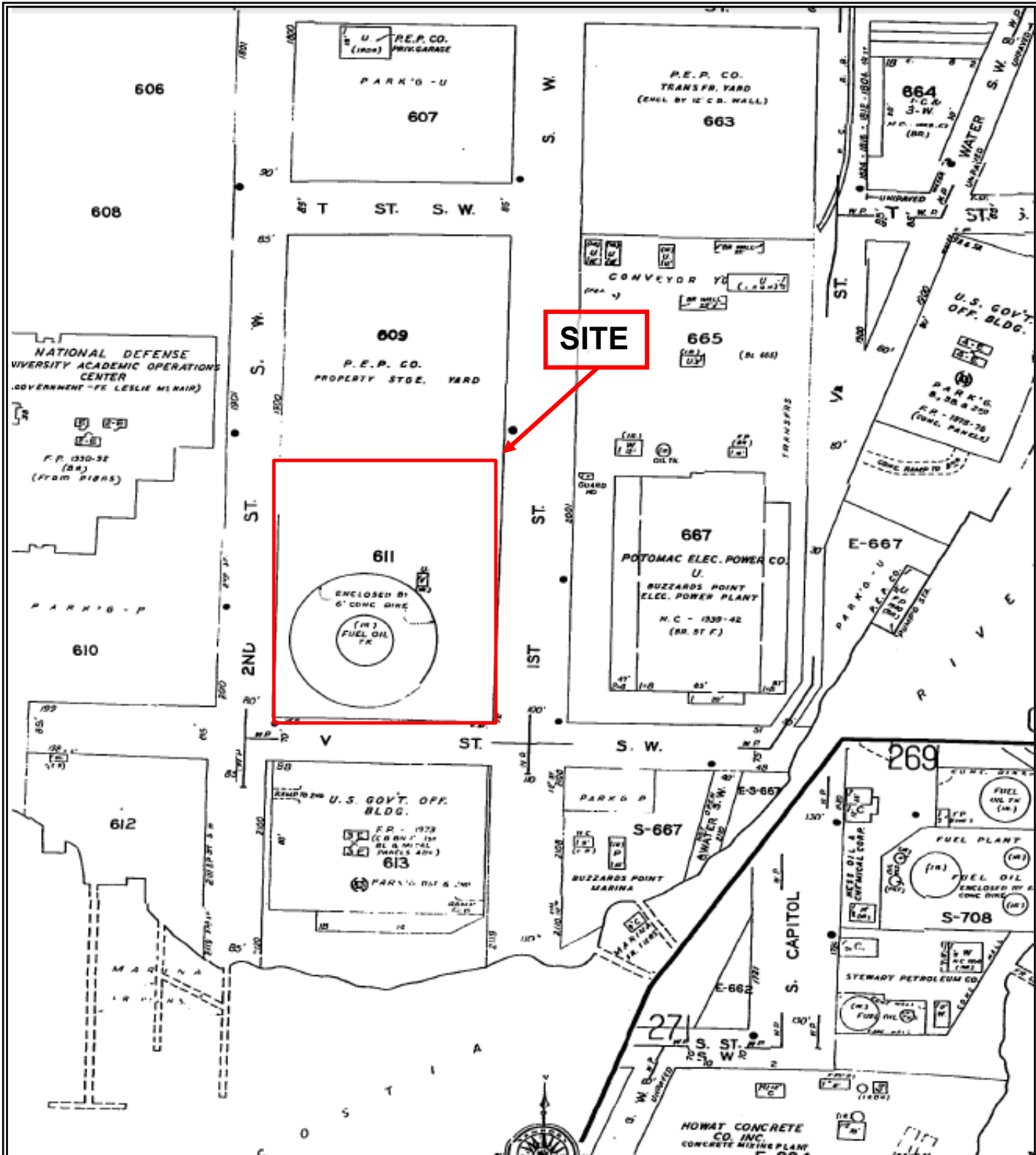


**1990 Sanborn Map**  
2100 2nd Street SW  
Washington, DC 20593

AEC Project No.:  
18-131

Report Date:  
May 2018

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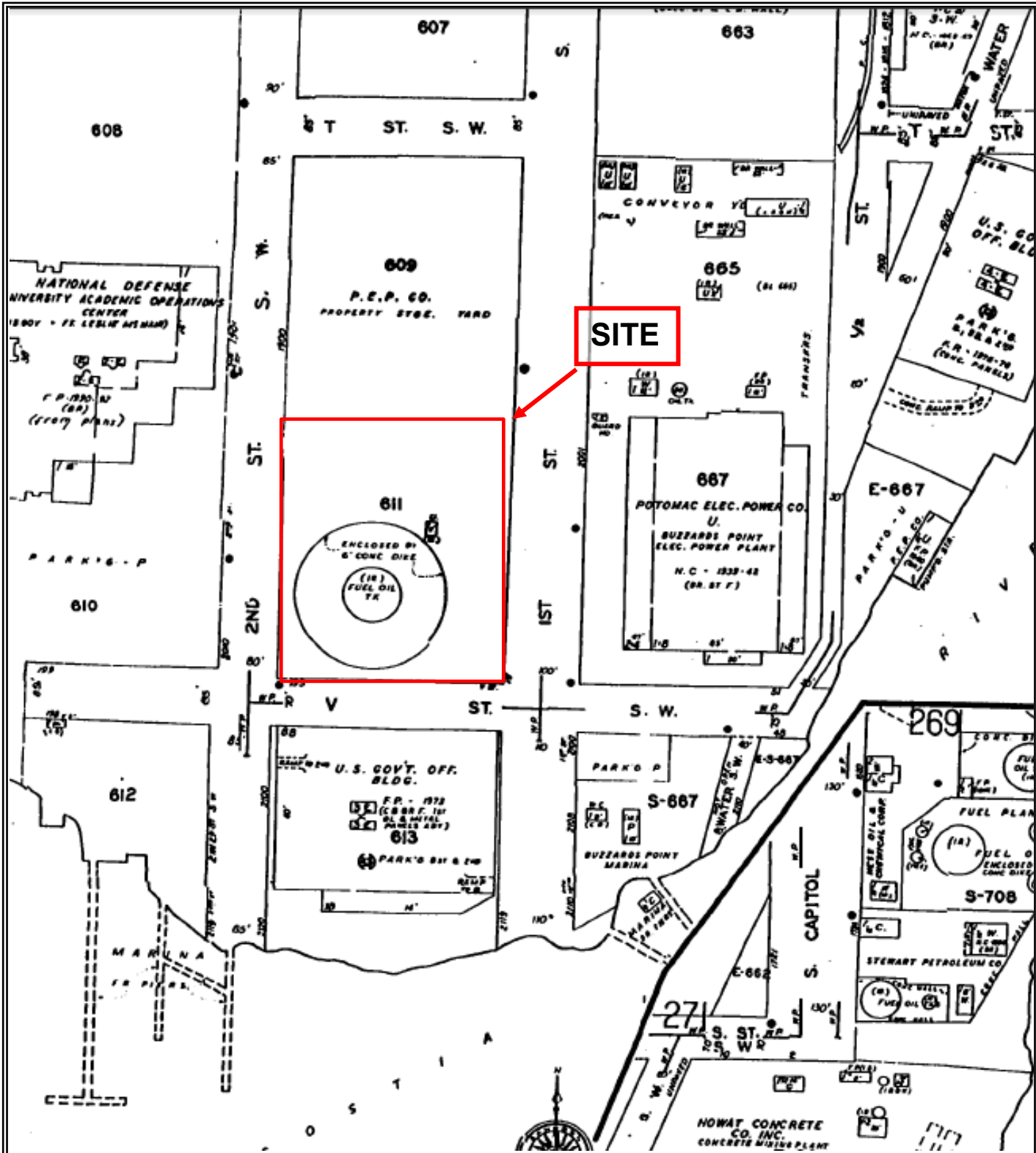
**1991 Sanborn Map**  
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Washington, DC 20593

AEC Project No.:  
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Report Date:  
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Drawn By:  
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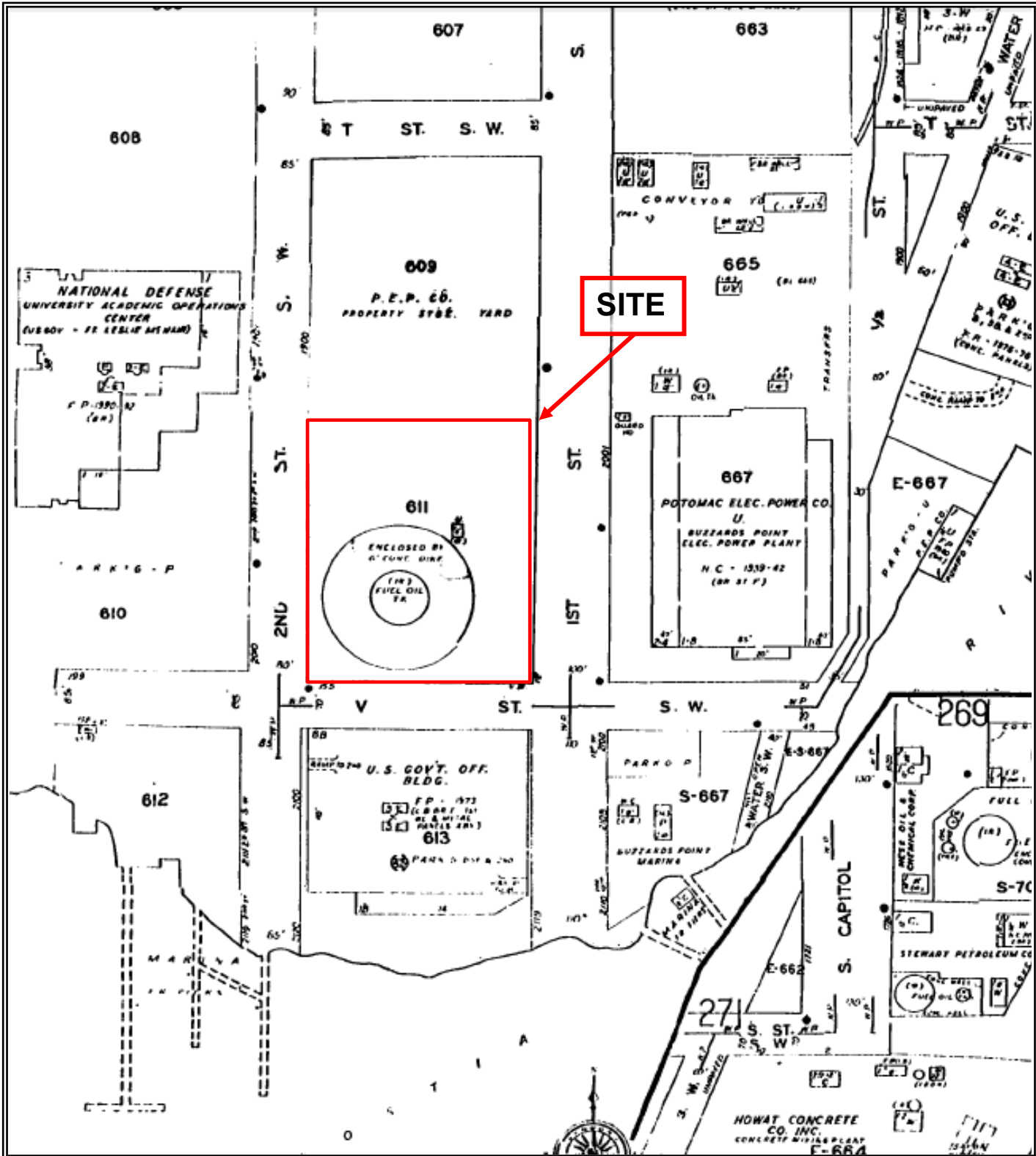


1992 Sanborn Map  
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 Washington, DC 20593

AEC Project No.:  
 18-131

Report Date:  
 May 2018

Drawn By:  
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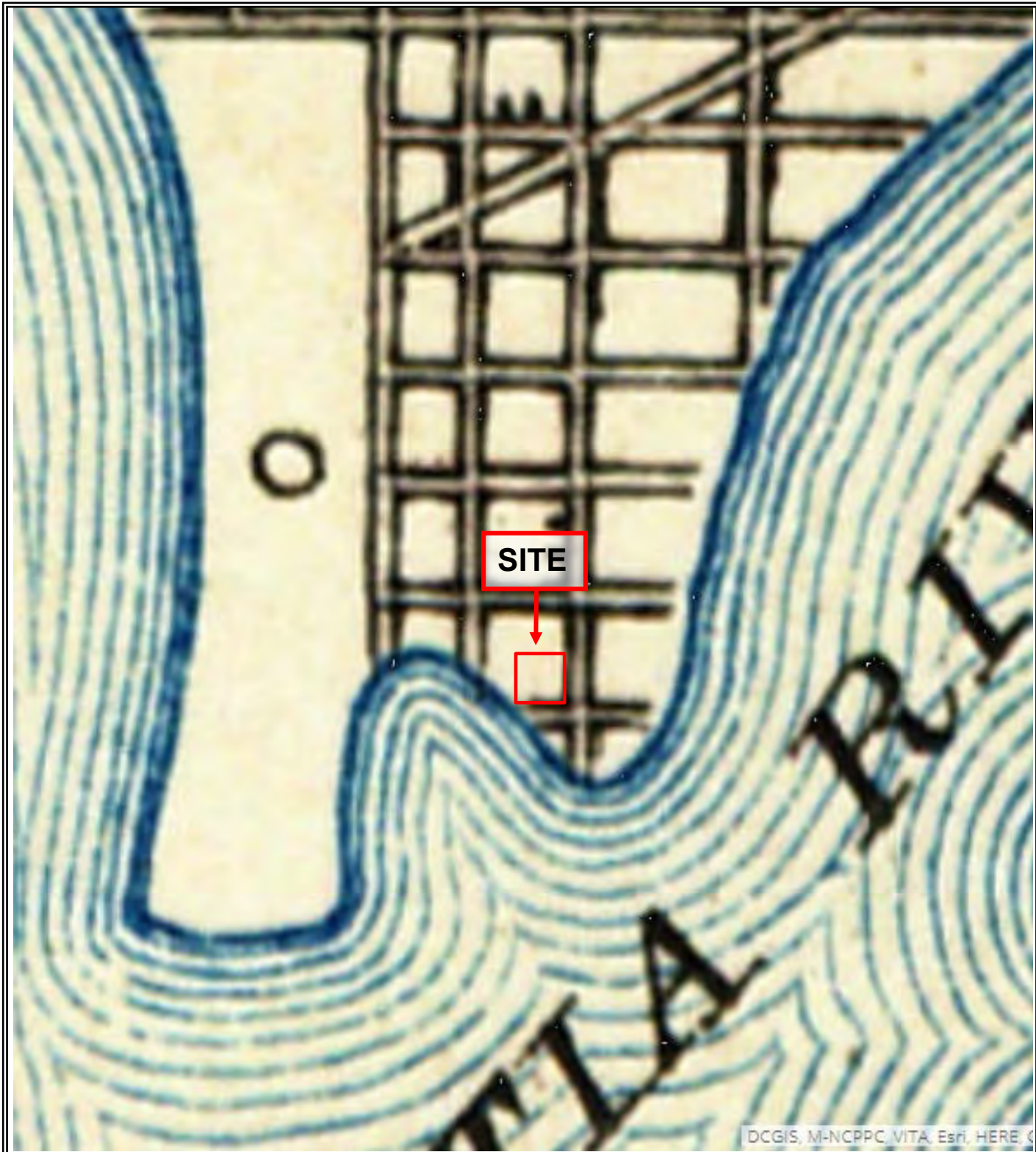


1994 Sanborn Map  
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 Washington, DC 20593

AEC Project No.:  
 18-131

Report Date:  
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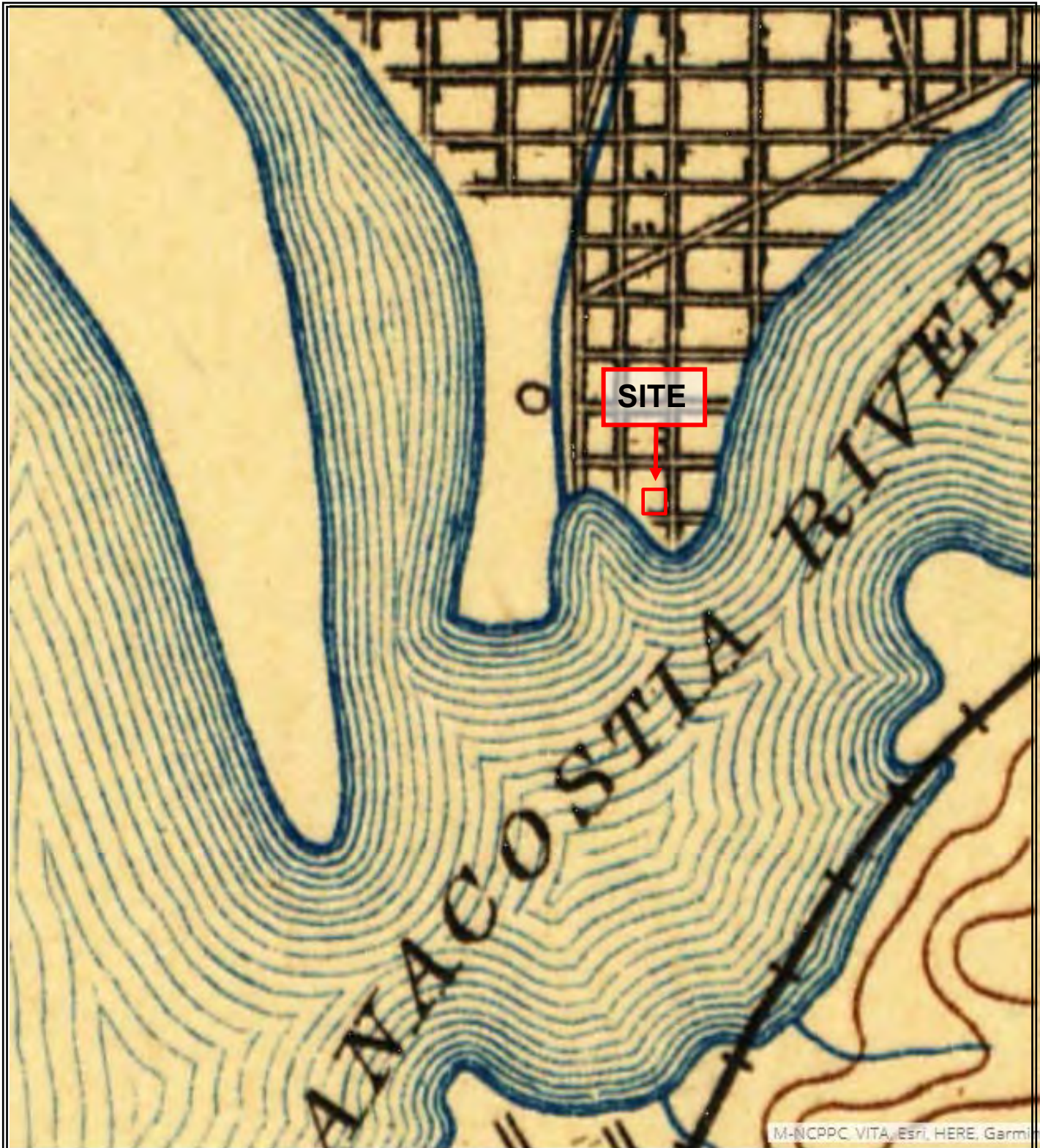


**1890 Historic Topographic Map**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
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June 2020

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**1897 Historic Topographic Map**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
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Report Date:  
June 2020

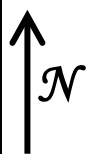
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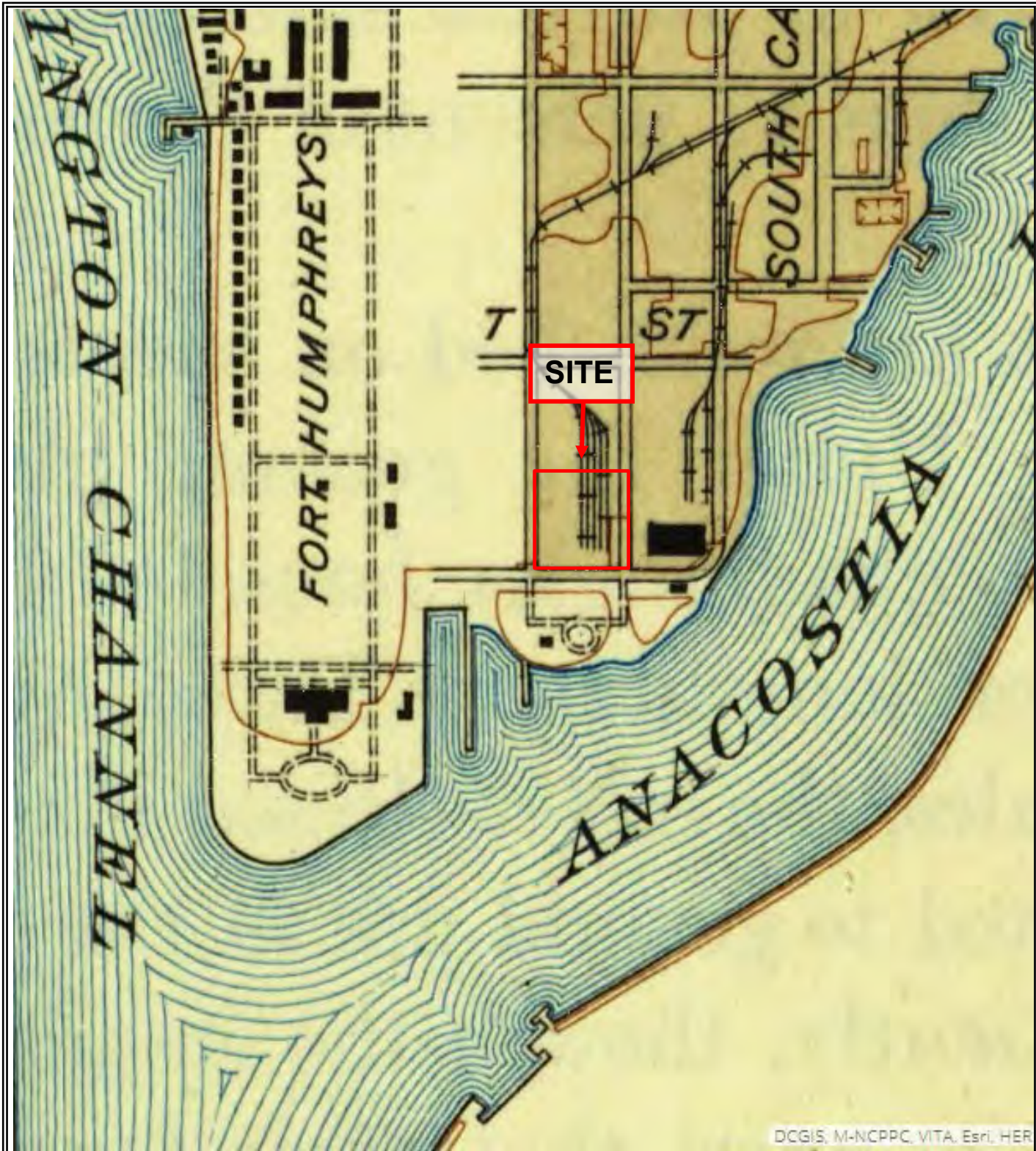


**1900 Historic Topographic Map**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
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Report Date:  
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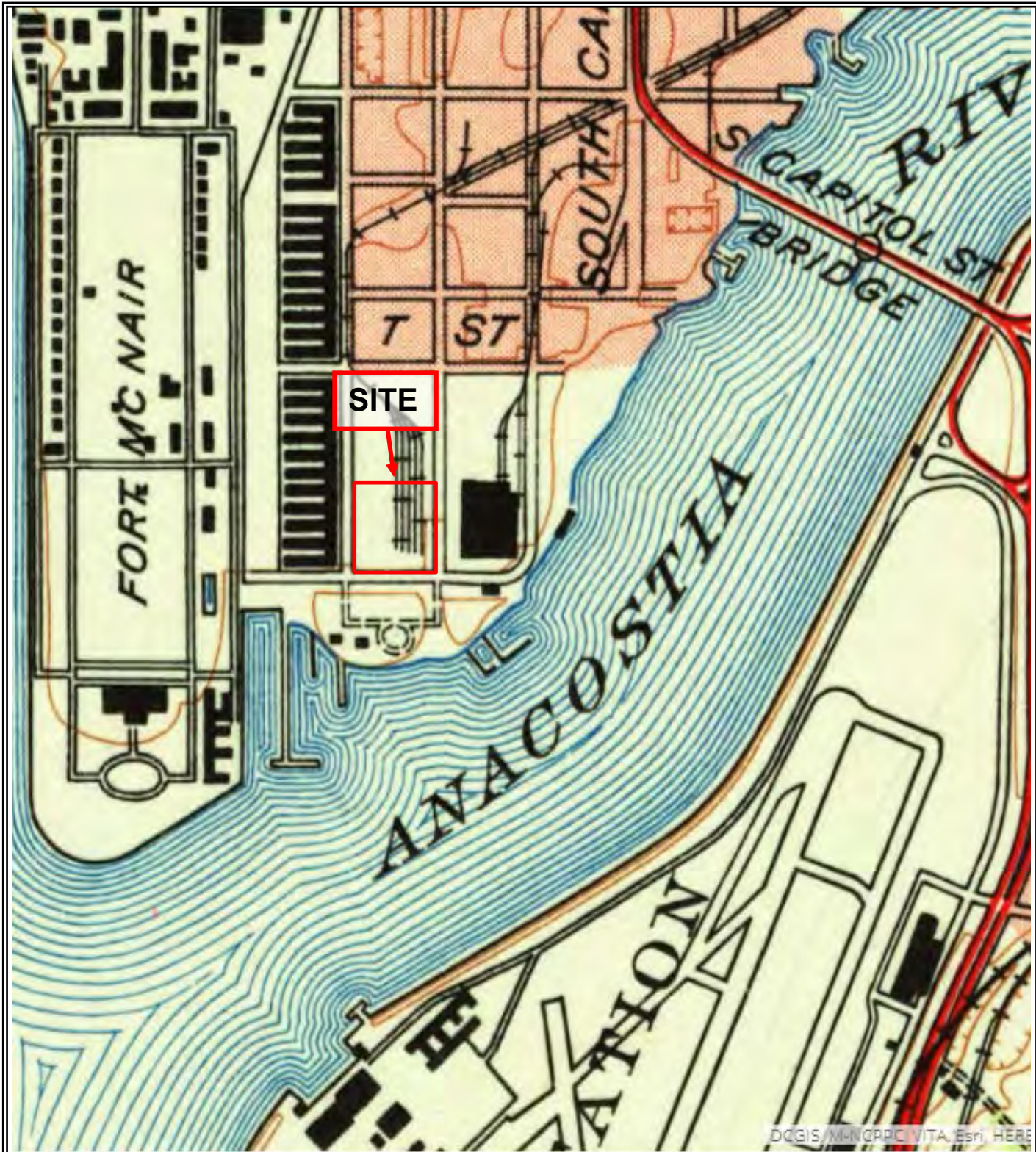


**1945 Historic Topographic Map**  
 Buzzard Point  
 100 V Street SW  
 Washington, DC 20024

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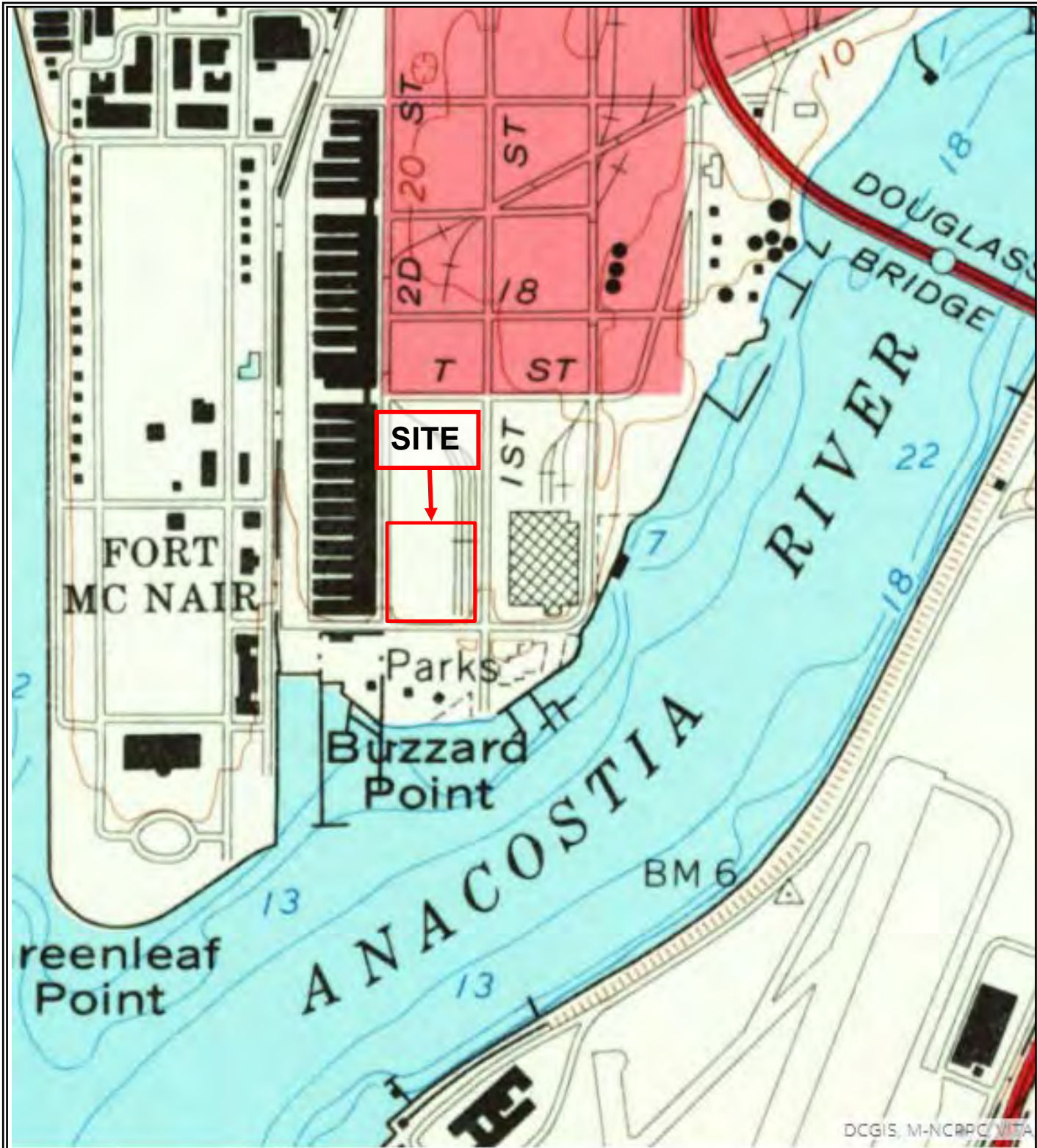


**1951 Historic Topographic Map**  
Buzzard Point  
100 V Street SW  
Washington, DC 20024

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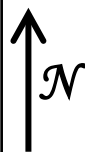
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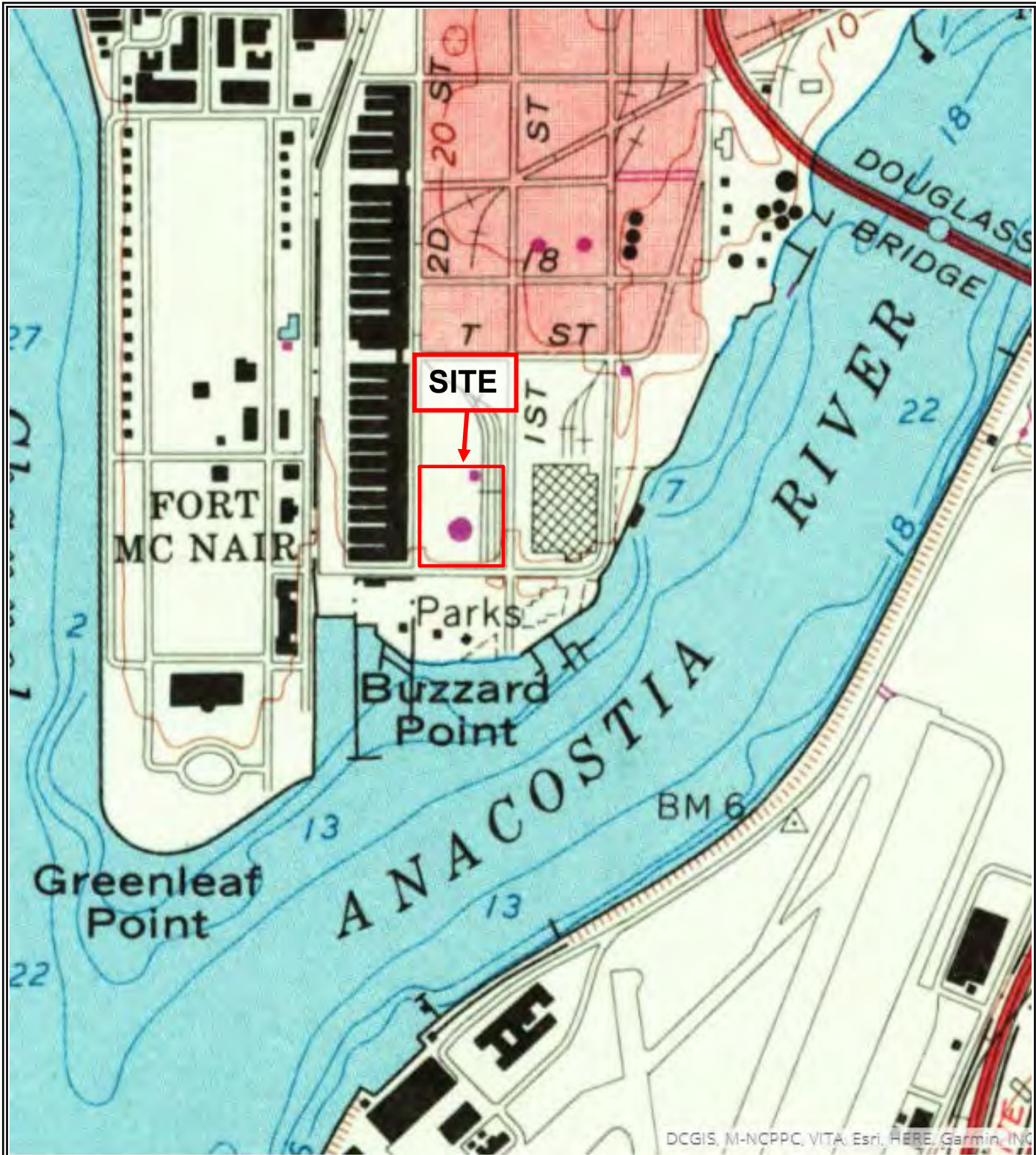
**1965 Historic Topographic Map**  
 Buzzard Point  
 100 V Street SW  
 Washington, DC 20024

AEC Project No.:  
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**1971 Historic Topographic Map**  
 Buzzard Point  
 100 V Street SW  
 Washington, DC 20024

AEC Project No.:  
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Report Date:  
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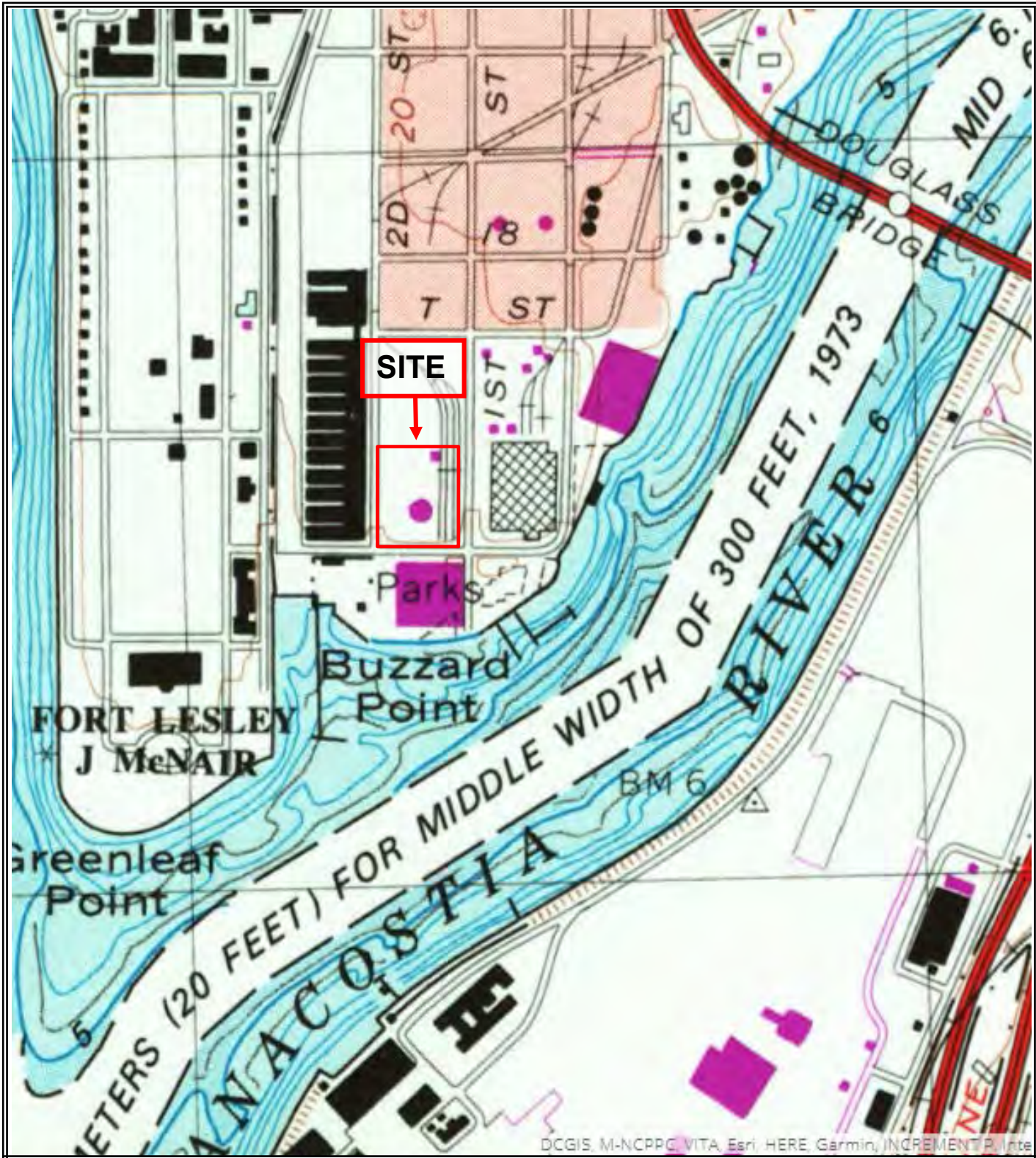


**1979 Historic Topographic Map**  
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 Washington, DC 20024

AEC Project No.:  
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Report Date:  
 June 2020

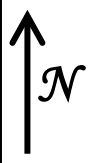
Drawn By:  
 DLL



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**1983 Historic Topographic Map**  
 Buzzard Point  
 100 V Street SW  
 Washington, DC 20024

AEC Project No.: 20-150	Report Date: June 2020	Drawn By: DLL
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June 16, 2020

Wetlands

- |  |                                |  |                                   |  |          |
|--|--------------------------------|--|-----------------------------------|--|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|  | Freshwater Pond                |  | Freshwater Pond                   |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)  
This page was produced by the NWI mapper



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Legend

= Site Boundary



National Wetlands Inventory Map  
100 V Street SW  
Washington, DC 20024

AEC Project No.:  
20-150

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# National Flood Hazard Layer FIRMette



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, X, AE9</i>
		With BFE or Depth
		Regulatory Floodway <i>Zone AE, AO, AH, VE, AR</i>
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes, <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The base map shown complies with FEMA's base map accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **4/23/2018 at 1:22:42 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: base map imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



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 Jessup, Maryland 20794  
 Phone: 301-776-0500 Fax: 301-776-1123

Legend  
 = Site Boundary



**FEMA Flood Map (1100010057C, dated September 27, 2010)**  
 100 V Street SW  
 Washington, DC 20024

AEC Project No.: 20-150

Report Date: June 2020

Drawn By: DLL

**424152**

100 V Street SW  
Washington, DC 20024

Inquiry Number: 6113117.6  
July 07, 2020

# The EDR-City Directory Abstract

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2017. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2017	Cole Information Services	-	X	X	-
2014	Cole Information Services	-	X	X	-
2009	Cole Information Services	-	X	X	-
2006	Haines Company, Inc.	X	X	X	-
2004	Cole Information Services	-	X	X	-
2000	Haines & Company	X	X	X	-
1999	Cole Information Services	-	X	X	-
1994	Cole Information Services	-	-	-	-
1993	The Chesapeake and Potomac Telephone Company of Virginia	X	X	X	-
1983	The Chesapeake Potomac Telephone Co	X	X	X	-
1978	C&P Telephone	X	X	X	-



## EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1973	The Chesapeake Potomac Telephone Co	X	X	X	-
1969	C&P Telephone	X	-	X	-
1964	R. L. Polk & Co.	X	X	X	-
1960	R. L. Polk & Co.	X	-	X	-
1954	R. L. Polk Co.	-	-	-	-
1948	R. L. Polk & Co.	X	X	X	-
1943	R. L. Polk & Co.	X	X	X	-
1940	R. L. Polk & Co.	X	X	X	-
1936	R. L. Polk & Co.	X	X	X	-
1931	R. L. Polk & Co.	X	X	X	-
1926	R. L. Polk & Co.	X	X	X	-
1922	R. L. Polk & Co.	X	X	X	-

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# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

100 V Street SW  
Washington, DC 20024

### FINDINGS DETAIL

Target Property research detail.

### T Street SW

#### 151 T Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
<b>V</b>		
<b>100 V</b>		
<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ALEXANDERW Loraine PARHAM Chevist O	Haines Company, Inc. Haines Company, Inc. Haines Company, Inc.
2000	ALEXANDER W Loraine ROBBINS Hugh R	Haines & Company Haines & Company
1993	ALEXANDER Vincent  ALEXANDER W Loraine  GALLAGHER BOLAND MEIBURGER & BROSNAN JAYS OFFICE SERVICES  Knappen Theodore atty  Law  LAW Ofc  ROBBINS Hugh R	The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia  The Chesapeake and Potomac Telephone Company of Virginia
1983	Law John R DDS Ofc	The Chesapeake Potomac Telephone Co The Chesapeake Potomac Telephone Co
1978	ALEXANDER Alexander Vincent	C&P Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1978	Alexander Morris S Jr	C&P Telephone
	GREENGROCERS Greenhaus Jas	C&P Telephone
	LAW Ofc	C&P Telephone
	ROBERTS Robbins Hugh R	C&P Telephone
1973	ALEXANDER Alexander Morris S Jr	The Chesapeake Potomac Telephone Co
	GREENGROCERS Greenhaus Jas	The Chesapeake Potomac Telephone Co
	ROBB Robbins Hugh R	The Chesapeake Potomac Telephone Co
1969	GREENGROCERS Greenhaus Jas	C&P Telephone
	ROBBINS Robbins Hugh R	C&P Telephone
1964	Beavers John T	R. L. Polk & Co.
	Vacant	R. L. Polk & Co.
1960	Flynn Lois G	R. L. Polk & Co.
	Payne John H	R. L. Polk & Co.
	Williams Robt W	R. L. Polk & Co.
1948	Seese Norman A jr	R. L. Polk & Co.
1943	Lehman Harry F	R. L. Polk & Co.
1940	Lehman Harry F	R. L. Polk & Co.
1936	Lehman Harry F	R. L. Polk & Co.
	Moten Bessie	R. L. Polk & Co.
1931	Klingenhagen Fred J	R. L. Polk & Co.
	Vacant	R. L. Polk & Co.
1926	Burdette Jas W	R. L. Polk & Co.
	Moore Rosa Mrs	R. L. Polk & Co.
1922	Bowman Chas A	R. L. Polk & Co.
	Moore Rose Mrs	R. L. Polk & Co.

### V Street SW

#### 101 V Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
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# FINDINGS

## ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

### 1 SW

#### 2081 1 SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	MOORE Agnes D	The Chesapeake and Potomac Telephone Company of Virginia

### 1ST SW

#### 2007 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Carter Jas H	R. L. Polk & Co.
1926	Carter Jas H	R. L. Polk & Co.
1922	Carter Jas H	R. L. Polk & Co.

#### 2009 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Nelson Robt	R. L. Polk & Co.
1922	Nelson Robt	R. L. Polk & Co.

#### 2011 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Speaks Edw	R. L. Polk & Co.
1922	Bell Annie Mrs	R. L. Polk & Co.

#### 2025 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	cor Corinthian Yacht Club	R. L. Polk & Co.
	Anacostia River	R. L. Polk & Co.
	Sears Danl W	R. L. Polk & Co.
1926	Washington Danl	R. L. Polk & Co.
1922	Sears Danl W	R. L. Polk & Co.

#### 2027 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Spriggs Lloyd	R. L. Polk & Co.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Spriggs Lloyd	R. L. Polk & Co.

### 2029 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Washington Leroy	R. L. Polk & Co.
1922	Hurd Alex	R. L. Polk & Co.

### 2035 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Driver John H	R. L. Polk & Co.
1922	Driver John H	R. L. Polk & Co.

### 1ST ST SW

#### 2007 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Vacant	R. L. Polk & Co.

#### 2009 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Capital City Construction Co	R. L. Polk & Co.

#### 2025 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Vacant	R. L. Polk & Co.
	cor Corinthian Yacht Club	R. L. Polk & Co.
	Seeley Albert H	R. L. Polk & Co.
	Unopened to Xenia	R. L. Polk & Co.
	Anacostia River	R. L. Polk & Co.

#### 2102 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	Anacostia River	R. L. Polk & Co.
	Not open bet Anacostia River and Xenia	R. L. Polk & Co.
	Reece John S used auto parts	R. L. Polk & Co.

#### 2200 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	BUZZARD POINT BOAT	Haines & Company
	COHN Edwin E	Haines & Company
	TOGANS A A	Haines & Company

## FINDINGS

### **2ND ST SW**

#### **2100 2ND ST SW**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
2017	MONDAY PROPERTIES	Cole Information Services
	NATIONAL WAR COLLEGE ALUMNI ASSOCIAT	Cole Information Services
	THE MARKET PLACE	Cole Information Services
	USCG DC	Cole Information Services
	UNITED STATES COAST GUARD	Cole Information Services
2014	MONDAY PROPERTIES	Cole Information Services
	NATIONAL WAR COLLEGE ALUMNI ASSOCIAT	Cole Information Services
	MARKET PLACE THE	Cole Information Services
	UNITED STATES COAST GUARD	Cole Information Services
2006	THE MARKET PLACE	Cole Information Services
	ANDREWDANIEL	Haines Company, Inc.
	COAST GUARD	Haines Company, Inc.
	FDRL CRDT UN	Haines Company, Inc.
	MARKET PLACE THE	Haines Company, Inc.
	PENTAGON	Haines Company, Inc.
	FEDERAL CREDIT	Haines Company, Inc.
	UNION	Haines Company, Inc.
	THE MARKET PLACE	Haines Company, Inc.
	US TRANS CG INFO	Haines Company, Inc.
	US TRANS CG	Haines Company, Inc.
	PERSONNEL	Haines Company, Inc.
	COMMAND	Haines Company, Inc.
VADORVENTURES	Haines Company, Inc.	
2004	NATIONAL WAR COLLEGE ALUMNI	Cole Information Services
	PENTAGON FEDERAL CRDT UNION	Cole Information Services
	COAST GUARD FEDERAL CRDT UNION	Cole Information Services
	USGC FISHERIES LAW ENF DIV	Cole Information Services
	OFFICE OF NAVIGATION SAFETY	Cole Information Services
2000	BUILDING SERVICE MANAGEMENT	Haines & Company
	NATL WAR COLLEGE ALUMNI ASCTN	Haines & Company
	U S DEPT OF TRANSPORTATION	Haines & Company
	US TRANS CG HDQ SUPPORT COMMND	Haines & Company
	US TRANS CG INFO	Haines & Company

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	US TRANS CG PERSONNEL COMMAND	Haines & Company
1999	2100 SECOND STREET INCORPORATED	Cole Information Services
	USCG LAB	Cole Information Services
	U S DEPARTMENT OF TRANSPORTATION	Cole Information Services
	UNITED STATES GOVERNMENT TRANSPORTATION DEPARTMENT	Cole Information Services
	BUILDING SERVICE MANAGEMENT INCORPORATED	Cole Information Services
	NATIONAL WAR COLLEGE ALUMNI ASSOCIATION	Cole Information Services
1993	Carlson Food Systems Inc	The Chesapeake and Potomac Telephone Company of Virginia
	Tamsco	The Chesapeake and Potomac Telephone Company of Virginia
1983	Carlson Food Systems Inc	The Chesapeake Potomac Telephone Co
	Westwood Management Corp	The Chesapeake Potomac Telephone Co
1978	CUSTOM Custom Food Management Systems Inc	C&P Telephone
	OFFICE Office Cleaning Inc	C&P Telephone
	UNITED United States Railway Assoc	C&P Telephone
	WESTWOOD Westwood Management Corp	C&P Telephone

### HALF SW

#### 2101 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Turner Martha	R. L. Polk & Co.
1922	Turner John	R. L. Polk & Co.

#### 2109 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Carney Mary Mrs	R. L. Polk & Co.
1922	Jackson Fannie Mrs	R. L. Polk & Co.

### T ST NE

#### 151 T ST NE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	DISTRICT OF COLUMBIA	Cole Information Services
	WASHINGTON DC TOP LOCKSMITH	Cole Information Services



## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	WASHINGTON DC TOP LOCKSMITH	Cole Information Services
	DISTRICT OF COLUMBIA GOVERNMENT	Cole Information Services
2009	DC YOUTH ENSEMBLE INC	Cole Information Services
	WASHINGTON DC PUBLIC SCHOOLS	Cole Information Services

### THOMAS ST NW

#### 151 THOMAS ST NW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LINDEN COYNE	Cole Information Services
2009	FRANK COYNE	Cole Information Services
2004	JUAN CARDONA	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services

### TODD PL NE

#### 151 TODD PL NE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	MICHAEL CLARK	Cole Information Services
2014	MICHAEL CLARK	Cole Information Services
2009	MICHAEL CLARK	Cole Information Services
2004	MICHAEL CLARK	Cole Information Services
1999	MICHAEL CLARK	Cole Information Services

### TUCKERMAN ST NE

#### 151 TUCKERMAN ST NE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	GREG MAYE	Cole Information Services
2014	GREG MAYE	Cole Information Services
2009	GREG MAYE	Cole Information Services
2004	JACALYN JOYNER	Cole Information Services

### V SW

#### 129 V SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Campbell Fredk	R. L. Polk & Co.

## FINDINGS

### 201 V SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Matthews Geo E	R. L. Polk & Co.

### 229 V SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Brukhouser Chas	R. L. Polk & Co.

### V ST SW

#### 131 V ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Vacant	R. L. Polk & Co.

#### 150 V ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	ELECTRICAL Electrical Security Corp	The Chesapeake Potomac Telephone Co

#### 200 V ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	MOBILE LOCKS & LOCKSMITHS	Cole Information Services
	JAMES CREEK MARINA	Cole Information Services
2014	MOBILE LOCKS & LOCKSMITHS	Cole Information Services
	CHIEF WARRANT & WARRANT OFCR ASSN	Cole Information Services
	JAMES CREEK MARINA	Cole Information Services
2009	JEREMY HECKLER	Cole Information Services
	CHEIF WARRANT & WARRANT OFC ASSN	Cole Information Services
	JAMES CREEK MARINA	Cole Information Services
2006	MARTIN MK	Haines Company, Inc.
	Newman K	Haines Company, Inc.
	RESIDENTIAL	Haines Company, Inc.
	BALLARD	Haines Company, Inc.
	MCWILLIAMS	Haines Company, Inc.
	MARINA	Haines Company, Inc.
	JAMES CREEK	Haines Company, Inc.
	HOWARD Theodore	Haines Company, Inc.
	WRRNTOFCRASSN	Haines Company, Inc.
	CHIEFWRRNT&	Haines Company, Inc.
	BOYD T	Haines Company, Inc.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	JAMES CREEK MARINA	Cole Information Services
2000	SMITH William H	Haines & Company
	NOEL Seville	Haines & Company
	NADEAU Gary J	Haines & Company
	MONTALTO William B	Haines & Company
	LIPPA V E	Haines & Company
	JAMES CREEK MARINA	Haines & Company
	HUNTER Jerry	Haines & Company
	CHIEF WARRANT & WARRANT OFFICERS	Haines & Company
	BURKE John	Haines & Company
	BOONE Herman	Haines & Company
	BEDFORD Jeff	Haines & Company
	BAILEY S	Haines & Company
	APARTMENTS	Haines & Company
1999	CHIEF WARRANT & WARRANT OFFICERS ASSOCIATION USCG	Cole Information Services
	JAMES CREEK MARINA	Cole Information Services
1993	CUNNINGHAM Robert Livingston	The Chesapeake and Potomac Telephone Company of Virginia
	James Creek Marina	The Chesapeake and Potomac Telephone Company of Virginia
	Chief Warrant & Warrant Officers Assn USCG	The Chesapeake and Potomac Telephone Company of Virginia

### 227 V ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Hunt Chas E	R. L. Polk & Co.

### 229 V ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Hunt Thos	R. L. Polk & Co.

### VICTOR ST NE

#### 101 VICTOR ST NE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2017	BRIAN ACORS	Cole Information Services
	ANNIE GORDON	Cole Information Services
2014	ANNIE GORDON	Cole Information Services
2009	EDWARD RADDEN	Cole Information Services

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	ANNIE GORDON	Cole Information Services
2004	ANNIE GORDON	Cole Information Services

### WATER SW

#### 2101 WATER SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Lucas Louise V Mrs	R. L. Polk & Co.
1931	Lucas Louise Mrs	R. L. Polk & Co.

#### 2109 WATER SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Harvel Geo W	R. L. Polk & Co.

### WATER ST SW

#### 2101 WATER ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Johnson Leon	R. L. Polk & Co.
1940	Lucas Louise V Mrs	R. L. Polk & Co.

#### 2109 WATER ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Wesley Smith Seymour	R. L. Polk & Co.

## FINDINGS

### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
101 VICTOR ST NE	2006, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
129 V SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1926, 1922
131 V ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
150 V ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 T ST NE	2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 T ST NE	2017, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 T ST NE	2017, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 T ST NE	2017, 2014, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 THOMAS ST NW	2017, 2014, 2009, 2006, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 THOMAS ST NW	2017, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 THOMAS ST NW	2017, 2014, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 THOMAS ST NW	2017, 2014, 2009, 2006, 2004, 2000, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TODD PL NE	2017, 2014, 2009, 2006, 2000, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TODD PL NE	2017, 2014, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TODD PL NE	2017, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TODD PL NE	2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TUCKERMAN ST NE	2017, 2014, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TUCKERMAN ST NE	2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
151 TUCKERMAN ST NE	2017, 2014, 2009, 2006, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
200 V ST SW	2006, 2000, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
200 V ST SW	2017, 2014, 2009, 2004, 1999, 1994, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

## FINDINGS

### Address Researched

### Address Not Identified in Research Source

2007 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
2007 1ST ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
2009 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
2009 1ST ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
201 V SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1926, 1922
2011 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2025 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
2025 1ST ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
2027 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2029 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2035 1ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2081 1 SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
2100 2ND ST SW	2017, 2014, 2009, 2004, 1999, 1994, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
2100 2ND ST SW	2009, 2006, 2000, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
2101 HALF SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2101 WATER SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1940, 1936, 1926, 1922
2101 WATER ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1936, 1931, 1926, 1922
2102 1ST ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
2109 HALF SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
2109 WATER SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1926, 1922
2109 WATER ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1936, 1931, 1926, 1922
2200 1ST ST SW	2017, 2014, 2009, 2006, 2004, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
227 V ST SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
229 V SW	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1926, 1922

## FINDINGS

### **Address Researched**

229 V ST SW

### **Address Not Identified in Research Source**

2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922

**TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE**

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

**Address Researched**

100 V Street SW

**Address Not Identified in Research Source**

2017, 2014, 2009, 2004, 1999, 1994, 1954





# HISTORICAL DIRECTORY REPORT

for the site:

**Riverpoint - 2100 2nd Street SW**  
 2nd Street Southwest  
 Washington, DC 20593  
 PO #:

Report ID: 20180423009  
 Completed: 4/25/2018

**Ecolog ERIS Ltd.**  
 Environmental Risk Information  
 Service (ERIS)  
 A division of Glacier Media Inc.  
 P: 1.866.517.5204  
 E: info@erisinfo.com

[www.erisinfo.com](http://www.erisinfo.com)



## Search Results Summary

Date	Source	Comment
2016	DIGITAL BUSINESS DIRECTORY	
2011	DIGITAL BUSINESS DIRECTORY	
2006	DIGITAL BUSINESS DIRECTORY	
2000	HAINES	
1995	HAINES	
1990	HAINES	
1986	HAINES	
1981	HAINES	
1970	STREET ADDRESS DIRECTORY	
1965	STREET ADDRESS DIRECTORY	
1960	STREET ADDRESS DIRECTORY	
1955	STREET ADDRESS DIRECTORY	
1950	STREET ADDRESS DIRECTORY	
1945	STREET ADDRESS DIRECTORY	
1940	STREET ADDRESS DIRECTORY	
1935	STREET ADDRESS DIRECTORY	

4/25/2018

RE: CITY DIRECTORY RESEARCH  
Riverpoint - 2100 2nd Street SW  
2nd Street Southwest Washington, DC

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

**Search Criteria:**

2100 BLOCK of 2nd Street Southwest

2100 BROCKETT STEVEN C DDS...Dentists  
 2100 BUTTRICK KELLY L DDS...Dentists  
 2100 COAST GUARD HEADQUARTERS...Military Ba  
 2100 COAST GUARD HEADQUARTERS FCU...Credit  
 2100 COAST GUARD LAW LIBRARY...Federal Gove  
 2100 COAST GUARD LAW LIBRARY...Libraries-pu  
 2100 KOLANDA RICHARD J DDS...Dentists  
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8		*LIBERTY BUILDING SV	863-0253 +0	
9		*TAMSCO	488-8236 +0	
		*US TRANS CG AUX HDQ	267-1077	8
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	US TRANS CG BOATING	426-1060	5
	US TRANS CG INFO	426-2158	5
	US TRANS CG SEARCH	426-1830	5
	WESTWOOD MANAGEMEN	488-1187	9
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	MCLACHLEN BANK	626-0254	5
	OFFICE CLEANERS INC	488-9095	5
	US NATL TRANS SFTY	472-6060	+1
	US RAILWAY ASN	655-4000	
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	WESTWOOD MANAGEME	488-1187	9

**1970**

SOURCE: STREET ADDRESS DIRECTORY

**2ND STREET SOUTHWEST**

NO LISTINGS IN RANGE

**1965**

SOURCE: STREET ADDRESS DIRECTORY

**2ND STREET SOUTHWEST**

NO LISTINGS IN RANGE



**1960**

SOURCE: STREET ADDRESS DIRECTORY

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NO LISTINGS IN RANGE

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SOURCE: STREET ADDRESS DIRECTORY

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NO LISTINGS IN RANGE

**1950**

SOURCE: STREET ADDRESS DIRECTORY

**2ND STREET SOUTHWEST**

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**1945**

SOURCE: STREET ADDRESS DIRECTORY

**2ND STREET SOUTHWEST**

NO LISTINGS IN RANGE

**1940**

SOURCE: STREET ADDRESS DIRECTORY

**2ND STREET SOUTHWEST**

NO LISTINGS IN RANGE

**1935**

SOURCE: STREET ADDRESS DIRECTORY

**2ND STREET SOUTHWEST**

NO LISTINGS IN RANGE

--- END REPORT ---

**APPENDIX F**

**PRIOR REPORTS**

LIMITED PHASE II  
ENVIRONMENTAL INVESTIGATION  
BUZZARD POINT  
2<sup>ND</sup> STREET SW / V STREET SW,  
WASHINGTON, D.C.

*Prepared for*  
Potomac Electric Power Company  
701 Ninth Street, N.W.  
Washington, D.C.

March 22, 2005

**URS**

URS Corporation, Inc.  
200 Orchard Ridge Drive, Suite 101  
Gaithersburg, Maryland 20878  
URS Project No. 15297096

March 22, 2005

Mr. Shahid M. Anis  
Potomac Electric Power Company  
Environmental Management Services  
701 Ninth Street, N.W.  
Washington, D.C. 20068

Re: Limited Phase II Environmental Investigation  
Buzzard Point, 2<sup>nd</sup> Street SW/V Street SW  
Washington, D.C.  
URS Project No. 15297096

Dear Mr. Anis:

URS is pleased to present this letter report outlining the results of our Limited Phase II Investigation at the above-referenced property. This work was conducted in accordance with the proposal by and between URS and Potomac Electric Power Company (PEPCo) dated December 10, 2004.

## **1.0 BACKGROUND**

URS conducted a Phase I Environmental Site Assessment (ESA) of the subject property (Draft Report dated October 13, 2004) for PEPCo that identified a long history of industrial use on the subject property. As a result, past activities conducted on the property (i.e. coal storage and fuel supply for the adjacent generating station) are of environmental concern. In particular, potential leaks from the underground pipeline while it was still in use, as well as pits that may have been oil water separators or were associated with the former underground pipeline in some way, have the potential to create a Recognized Environmental Condition on the subject property. In addition, the following offsite properties were identified that have the potential to create a Recognized Environmental Condition on the subject property:

- the inactive PEPCo generating station (adjacent to the east and crossgradient) which is currently undergoing groundwater remediation,
- the former gas station (adjacent to the north and upgradient) which was identified as having TPH contamination in soil,
- and the former PEPCo storage yard (located at Q and 2<sup>nd</sup> Streets SW, three blocks north and upgradient) which was also identified as having TPH contaminants in soil, and
- the Super Salvage scrap yard (located at R and 1<sup>st</sup> Streets SW, two blocks north and upgradient of the subject property) where large scale waste debris and scrap metal operations were observed being conducted over site soils.

Further investigation was recommended by the Phase I ESA to determine whether the above onsite and offsite concerns have created a Recognized Environmental Condition on the subject property.

The scope of work for the Limited Phase II Environmental Investigation is included as Attachment 1.

## 2.0 FIELD INVESTIGATION

Prior to field mobilization URS contacted the regional public utility location and mark-out service for Washington, D.C. to mark all onsite public underground utilities. Utility lines including a natural gas transmission line and cable television line were marked near the perimeter of the property. None of these utilities conflicted with the boring locations conducted.

On Saturday, January 15, and Sunday, January 16, 2005, URS Corporation and Vironex Environmental Field Services (Vironex) of Glen Burnie, Maryland, the Geoprobe contractor, mobilized to the subject property to conduct field activities. Photographs of field activities are included in Attachment 2. Based on previous investigations conducted in the area of the subject property, local topography, and URS' experience in the area of the subject property, it was estimated that groundwater would be encountered at approximately 15 feet or less below ground surface (bgs) at the subject property.

Sampling locations were selected based on accessibility and proximity to the identified environmental concerns. A total of 12 borings were completed as part of this investigation on the subject property. Four borings (B-1, B-2, B-3 and B-7) were conducted near the northern and eastern boundaries of the subject property that are nearest to the offsite concerns identified above. Three borings (B-4, B-5, and B-6) were conducted near the central portion of the property beneath the former coal storage area and rail spur. Three borings (B-8, B-9, and B-10) were conducted proximate to the onsite petroleum aboveground storage tank (AST), former underground oil pipeline, and concrete pits on the south side of the property. Two borings (B-11 and B-12) were conducted on the south side of the subject property downgradient of the petroleum AST.

At each boring location, a 2-inch diameter, 48-inch long sampler was hydraulically hammered below the ground surface to a depth of 32 feet, until groundwater was encountered, or it was determined that due to the consistent clay composition of the soils observed that groundwater would not be encountered in the boring. Because soils observed at Borings B-2, B-4, B-5, and B-10 were moist and no groundwater was initially encountered, temporary screened PVC pipe was installed at these locations in an attempt to obtain a sufficient groundwater sample volume. The following discusses the individual borings and sampling conducted:

- Borings B-1, B-2, and B-3 (Figure 1) were located near the northern property boundary in order to evaluate if contaminants are migrating onto the subject property from the offsite environmental concerns. At Boring B-1, located at the northwest corner of the subject property, groundwater was encountered at a depth of approximately 15 feet bgs. Soil was collected for laboratory analysis at a depth of 15 feet bgs from Boring B-1. Groundwater was also collected for laboratory analysis from this boring location. Boring B-2 was located near the north central portion of the subject property. A small volume of groundwater was encountered at this location at a depth of approximately 15 feet bgs. Soil was collected for laboratory analysis from a depth of 19 feet bgs. Groundwater was also collected for laboratory analysis from Boring B-2. Boring B-3 was located at the northeast corner of the



subject property. Groundwater was not encountered at this location. Soil was collected from a depth of 13 feet bgs at Boring B-3.

- Borings B-4, B-5, B-6, and B-7 were located near the central and eastern portions of the subject property. Groundwater was encountered at Boring B-4 at a depth of approximately 15 feet bgs. Soil was collected for laboratory analysis at a depth of 15 feet bgs from Boring B-4. Groundwater was also collected for laboratory analysis from this boring location. Groundwater was not encountered at Borings B-5, B-6 and B-7 most likely due to the dense clay layer that was encountered. Soil was collected for laboratory analysis at Borings B-5 and B-6 from a depth of 12 feet bgs and 20 feet bgs, respectively. Soil was collected for laboratory analysis at Boring B-7 at a depth of 15 feet bgs.
- Boring B-8 was located near the AST on the west side of the subject property. Groundwater was encountered at Boring B-8 at a depth of approximately 10 feet bgs. Soil was collected for laboratory analysis at a depth of 10 feet bgs from Boring B-8. Groundwater was also collected for laboratory analysis from this boring location. Boring B-9 was located on the east side of the AST and near the former underground petroleum pipeline. Groundwater was not encountered at Boring B-9. Soil was collected for laboratory analysis at Borings B-9 at a depth of 32 feet bgs. Boring B-10 was located adjacent to and downgradient of the concrete pit located on the southeast side of the subject property. Soil was collected for laboratory analysis at Boring B-10 at a depth of 16 feet bgs. Groundwater was also encountered at Boring B-10 and was collected for laboratory analysis.
- Borings B-11 and B-12 were located along the southern property boundary downgradient of the AST. Groundwater was encountered at both locations at a depth of approximately 12 feet bgs. Soil was collected for laboratory analysis at both B-11 and B-12 at a depth of 12 feet bgs. Groundwater was also collected for laboratory analysis at both of these boring locations.
- Sampling of the liquid contained in the two onsite concrete pits was conducted using a peristaltic pump and silicone sampling tubing that was placed down into the pit.

Following completion of each boring, the borings were either backfilled with the same material removed from the boring or plugged and abandoned with a cement-bentonite grout. The top 6 inches of the boring was filled with an asphalt patch for all borings that were located on the asphalt parking surface.

Groundwater and soils were collected into pre-cleaned glassware. Each sample container was transferred to an ice-filled cooler, and transported under chain of custody to Phase Separation Science, Inc., Baltimore, Maryland. Selected soil and groundwater samples were analyzed for analyzed for VOCs by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270, Priority Pollutant (PP) Metals by EPA Method 6020, TPH Gasoline Range Organics and Diesel Range Organics (TPH-GRO and TPH-DRO) by USEPA Method 8015, and polychlorinated bi-phenyls (PCBs) by EPA Method 8082. Since groundwater could not be obtained

at all boring locations (especially near the central portion of the property), additional laboratory analysis other than that initially proposed was conducted on the samples collected from Boring B-4 per PEPCo's request. Additional sampling or further laboratory analysis was not conducted at other locations based on the absence of field indicators of contamination.

### 3.0 DISCUSSION

No visual or olfactory evidence of contamination was observed in any of the soils observed from any of the boring locations conducted onsite. Field screening of samples was performed on all soil samples at approximately 2-foot intervals using a photoionization detector. No readings above background were obtained for any of the samples. No sheens or odors were observed in any of the groundwater samples or in either of the aqueous samples that were collected from the two concrete pits on the subject property.

The soils encountered onsite primarily consisted of tan, brown, and reddish-brown sandy silt with trace clay to a depth of approximately 8 feet bgs. The soils encountered in the borings at depths below 8 feet were consistent at all of the locations and were comprised of a very dense tan clay and orangeish tan clay with trace fine-grained tan sand, a trace of tan silt, and occasional trace of small and medium-size cobbles. The dense clay material encountered near 8 feet bgs and below was likely the reason for the absence of groundwater in some of the borings.

TPH-GRO and TPH-DRO were not detected in either of the aqueous samples collected from the two concrete pits found onsite. The laboratory analysis is included in Attachment 3.

Summaries of analytical results can be found on Table 1 (water) and Table 2 (soil). Laboratory analysis of all groundwater samples collected indicated that antimony, arsenic and lead were detected in groundwater collected from location B-4 at concentrations higher than acceptable for tap water per EPA Risk-based Concentrations (RBCs). However, the arsenic levels are below the District of Columbia Municipal Regulations (DC criteria) levels, and DC has no criteria for antimony. Additionally, groundwater collected from B-11 (in the apparent downgradient direction of B-4) contained elevated levels of both arsenic and lead.

Laboratory analysis of all soil samples collected indicated that several materials were detected onsite at below-RBC levels. Two materials were detected at higher than RBC levels. Benzo (a) pyrene was detected at B-11. Benzo (a) pyrene is one of a group of compounds called polycyclic aromatic hydrocarbons (PAHs). They are not produced or used commercially but are very commonly found since they are formed as a result of incomplete combustion of organic materials. It is typically found at locations near coal tar, asphalt and vehicle exhaust. Arsenic was also found at the B-11 location at a concentration greater than the RBCs, as well as at boring locations B-3, B-4 and B-5. All of these detections may be indicative of the past onsite use of this property as a coal storage yard. For additional comparison, the average arsenic concentration reported by the USGS (in Element Concentrations in Soils and other Surficial Materials of the Conterminous United States) is 7.2 ppm.

#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this investigation, there is evidence that soil and groundwater has been affected by releases of petroleum hydrocarbons, and the presence of combustion products and metals.

TPH was detected in groundwater at two locations (B-2, at the northern property boundary, and at B-11, downgradient of the AST on the southern portion of the property). Possible sources include releases from an offsite source or onsite historic petroleum transfer operations.

Elevated arsenic in site soils may be due to past site use regarding coal storage, although they may be indicative of localized background concentrations. The elevated arsenic and lead in groundwater may be from upgradient properties, including a former gas station and salvage yard, as the elevated concentrations are higher in the apparent upgradient locations, from prior onsite coal storage, or from area-wide sources. Groundwater in this area is not used for drinking water purposes.

Soil and groundwater conditions at the subject property would not be expected to affect the current land use, thus further investigation of the subject property does not appear to be warranted at this time. The site is currently covered by an asphalt parking lot. However, if development of the subject property requires contact with affected soil and groundwater, further soil and groundwater investigation would be required to evaluate the need for special handling of excavated soil and dewatering disposal.

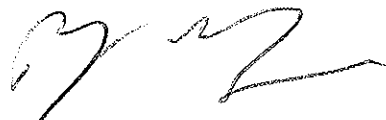
#### 5.0 LIMITATIONS

The results of this investigation apply only to the specific locations sampled and should not be used to predict conditions on other portions of the property. The results should not be used to predict soil or groundwater conditions at other locations or in the future. The results should be used only to meet the objective of this investigation as set forth in the scope of work.

If you have any questions regarding this report, or if URS can be of further assistance, please do not hesitate to call.

Sincerely,

**URS CORPORATION**



Roger Naylor  
Environmental Scientist



Carol Maslanka  
Senior Project Manager

Attachments

**Table 1**  
**Sampling Summary - Water**  
**Buzzard Point Site, Washington, D.C.**

Boring/ Parameter	EP	WP	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	DC Criteria	EPA RBCs
TPH-DRO	ND	ND	ND	ND	NS	ND	NS	NS	NS	ND	NS	ND	550	ND	None	None
TPH-GRO	ND	ND	ND	110	NS	ND	NS	NS	NS	ND	NS	ND	180	ND	None	None
PCB	NA	NA	NA	ND	NS	ND	NS	NS	NS	NA	NS	ND	ND	NA		
VOC																
Naphthalene	NA	NA	NA	NA	NS	ND	NS	NS	NS	NA	NS	ND	ND	NA		
Acetone	NA	NA	NA	NA	NS	19	BS	NS	NS	NA	NS	ND	ND	NA	None	5,500
o-Xylene	NA	NA	NA	NA	NS	1	NS	NS	NS	NA	NS	ND	ND	NA	10,000	210
SVOCs	NA	NA	NA	NA	NS	NA	NS	NS	NS	NA	NS	NA	ND	NA		
PPMetals																
Antimony	NA	NA	NA	NA	NS	32	NS	NS	NS	NA	NS	NA	ND	NA	None	15
Arsenic	NA	NA	NA	NA	NS	15	NS	NS	NS	NA	NS	NA	9.6	NA	50	0.045
Chromium	NA	NA	NA	NA	NS	31	NS	NS	NS	NA	NS	NA	17	NA	100	55,000
Copper	NA	NA	NA	NA	NS	74	NS	NS	NS	NA	NS	NA	91	NA	1,000	1,500
Lead	NA	NA	NA	NA	NS	8,800	NS	NS	NS	NA	NS	NA	1,900	NA	50	None
Mercury	NA	NA	NA	NA	NS	ND	NS	NS	NS	NA	NS	NA	2.1	NA	None	3.7*
Nickel	NA	NA	NA	NA	NS	56	NS	NS	NS	NA	NS	NA	17	NA	None	730
Selenium	NA	NA	NA	NA	NS	ND	NS	NS	NS	NA	NS	NA	11	NA	50	180
Silver	NA	NA	NA	NA	NS	ND	NS	NS	NS	NA	NS	NA	6.4	NA	50	180
Zinc	NA	NA	NA	NA	NS	220	NS	NS	NS	NA	NS	NA	780	NA	5,000	11,000

Note: Only parameters detected are listed on table.  
NA = not included in requested analysis  
NS = not sampled or no groundwater obtained  
ND = not detected above quantitation limit  
Units in micrograms per liter (µg/L or parts per billion)  
U.S. EPA Region III Risk-based Concentrations (RBCs) for tap water, 10/08/2004  
DC Criteria = District of Columbia Municipal Regulations  
\* methylmercury

**Table 2**  
**Sampling Summary - Soil**  
**Buzzard Point Site, Washington, D.C.**

Boring/ Parameter	EP	WP	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	EPA RBCs
TPH-DRO	NS	NS	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	None
TPH-GRO	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND	None
PCB	NS	NS	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	
VOC															
Naphthalene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	ND	0.009	0.079	NA	20,000
SVOC															
Fluoranthene	NS	NS	NA	NA	ND	0.055	ND	NA	NA	NA	NA	NA	ND	NA	41,000
Naphthalene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	3.2	NA	20,000
2-Methylnaphthalene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.1	NA	4,100
Dibenzofuran	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.3	NA	2,000
Fluorene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.6	NA	41,000
Phenanthrene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	8.9	NA	None
Anthracene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.6	NA	310,000
Carbazole	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.0	NA	140
Fluoranthene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	5.7	NA	39
Acenaphthylene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.3	NA	61,000
Pyrene	NS	NS	NA	NA	ND	0.048	ND	NA	NA	NA	NA	NA	5.1	NA	31,000
Benzo (a) anthracene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	2.1	NA	3.9
Benzo(b,k)fluoranthene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	2.8	NA	3.9
Benzo (a) pyrene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.7	NA	0.39
Chrysene	NS	NS	NA	NA	ND	0.055	ND	NA	NA	NA	NA	NA	ND	NA	390
PPMetals															
Arsenic	NS	NS	NA	NA	5.1	3.1	4.9	NA	NA	NA	NA	NA	9.0	NA	1.9
Chromium	NS	NS	NA	NA	19	12	21	NA	NA	NA	NA	NA	11	NA	1,500,000
Copper	NS	NS	NA	NA	17	17	22	NA	NA	NA	NA	NA	26	NA	41,000
Lead	NS	NS	NA	NA	13	84	45	NA	NA	NA	NA	NA	120	NA	None
Mercury	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	0.24	NA	None
Nickel	NS	NS	NA	NA	12	17	9.3	NA	NA	NA	NA	NA	8.5	NA	20,000
Zinc	NS	NS	NA	NA	39	52	34	NA	NA	NA	NA	NA	67	NA	310,000

Note: Only parameters detected are listed on table.  
 NA = not included in requested analysis  
 NS = not sampled  
 ND = not detected above quantitation limit

Units expressed in milligrams per kilogram (mg/kg or parts per million)  
 U.S. EPA Region III Risk-based Concentrations (RBCs), industrial soil, 10/2004  
 DC Criteria are not available for soils at non-UST sites.

**Attachment 1**  
**Scope of Work**



December 10, 2004

Ms. Gail S. Kingman  
Strategic Sourcing  
Potomac Electric Power Company  
701 Ninth Street NW, Room 9441  
Washington DC 20068-0001

**Subject: Limited Phase II Investigation  
Buzzard Point Site  
Squares 609 and 611  
2<sup>nd</sup> Street SW/V Street SW  
Washington, D.C.  
Proposal No. PHI- 005 revised**

Dear Ms. Kingman:

As requested by Mr. Shahid Anis, URS Corporation (URS) is pleased to offer Potomac Electric Power Company (PEPCo) this proposal to conduct a Limited Phase II Investigation at the above-referenced property. URS conducted a Phase I Environmental Site Assessment (ESA) of the subject property on September 16, 2004 (draft report dated October 13, 2004). Based on a review of available information, it is apparent that the subject property has a long history of industrial use. As a result, past activities conducted on the property (i.e. coal storage and fuel supply for the adjacent generating station) are of concern. In particular, potential leaks from the underground pipeline while it was still in use, as well as the pits that may have been oil water separators or were associated with the former underground pipeline in some way, have the potential to create a Recognized Environmental Condition on the subject property.

In addition, the Phase I ESA identified the following offsite properties that are likely to create a Recognized Environmental Conditions on the subject property:

- the inactive PEPCo generating station (adjacent to the east and crossgradient) which is currently undergoing groundwater remediation;
- the former gas station (adjacent to the north and upgradient) which was identified as having TPH contamination in soil;
- the former PEPCo storage yard (located at Q and 2<sup>nd</sup> Streets SW) which was also identified has having TPH contaminants in soil; and
- the Super Salvage scrap yard (located at R and 1<sup>st</sup> Streets SW) where large scale waste debris and scrap metal operations were observed being conducted over site soils.

URS Corporation  
200 Orchard Ridge Drive, Suite 101  
Gaithersburg, MD 20878-1978  
301-258-9780 Phone  
301-869-8728 Fax



Ms. Gail Kingman  
Potomac Electric Power Company  
December 10, 2004  
Page 2 of 6

A Limited Phase II investigation is recommended to evaluate potential impacts from the onsite and offsite concerns identified.

## 1.0 PROPOSED INVESTIGATION

URS proposes to conduct a Limited Phase II Investigation to evaluate potential impacts associated with the onsite historical uses and from the offsite concerns to the soil and groundwater beneath the subject property. The proposed Limited Phase II will include using direct-push drilling (e.g., Geoprobe) to acquire samples of subsurface soils and groundwater. The Phase II Investigation is not intended to assess the extent of contamination, if any. Rather, a limited number of samples will be collected to evaluate the presence or absence of subsurface contamination.

URS will subcontract with a qualified Geoprobe contractor and analytical laboratory for the proposed investigation.

URS proposes to conduct the following tasks for this investigation:

### Task 1 – Utility Clearance

The public utility locating service (i.e., Miss Utility) will be called to mark public utilities. URS will review available site-specific utility plans and locate the proposed borings at locations that should not impact subsurface utilities. URS and our subcontractors will not be responsible for any damage to underground utilities.

### Task 2 - Field Investigation

URS' Geoprobe subcontractor will mobilize to the subject property and will collect samples from approximately 12 boring locations as indicated on the attached figure. Three borings will be conducted proximate to the onsite oil storage tank, former underground oil pipeline and pits on the south side of the property. Four borings will be conducted near the northern and eastern boundaries of the subject property that are nearest to the offsite concerns identified above. Three borings will be conducted near the central portion of the property beneath the former coal storage area and rail spur. Two borings will be conducted on the south side of the subject property downgradient of the oil storage tank. Due to the presence of underground equipment, utilities and other obstructions, exact boring locations will be determined in the field prior to sampling. At each location, a truck-mounted hydraulic sampling probe will be pushed or driven until groundwater is first encountered (if less than 30 feet). Using the dedicated soil sampling probe, soil samples will be obtained to the top of the water table as observed during sampling. One soil sample per boring exhibiting elevated





levels of volatile organic compounds (VOCs) based on field screening with a photoionization detector (PID), or visual signs of contamination will be selected for subsequent laboratory analysis. If no signs of contamination are present in a boring, one representative soil sample from each boring will be selected for laboratory analysis.

Following soil sampling, the probe will be removed and equipped with the groundwater sampling probe and reintroduced into the borehole to obtain a groundwater sample. To avoid sample disturbance and loss of volatiles, the water sample will be collected using dedicated polypropylene bailers or tubing. The sample will be collected into pre-cleaned laboratory bottles. Groundwater is expected to be encountered at approximately 15 feet below ground surface (bgs). If no groundwater is encountered at a depth of 30 feet bgs or less, no groundwater samples will be collected.

In addition to the samples collected from the boring locations, one grab sample of the liquid contained in each of the two onsite pits will be collected for laboratory analysis.

The soil and water samples will be analyzed for VOCs by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270, Priority Pollutant (PP) Metals by EPA Method 200.8, TPH Gasoline Range Organics and Diesel Range Organics (TPH-GRO and TPH-DRO) by USEPA Method 8015, and polychlorinated bi-phenyls (PCBs) by EPA Method 8082. Additional sampling will be considered if evidence of contamination is noted. For cost reasons, not all samples collected will be analyzed for all of these parameters. The proposed laboratory analysis for each sample location is shown in the table below.

Proposed Laboratory Analysis (soil and groundwater)  
Buzzard Point Site  
Washington, D.C.

Proposed Sample Location	Proposed Parameters For Laboratory Analysis
Borings 1, 4, 8 and 12	TPH-DRO, TPH-GRO
Borings 2, 6 and 7	TPH-DRO, TPH-GRO, PCBs
Borings 3, 5 and 11	TPH-DRO, TPH-GRO, VOCs, SVOCs, PP Metals, PCBs
Borings 9 and 10	TPH-DRO, TPH-GRO, VOCs, PCBs
Two Pits Beside Oil Tank (water only)	TPH-DRO, TPH-GRO



All boring locations will be properly abandoned and the ground surface repaired to match existing grade upon completion of sampling.

Task 3 - Data Evaluation and Reporting

Upon receipt and evaluation of the analytical results, URS will prepare a letter report which discusses the field activities, drawings showing sampling locations and results obtained, and conclusions and recommendations. The analytical results will be compared to the Washington D.C. Soil and Groundwater Clean-up Standards. Depending on the results of the sampling, additional investigation involving the collection of additional soil and groundwater samples may be necessary.

**2.0 SCHEDULE**

URS is prepared to begin work shortly following authorization to proceed. Subject to utility clearance and Geoprobe subcontractor availability, soil and groundwater sampling activities can be completed within two weeks of site access. Offsite laboratory analysis will be completed in five business days. URS' draft report will be submitted within one week of receipt of final analytical data. In summary, the Phase II investigation will be completed in approximately four weeks from our receipt of authorization to proceed. The proposed schedule assumes that there will be no delays due to site access, equipment malfunctions, weather conditions or other events beyond URS' control. PEPCo shall arrange site access for URS personnel and subcontractor with the current tenant (National Geospatial Intelligence Agency) for completion of the fieldwork at a mutually acceptable time.

**3.0 ESTIMATED FEE AND TERMS AND CONDITIONS**

URS proposes to conduct the scope of services described in Section 1.0 on a time and expense basis as follows:

URS Labor:

- Principal Engineer/Scientist
- Project Engineer/Scientist
- Industrial Hygienist
- Project Engineer/Scientist
- Graduate Engineer/Scientist
- Word Processing/Graphics

**Subtotal**



Ms. Gail Kingman  
Potomac Electric Power Company  
December 10, 2004  
Page 5 of 6

Subcontractors: (assumes 2-field days)

Geoprobe Sampling  
(includes mobilization, disposable equipment, decon)  
Premium for weekend work (\$400/day)

**Subtotal**

Laboratory Analysis

Groundwater, Soil, Pit Samples (as shown on page 3 of this proposal).

VOCs  
SVOCs  
PP metals  
TPH-GRO  
TPH-DRO  
PCBs

**Subtotal**

Equipment and Expenses (assumes 2-days in field)

PID  
Expenses

**Subtotal**

**Total (URS Labor, Subs., Equipment and Expenses)**

We will not exceed our cost estimate without prior authorization from the Client. Any variations to the schedule, scope of work, or site description may require a modification of the project fee. The fee quoted in this section is valid for a period of 30 days.

URS proposes to conduct the scope of services described in Section 2.0 in accordance with the same terms and conditions as the Phase I ESA that was conducted by URS.



Ms. Gail Kingman  
Potomac Electric Power Company  
December 10, 2004  
Page 6 of 6

If you have any questions regarding this proposal or require any additional information, please do not hesitate to call. We look forward to assisting you on this project.

Sincerely,  
**URS Corporation**

Carol Maslanka  
Senior Project Manager

Greg Deaver  
Vice President

By: \_\_\_\_\_  
Authorization By Party Guaranteeing Payment  
Limited Phase II Investigation  
Buzzard Point Site

\_\_\_\_\_  
Printed Name and Title of Signatory

\_\_\_\_\_  
Date

P:\Gaithersburg\15297096.01000-PEPCO BUZZARD\PEPCO BUZZARD 2.CDR (02/03/05) SS



PARKING LOT

Ft. McNAIR BUILDING

JAMES CREEK MARINA

LEGEND:

⊕ Boring Location

SUPER SALVAGE

S STREET SW

STORAGE BUILDING

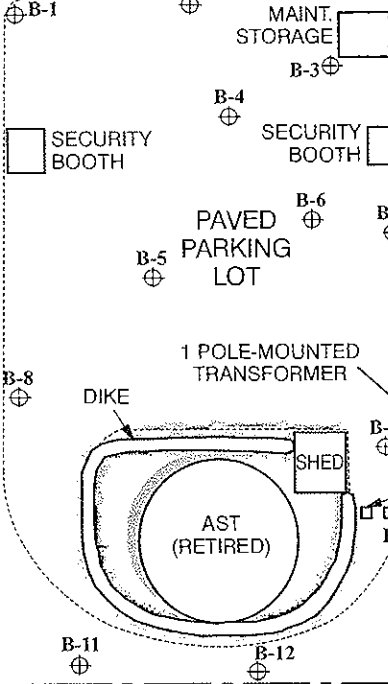
PARKING LOT (FORMER GAS STATION)

T STREET SW

1 POLE-MOUNTED TRANSFORMER

2nd STREET SW

1st STREET SW



V STREET SW

US COAST GUARD HEADQUARTERS OFFICE BUILDING

FIGURE 1 BORING LOCATION MAP PEPCO-BUZZARD POINT 2nd ST SW/V ST SW WASHINGTON, D.C.

PEPCO # 2 OIL TANK YARD

PEPCO GAS COMBUSTION TURBINE YARD (COURTYARD)

PEPCO TURBINE COMBUSTION YARD (ACTIVE)

(INACTIVE) PEPCO GENERATING STATION

VACANT, VEGETATED LOT

NOT TO SCALE



**Attachment 2**  
**Site Photographs**

**Client Name:**  
Potomac Electric Power Company

**Site Location:**  
Buzzard Point, 2<sup>nd</sup> Street and V Street, S.W.,  
Washington, D.C.

**Project No.**  
15297096.01000

**Photo No.**  
1

**Date:**  
1-15-05

**Direction Photo Taken:**

West-northwest

**Description:**

Boring being conducted on the central portion of the subject property.



**Photo No.**  
2

**Date:**  
1-16-05


**Direction Photo Taken:**


North

**Description:**

Boring B-3 being conducted on the northeast corner of the subject property.



<b>Client Name:</b> Potomac Electric Power Company		<b>Site Location:</b> Buzzard Point, 2 <sup>nd</sup> Street and V Street, S.W., Washington, D.C.	<b>Project No.</b> 15297096.01000
<b>Photo No.</b> 3	<b>Date:</b> 1-16-05		
<b>Direction Photo Taken:</b>  East			
<b>Description:</b>  Groundwater being pumped from Boring B-10. Silicon tubing and a small pump are used to pump groundwater into sample bottles.			

<b>Photo No.</b> 4	<b>Date:</b> 1-15-05	
<b>Direction Photo Taken:</b>  Northeast		
<b>Description:</b>  Boring B-9 being conducted near the southeast portion of the subject property.		



**Client Name:**

Potomac Electric Power Company

**Site Location:**Buzzard Point, 2<sup>nd</sup> Street and V Street, S.W.,  
Washington, D.C.**Project No.**

15297096.01000

**Photo No.**  
5**Date:**  
1-15-05**Direction Photo Taken:**

West

**Description:**

West pit located adjacent to the petroleum AST.

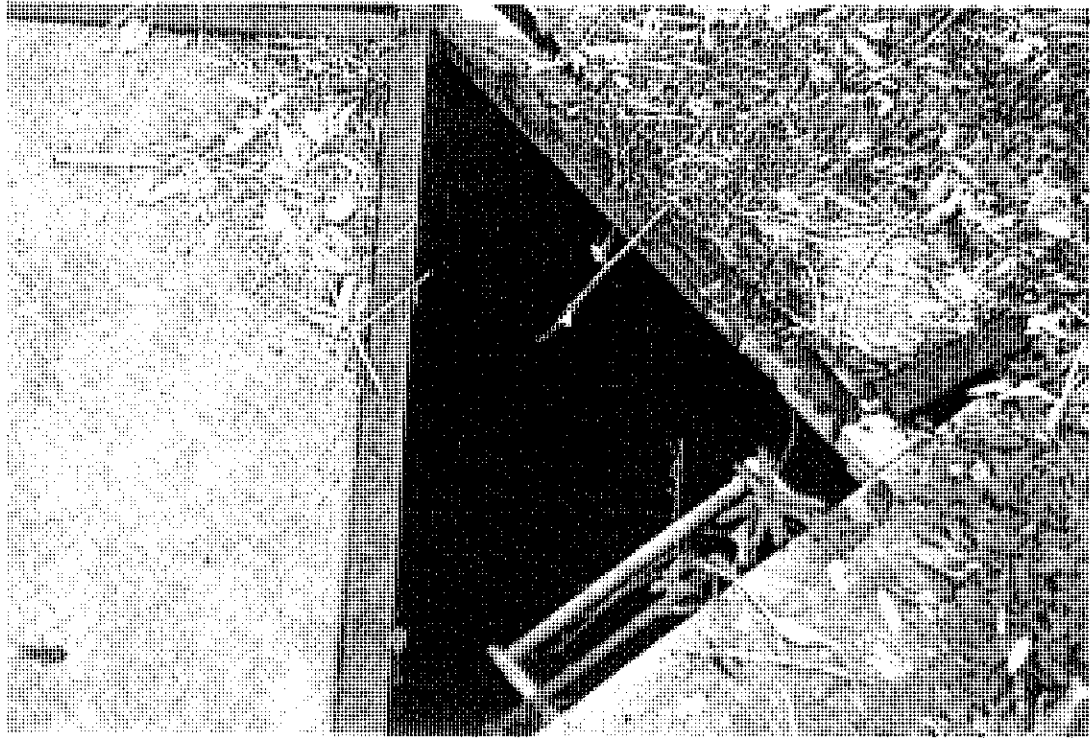
**Photo No.**  
6**Date:**  
1-15-05**Direction Photo Taken:**


East

**Description:**

East pit located adjacent to the fence near the southeast corner of the subject property.



<b>Client Name:</b> Potomac Electric Power Company		<b>Site Location:</b> Buzzard Point, 2 <sup>nd</sup> Street and V Street, S.W., Washington, D.C.	<b>Project No.</b> 15297096.01000
<b>Photo No.</b> 7	<b>Date:</b> 1-15-05		
<b>Direction Photo Taken:</b> NA			
<b>Description:</b> Interior of west pit. Liquid is present in the pit approximately 8 feet below ground surface.			

<b>Photo No.</b> 8	<b>Date:</b> 1-16-05	
<b>Direction Photo Taken:</b> Southeast		
<b>Description:</b> PVC tubing and silicon sampling tubing at Boring B-10 located on the southeast corner of the subject property.		

**Attachment 3**  
**Laboratory Analytical Results**

# PHASE SEPARATION SCIENCE, INC.

Analytical Chemistry Environmental Science

## LABORATORY RESULTS

DATE RECEIVED: January 18, 2005

PROJECT: Buzzards Point

Project #: 15297096.01000

CERTIFICATE OF ANALYSIS #: 05011801

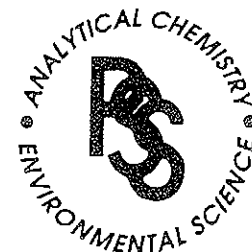
### PREPARED FOR:

URS Corporation  
200 Orchard Drive, Ste. 101  
Gaithersburg, MD 20878

January 28, 2005

OFFICES:  
 6630 BALTIMORE NATIONAL PIKE  
 ROUTE 40 WEST  
 BALTIMORE, MARYLAND 21228  
 410-747-8770  
 800-932-9047  
 410-788-8723 Fax  
 www.phaseonline.com

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 1 of 48

URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

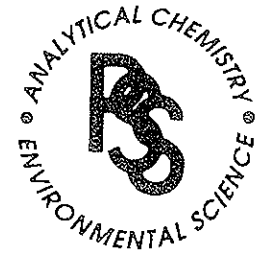
Date Sampled: 01/15/05 9:00

Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>B-11 / 05011801-01 / Ground Water</b>							
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1221	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1232	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1242	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1248	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1254	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1260	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
<b>Priority Pollutant Metals</b>							
Antimony	ND	ug/L	EPA 6020	5	01/19/05	01/20/05 15:16	LM
Arsenic	9.6	ug/L	EPA 6020	5	01/19/05	01/20/05 15:16	LM
Beryllium	ND	ug/L	EPA 6020	4	01/19/05	01/20/05 15:16	LM
Cadmium	ND	ug/L	EPA 6020	5	01/19/05	01/20/05 15:16	LM
Chromium	17	ug/L	EPA 6020	5	01/19/05	01/20/05 15:16	LM
Copper	91	ug/L	EPA 6020	5	01/19/05	01/20/05 15:16	LM
Lead	1,900	ug/L	EPA 6020	5	01/19/05	01/20/05 15:16	LM
Mercury	2.1	ug/L	EPA 6020	1	01/19/05	01/20/05 15:16	LM
Nickel	17	ug/L	EPA 6020	5	01/19/05	01/20/05 15:16	LM
Selenium	11	ug/L	EPA 6020	5	01/19/05	01/20/05 15:16	LM
Silver	6.4	ug/L	EPA 6020	5	01/19/05	01/20/05 15:16	LM
Thallium	ND	ug/L	EPA 6020	2	01/19/05	01/21/05 11:27	LM
Zinc	780	ug/L	EPA 6020	50	01/19/05	01/20/05 15:16	LM
<b>Target Compound List - SEMIVOLATILES</b>							
Phenol	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Bis (2-chloroethyl) ether	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2-Chlorophenol	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2-Methylphenol	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Bis (2-chloroisopropyl) ether	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Acetophenone	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
3,4-Methylphenol	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
N-Nitroso-di-n-propylamine	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Hexachloroethane	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Nitrobenzene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Isophorone	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2-Nitrophenol	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2,4-Dimethylphenol	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW

OFFICES:  
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 800-932-9047  
 410-788-8723 Fax  
 www.phaseonline.com

# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 2 of 48

URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

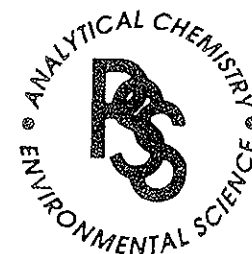
Date Sampled: 01/15/05 9:00

Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-11 / 05011801-01 / Ground Water</b>							
<b>Target Compound List - SEMIVOLATILES</b>							
Bis (2-chloroethoxy) methane	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2,4-Dichlorophenol	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Naphthalene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
4-Chloroaniline	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Hexachlorobutadiene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Caprolactam	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
4-Chloro-3-methylphenol	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2-Methylnaphthalene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Hexachlorocyclopentadiene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2,4,6-Trichlorophenol	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2,4,5-Trichlorophenol	ND	ug/L	EPA 8270	20	01/21/05	01/27/05 19:53	BW
1,1-Biphenyl	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2-Chloronaphthalene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2-Nitroaniline	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Dimethyl phthalate	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2,6-Dinitrotoluene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Acenaphthylene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
3-Nitroaniline	ND	ug/L	EPA 8270	20	01/21/05	01/27/05 19:53	BW
Acenaphthene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2,4-Dinitrophenol	ND	ug/L	EPA 8270	20	01/21/05	01/27/05 19:53	BW
4-Nitrophenol	ND	ug/L	EPA 8270	20	01/21/05	01/27/05 19:53	BW
Dibenzofuran	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
2,4-Dinitrotoluene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Diethyl phthalate	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Fluorene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
4-Chlorophenyl phenyl ether	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
4-Nitroaniline	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
4,6-Dinitro-2-methylphenol	ND	ug/L	EPA 8270	20	01/21/05	01/27/05 19:53	BW
N-Nitrosodiphenylamine	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
4-Bromophenyl phenyl ether	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Hexachlorobenzene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Atrazine	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Pentachlorophenol	ND	ug/L	EPA 8270	20	01/21/05	01/27/05 19:53	BW
Phenanthrene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Anthracene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 3 of 48

URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

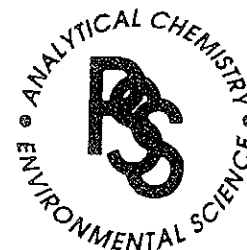
Date Sampled: 01/15/05 9:00

Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>B-11 / 05011801-01 / Ground Water</b>							
<b>Target Compound List - SEMIVOLATILES</b>							
Carbazole	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Di-n-butyl phthalate	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Fluoranthene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Pyrene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Butyl benzyl phthalate	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
3,3-Dichlorobenzidine	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Benzo (a) anthracene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Chrysene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Bis (2-ethylhexyl) phthalate	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Di-n-octyl phthalate	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Benzo (b,k) fluoranthene	ND	ug/L	EPA 8270	20	01/21/05	01/27/05 19:53	BW
Benzo (a) pyrene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Indeno (1,2,3-cd) pyrene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Dibenzo (a,h) anthracene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
Benzo (g,h,i) perylene	ND	ug/L	EPA 8270	10	01/21/05	01/27/05 19:53	BW
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Chloromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Vinyl chloride	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Bromomethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Chloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Trichlorofluoromethane	ND	ug/L	EPA 8260	5	01/18/05	01/18/05 21:36	MI
1,1-Dichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,1,2-Trichlorotrifluoroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Acetone	ND	ug/L	EPA 8260	10	01/18/05	01/18/05 21:36	MI
Carbon Disulfide	ND	ug/L	EPA 8260	10	01/18/05	01/18/05 21:36	MI
Methyl Acetate	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Methylene chloride	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
trans-1,2-Dichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Methyl-t-Butyl Ether	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,1-Dichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
cis-1,2-Dichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
2-Butanone (MEK)	ND	ug/L	EPA 8260	50	01/18/05	01/18/05 21:36	MI
Chloroform	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,1,1-Trichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI

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## CERTIFICATE OF ANALYSIS

No. 05011801 Page 4 of 48

URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 9:00

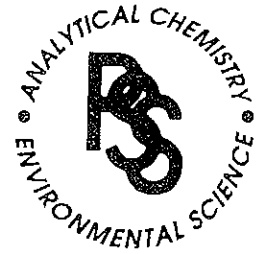
Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>B-11 / 05011801-01 / Ground Water</b>							
<b>Target Compound List - VOLATILES</b>							
Cyclohexane	ND	ug/L	EPA 8260	5	01/18/05	01/18/05 21:36	MI
Carbon tetrachloride	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Benzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,2-Dichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Trichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Methylcyclohexane	ND	ug/L	EPA 8260	5	01/18/05	01/18/05 21:36	MI
1,2-Dichloropropane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Bromodichloromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
cis-1,3-Dichloropropene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
4-Methyl-2-Pentanone (MIBK)	ND	ug/L	EPA 8260	10	01/18/05	01/18/05 21:36	MI
Toluene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
trans-1,3-Dichloropropene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,1,2-Trichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Tetrachloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
2-Hexanone (MBK)	ND	ug/L	EPA 8260	10	01/18/05	01/18/05 21:36	MI
Dibromochloromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,2-Dibromoethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Chlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Ethylbenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
m&p-Xylene	ND	ug/L	EPA 8260	2	01/18/05	01/18/05 21:36	MI
o-Xylene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Styrene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Bromoform	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Isopropylbenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,1,2,2-Tetrachloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,3-Dichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,4-Dichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,2-Dichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,2-Dibromo-3-chloropropane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
1,2,4-Trichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
Naphthalene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 21:36	MI
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	180	ug/L	EPA 8015B	100	01/19/05	01/19/05 14:27	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	0.55	mg/L	EPA 8015B	0.5	01/21/05	01/21/05 16:42	BW



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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 5 of 48

URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
Site Location: Washington DC  
Project Number: 15297096.01000

Date Sampled: 01/15/05 9:00

Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
B-11 / 05011801-01 / Ground Water							

Notes/Comments:

PQL - Practical Quantitation Limit

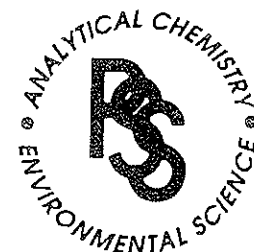
ND - Not Detected at a concentration greater than or equal to the PQL.

Reviewed By:

Quality Assurance Chemist

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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 6 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 9:45  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-12 / 05011801-02 / Ground Water</b>							
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/L	EPA 8015B	100	01/18/05	01/18/05 18:28	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/L	EPA 8015B	0.5	01/21/05	01/21/05 15:59	BW

Notes/Comments:

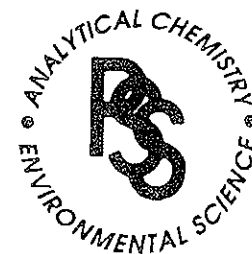
PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

Reviewed By: *Latw AS*  
 Quality Assurance Chemist

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 7 of 48

URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

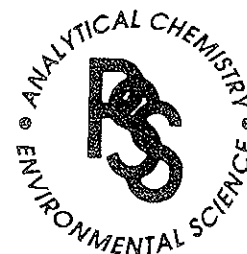
Date Sampled: 01/16/05 15:00

Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>B-10 / 05011801-03 / Ground Water</b>							
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1221	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1232	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1242	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1248	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1254	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
Aroclor 1260	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:08	XW
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Chloromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Vinyl chloride	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Bromomethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Chloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Trichlorofluoromethane	ND	ug/L	EPA 8260	5	01/18/05	01/18/05 22:01	MI
1,1-Dichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,1,2-Trichlorotrifluoroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Acetone	ND	ug/L	EPA 8260	10	01/18/05	01/18/05 22:01	MI
Carbon Disulfide	ND	ug/L	EPA 8260	10	01/18/05	01/18/05 22:01	MI
Methyl Acetate	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Methylene chloride	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
trans-1,2-Dichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Methyl-t-Butyl Ether	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,1-Dichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
cis-1,2-Dichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
2-Butanone (MEK)	ND	ug/L	EPA 8260	50	01/18/05	01/18/05 22:01	MI
Chloroform	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,1,1-Trichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Cyclohexane	ND	ug/L	EPA 8260	5	01/18/05	01/18/05 22:01	MI
Carbon tetrachloride	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Benzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,2-Dichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Trichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Methylcyclohexane	ND	ug/L	EPA 8260	5	01/18/05	01/18/05 22:01	MI
1,2-Dichloropropane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Bromodichloromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 8 of 48

URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 15:00

Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-10 / 05011801-03 / Ground Water</b>							
<b>Target Compound List - VOLATILES</b>							
cis-1,3-Dichloropropene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
4-Methyl-2-Pentanone (MIBK)	ND	ug/L	EPA 8260	10	01/18/05	01/18/05 22:01	MI
Toluene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
trans-1,3-Dichloropropene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,1,2-Trichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Tetrachloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
2-Hexanone (MBK)	ND	ug/L	EPA 8260	10	01/18/05	01/18/05 22:01	MI
Dibromochloromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,2-Dibromoethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Chlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Ethylbenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
m&p-Xylene	ND	ug/L	EPA 8260	2	01/18/05	01/18/05 22:01	MI
o-Xylene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Styrene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Bromoform	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Isopropylbenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,1,2,2-Tetrachloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,3-Dichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,4-Dichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,2-Dichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,2-Dibromo-3-chloropropane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
1,2,4-Trichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
Naphthalene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:01	MI
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/L	EPA 8015B	100	01/18/05	01/18/05 19:00	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/L	EPA 8015B	0.5	01/21/05	01/21/05 15:59	BW

Notes/Comments:

PQL - Practical Quantitation Limit

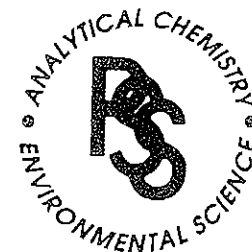
ND - Not Detected at a concentration greater than or equal to the PQL.

Reviewed By:         

Quality Assurance Chemist

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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
No. 05011801 Page 9 of 48  
**URS Corporation - Gaithersburg**  
January 31, 2005

Project: Buzzards Point  
Site Location: Washington DC  
Project Number: 15297096.01000

Date Sampled: 01/15/05 12:30  
Date Received: 01/18/05 10:00

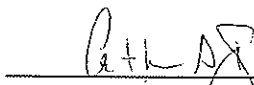
	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: EP / 05011801-04 / Liquid</b>							
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/L	EPA 8015B	100	01/18/05	01/18/05 19:33	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/L	EPA 8015B	0.5	01/21/05	01/21/05 14:34	BW

Notes/Comments:

PQL - Practical Quantitation Limit

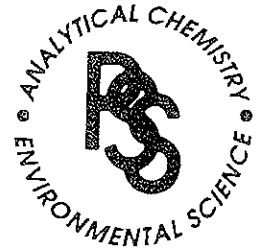
ND - Not Detected at a concentration greater than or equal to the PQL.

Reviewed By: \_\_\_\_\_

  
Quality Assurance Chemist

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CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 10 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 12:55  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: WP / 05011801-05 / Liquid</b>							
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/L	EPA 8015B	100	01/18/05	01/18/05 20:05	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/L	EPA 8015B	0.5	01/21/05	01/21/05 15:17	BW

Notes/Comments:

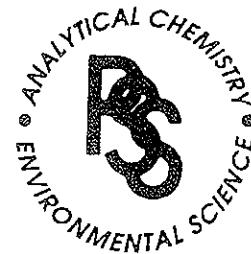
PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

Reviewed By: *Rth of*  
 Quality Assurance Chemist

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## CERTIFICATE OF ANALYSIS

No. 05011801 Page 11 of 48

**URS Corporation - Gaithersburg**

January 31, 2005

Project: Buzzards Point  
Site Location: Washington DC  
Project Number: 15297096.01000

Date Sampled: 01/15/05 14:00

Date Received: 01/18/05 10:00

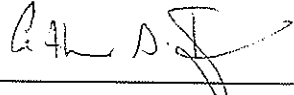
	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-8 / 05011801-06 / Ground Water</b>							
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/L	EPA 8015B	100	01/18/05	01/18/05 20:37	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/L	EPA 8015B	0.63	01/21/05	01/21/05 15:17	BW

Notes/Comments:

PQL - Practical Quantitation Limit

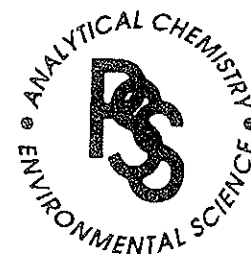
ND - Not Detected at a concentration greater than or equal to the PQL.

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CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 12 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

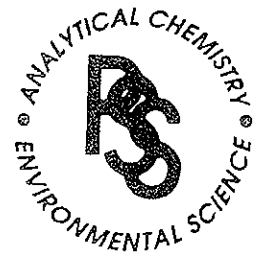
Date Sampled: 01/16/05 15:15  
 Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>B-4 / 05011801-07 / Ground Water</b>							
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1221	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1232	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1242	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1248	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1254	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1260	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
<b>Priority Pollutant Metals</b>							
Antimony	32	ug/L	EPA 6020	5	01/19/05	01/20/05 15:21	LM
Arsenic	15	ug/L	EPA 6020	5	01/19/05	01/20/05 15:21	LM
Beryllium	ND	ug/L	EPA 6020	4	01/19/05	01/20/05 15:21	LM
Cadmium	ND	ug/L	EPA 6020	5	01/19/05	01/20/05 15:21	LM
Chromium	31	ug/L	EPA 6020	5	01/19/05	01/20/05 15:21	LM
Copper	74	ug/L	EPA 6020	5	01/19/05	01/20/05 15:21	LM
Lead	8,800	ug/L	EPA 6020	500	01/19/05	01/27/05 15:36	LM
Mercury	ND	ug/L	EPA 6020	1	01/19/05	01/20/05 15:21	LM
Nickel	56	ug/L	EPA 6020	5	01/19/05	01/20/05 15:21	LM
Selenium	ND	ug/L	EPA 6020	5	01/19/05	01/20/05 15:21	LM
Silver	ND	ug/L	EPA 6020	5	01/19/05	01/20/05 15:21	LM
Thallium	ND	ug/L	EPA 6020	2	01/19/05	01/21/05 11:31	LM
Zinc	220	ug/L	EPA 6020	50	01/19/05	01/20/05 15:21	LM
<b>Target Compound List - SEMIVOLATILES</b>							
Phenol	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Bis (2-chloroethyl) ether	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2-Chlorophenol	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2-Methylphenol	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Bis (2-chloroisopropyl) ether	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Acetophenone	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
3,4-Methylphenol	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
N-Nitroso-di-n-propylamine	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Hexachloroethane	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Nitrobenzene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Isophorone	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2-Nitrophenol	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2,4-Dimethylphenol	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW



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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 13 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

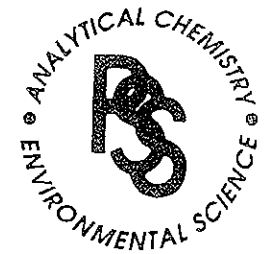
Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 15:15  
 Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-4 / 05011801-07 / Ground Water</b>							
<b>Target Compound List - SEMIVOLATILES</b>							
Bis (2-chloroethoxy) methane	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2,4-Dichlorophenol	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Naphthalene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
4-Chloroaniline	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Hexachlorobutadiene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Caprolactam	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
4-Chloro-3-methylphenol	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2-Methylnaphthalene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Hexachlorocyclopentadiene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2,4,6-Trichlorophenol	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2,4,5-Trichlorophenol	ND	ug/L	EPA 8270	50	01/28/05	01/29/05 9:44	BW
1,1-Biphenyl	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2-Chloronaphthalene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2-Nitroaniline	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Dimethyl phthalate	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2,6-Dinitrotoluene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Acenaphthylene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
3-Nitroaniline	ND	ug/L	EPA 8270	50	01/28/05	01/29/05 9:44	BW
Acenaphthene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2,4-Dinitrophenol	ND	ug/L	EPA 8270	50	01/28/05	01/29/05 9:44	BW
4-Nitrophenol	ND	ug/L	EPA 8270	50	01/28/05	01/29/05 9:44	BW
Dibenzofuran	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
2,4-Dinitrotoluene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Diethyl phthalate	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Fluorene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
4-Chlorophenyl phenyl ether	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
4-Nitroaniline	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
4,6-Dinitro-2-methylphenol	ND	ug/L	EPA 8270	50	01/28/05	01/29/05 9:44	BW
N-Nitrosodiphenylamine	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
4-Bromophenyl phenyl ether	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Hexachlorobenzene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Atrazine	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Pentachlorophenol	ND	ug/L	EPA 8270	50	01/28/05	01/29/05 9:44	BW
Phenanthrene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Anthracene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 14 of 48

URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

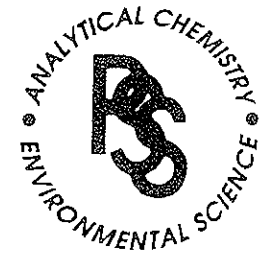
Date Sampled: 01/16/05 15:15

Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-4 / 05011801-07 / Ground Water</b>							
<b>Target Compound List - SEMIVOLATILES</b>							
Carbazole	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Di-n-butyl phthalate	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Fluoranthene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Pyrene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Butyl benzyl phthalate	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
3,3-Dichlorobenzidine	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Benzo (a) anthracene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Chrysene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Bis (2-ethylhexyl) phthalate	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Di-n-octyl phthalate	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Benzo (b,k) fluoranthene	ND	ug/L	EPA 8270	50	01/28/05	01/29/05 9:44	BW
Benzo (a) pyrene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Indeno (1,2,3-cd) pyrene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Dibenzo (a,h) anthracene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
Benzo (g,h,i) perylene	ND	ug/L	EPA 8270	25	01/28/05	01/29/05 9:44	BW
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Chloromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Vinyl chloride	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Bromomethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Chloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Trichlorofluoromethane	ND	ug/L	EPA 8260	5	01/18/05	01/18/05 22:26	MI
1,1-Dichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,1,2-Trichlorotrifluoroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Acetone	19	ug/L	EPA 8260	10	01/18/05	01/18/05 22:26	MI
Carbon Disulfide	ND	ug/L	EPA 8260	10	01/18/05	01/18/05 22:26	MI
Methyl Acetate	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Methylene chloride	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
trans-1,2-Dichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Methyl-t-Butyl Ether	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,1-Dichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
cis-1,2-Dichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
2-Butanone (MEK)	ND	ug/L	EPA 8260	50	01/18/05	01/18/05 22:26	MI
Chloroform	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,1,1-Trichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI

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CERTIFICATE OF ANALYSIS  
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 URS Corporation - Gaithersburg  
 January 31, 2005

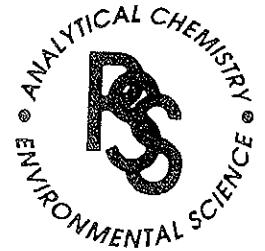
Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 15:15  
 Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-4 / 05011801-07 / Ground Water</b>							
<b>Target Compound List - VOLATILES</b>							
Cyclohexane	ND	ug/L	EPA 8260	5	01/18/05	01/18/05 22:26	MI
Carbon tetrachloride	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Benzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,2-Dichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Trichloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Methylcyclohexane	ND	ug/L	EPA 8260	5	01/18/05	01/18/05 22:26	MI
1,2-Dichloropropane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Bromodichloromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
cis-1,3-Dichloropropene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
4-Methyl-2-Pentanone (MIBK)	ND	ug/L	EPA 8260	10	01/18/05	01/18/05 22:26	MI
Toluene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
trans-1,3-Dichloropropene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,1,2-Trichloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Tetrachloroethene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
2-Hexanone (MBK)	ND	ug/L	EPA 8260	10	01/18/05	01/18/05 22:26	MI
Dibromochloromethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,2-Dibromoethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Chlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Ethylbenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
m&p-Xylene	ND	ug/L	EPA 8260	2	01/18/05	01/18/05 22:26	MI
o-Xylene	1	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Styrene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Bromoform	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Isopropylbenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,1,2,2-Tetrachloroethane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,3-Dichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,4-Dichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,2-Dichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,2-Dibromo-3-chloropropane	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
1,2,4-Trichlorobenzene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
Naphthalene	ND	ug/L	EPA 8260	1	01/18/05	01/18/05 22:26	MI
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/L	EPA 8015B	100	01/19/05	01/19/05 0:56	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/L	EPA 8015B	0.67	01/21/05	01/21/05 16:42	BW

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 16 of 48

**URS Corporation - Gaithersburg**

January 31, 2005

Project: Buzzards Point  
Site Location: Washington DC  
Project Number: 15297096.01000

Date Sampled: 01/16/05 15:15

Date Received: 01/18/05 10:00


	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
Sample ID:	B-4 / 05011801-07 / Ground Water						

Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

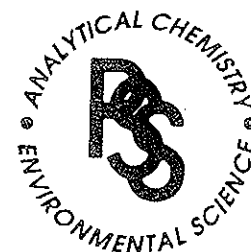
SVOA extraction performed outside of the recommended holding time.

Reviewed By: 

Quality Assurance Chemist

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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
No. 05011801 Page 17 of 48  
**URS Corporation - Gaithersburg**  
January 31, 2005

Project: Buzzards Point  
Site Location: Washington DC  
Project Number: 15297096.01000

Date Sampled: 01/16/05 11:30  
Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-1 / 05011801-08 / Ground Water</b>							
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/L	EPA 8015B	100	01/19/05	01/19/05 1:28	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/L	EPA 8015B	0.56	01/21/05	01/21/05 14:34	BW

Notes/Comments:

PQL - Practical Quantitation Limit

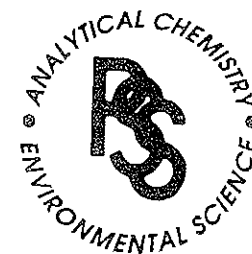
ND - Not Detected at a concentration greater than or equal to the PQL.

Reviewed By:

Quality Assurance Chemist

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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 18 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 14:45  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-2 / 05011801-09 / Ground Water</b>							
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1221	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1232	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1242	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1248	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1254	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
Aroclor 1260	ND	ug/L	EPA 8082	0.5	01/19/05	01/20/05 13:37	XW
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	110	ug/L	EPA 8015B	100	01/19/05	01/19/05 2:01	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/L	EPA 8015B	0.5	01/21/05	01/21/05 17:25	BW

Notes/Comments:

PQL - Practical Quantitation Limit

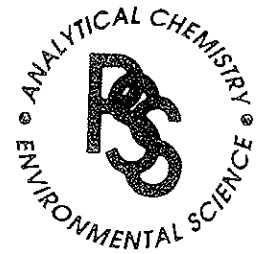
ND - Not Detected at a concentration greater than or equal to the PQL.

Reviewed By: \_\_\_\_\_

*[Signature]*  
 Quality Assurance Chemist

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CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 19 of 48  
 URS Corporation - Gaithersburg  
 January 31, 2005

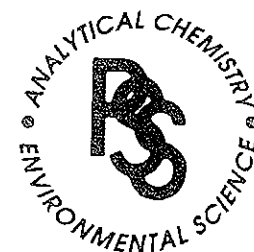
Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 9:00  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-11 / 05011801-10 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	68	%	Gravimetry		01/24/05	01/24/05 15:45	MW
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	mg/kg	EPA 8082	0.36	01/18/05	01/19/05 17:26	XW
Aroclor 1221	ND	mg/kg	EPA 8082	0.36	01/18/05	01/19/05 17:26	XW
Aroclor 1232	ND	mg/kg	EPA 8082	0.36	01/18/05	01/19/05 17:26	XW
Aroclor 1242	ND	mg/kg	EPA 8082	0.36	01/18/05	01/19/05 17:26	XW
Aroclor 1248	ND	mg/kg	EPA 8082	0.36	01/18/05	01/19/05 17:26	XW
Aroclor 1254	ND	mg/kg	EPA 8082	0.36	01/18/05	01/19/05 17:26	XW
Aroclor 1260	ND	mg/kg	EPA 8082	0.36	01/18/05	01/19/05 17:26	XW
<b>Priority Pollutant Metals</b>							
Antimony	ND	mg/kg	EPA 6020	3.3	01/19/05	01/20/05 16:27	LM
Arsenic	9.0	mg/kg	EPA 6020	0.65	01/19/05	01/20/05 16:27	LM
Beryllium	ND	mg/kg	EPA 6020	3.3	01/19/05	01/20/05 16:27	LM
Cadmium	ND	mg/kg	EPA 6020	3.3	01/19/05	01/20/05 16:27	LM
Chromium	11	mg/kg	EPA 6020	3.3	01/19/05	01/20/05 16:27	LM
Copper	26	mg/kg	EPA 6020	3.3	01/19/05	01/20/05 16:27	LM
Lead	120	mg/kg	EPA 6020	3.3	01/19/05	01/20/05 16:27	LM
Mercury	0.24	mg/kg	EPA 6020	0.13	01/19/05	01/20/05 16:27	LM
Nickel	8.5	mg/kg	EPA 6020	3.3	01/19/05	01/20/05 16:27	LM
Selenium	ND	mg/kg	EPA 6020	3.3	01/19/05	01/20/05 16:27	LM
Silver	ND	mg/kg	EPA 6020	3.3	01/19/05	01/20/05 16:27	LM
Thallium	ND	mg/kg	EPA 6020	2.6	01/19/05	01/21/05 12:19	LM
Zinc	67	mg/kg	EPA 6020	33	01/19/05	01/20/05 16:27	LM
<b>Target Compound List - SEMIVOLATILES</b>							
Phenol	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Bis (2-chloroethyl) ether	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2-Chlorophenol	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2-Methylphenol	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Bis (2-chloroisopropyl) ether	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Acetophenone	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
3,4-Methylphenol	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
N-Nitroso-di-n-propylamine	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Hexachloroethane	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Nitrobenzene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Isophorone	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 20 of 48

URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 9:00

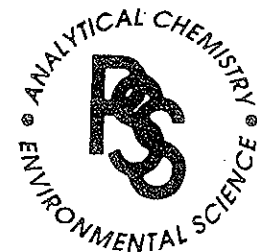
Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-11 / 05011801-10 / Soil</b>							
<b>Target Compound List - SEMIVOLATILES</b>							
2-Nitrophenol	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2,4-Dimethylphenol	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Bis (2-chloroethoxy) methane	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2,4-Dichlorophenol	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Naphthalene	3,200	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
4-Chloroaniline	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Hexachlorobutadiene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Caprolactam	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
4-Chloro-3-methylphenol	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2-Methylnaphthalene	j 1,100	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Hexachlorocyclopentadiene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2,4,6-Trichlorophenol	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2,4,5-Trichlorophenol	ND	ug/kg	EPA 8270	6100	01/19/05	01/27/05 17:32	BW
1,1-Biphenyl	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2-Chloronaphthalene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2-Nitroaniline	ND	ug/kg	EPA 8270	6100	01/19/05	01/27/05 17:32	BW
Dimethyl phthalate	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2,6-Dinitrotoluene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Acenaphthylene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
3-Nitroaniline	ND	ug/kg	EPA 8270	6100	01/19/05	01/27/05 17:32	BW
Acenaphthene	j 1,300	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2,4-Dinitrophenol	ND	ug/kg	EPA 8270	6100	01/19/05	01/27/05 17:32	BW
4-Nitrophenol	ND	ug/kg	EPA 8270	6100	01/19/05	01/27/05 17:32	BW
Dibenzofuran	j 1,300	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
2,4-Dinitrotoluene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Diethyl phthalate	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Fluorene	j 1,600	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
4-Chlorophenyl phenyl ether	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
4-Nitroaniline	ND	ug/kg	EPA 8270	6100	01/19/05	01/27/05 17:32	BW
4,6-Dinitro-2-methylphenol	ND	ug/kg	EPA 8270	5600	01/19/05	01/27/05 17:32	BW
N-Nitrosodiphenylamine	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
4-Bromophenyl phenyl ether	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Hexachlorobenzene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Atrazine	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Pentachlorophenol	ND	ug/kg	EPA 8270	6100	01/19/05	01/27/05 17:32	BW



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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 21 of 48  
 URS Corporation - Gaithersburg  
 January 31, 2005

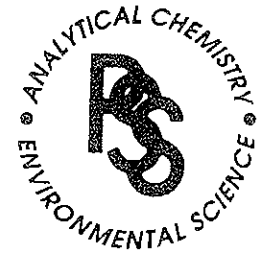
Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 9:00  
 Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-11 / 05011801-10 / Soil</b>							
<b>Target Compound List - SEMIVOLATILES</b>							
Phenanthrene	8,900	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Anthracene	j 1,600	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Carbazole	j 1,000	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Di-n-butyl phthalate	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Fluoranthene	5,700	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Pyrene	5,100	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Butyl benzyl phthalate	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
3,3-Dichlorobenzidine	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Benzo (a) anthracene	j 2,100	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Chrysene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Bis (2-ethylhexyl) phthalate	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Di-n-octyl phthalate	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Benzo (b,k) fluoranthene	j 2,800	ug/kg	EPA 8270	4900	01/19/05	01/27/05 17:32	BW
Benzo (a) pyrene	j 1,700	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Indeno (1,2,3-cd) pyrene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Dibenzo (a,h) anthracene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
Benzo (g,h,i) perylene	ND	ug/kg	EPA 8270	2400	01/19/05	01/27/05 17:32	BW
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Chloromethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Vinyl chloride	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Bromomethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Chloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Trichlorofluoromethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,1-Dichloroethene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Acetone	ND	ug/kg	EPA 8260	140	01/18/05	01/18/05 17:31	MI
Carbon Disulfide	ND	ug/kg	EPA 8260	14	01/18/05	01/18/05 17:31	MI
Methyl Acetate	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Methylene chloride	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
trans-1,2-Dichloroethene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Methyl-t-Butyl Ether	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,1-Dichloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
cis-1,2-Dichloroethene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
2-Butanone (MEK)	ND	ug/kg	EPA 8260	72	01/18/05	01/18/05 17:31	MI

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 22 of 48

**URS Corporation - Gaithersburg**

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

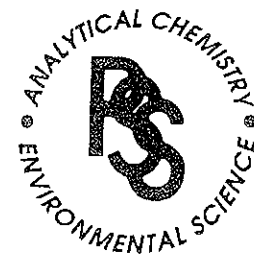
Date Sampled: 01/15/05 9:00

Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-11 / 05011801-10 / Soil</b>							
<b>Target Compound List - VOLATILES</b>							
Chloroform	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,1,1-Trichloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Cyclohexane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Carbon tetrachloride	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Benzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,2-Dichloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Trichloroethene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Methylcyclohexane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,2-Dichloropropane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Bromodichloromethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
cis-1,3-Dichloropropene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	EPA 8260	14	01/18/05	01/18/05 17:31	MI
Toluene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
trans-1,3-Dichloropropene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,1,2-Trichloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Tetrachloroethene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
2-Hexanone (MBK)	ND	ug/kg	EPA 8260	14	01/18/05	01/18/05 17:31	MI
Dibromochloromethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,2-Dibromoethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Chlorobenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Ethylbenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
m&p-Xylene	ND	ug/kg	EPA 8260	14	01/18/05	01/18/05 17:31	MI
o-Xylene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Styrene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Bromoform	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Isopropylbenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,1,2,2-Tetrachloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,3-Dichlorobenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,4-Dichlorobenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,2-Dichlorobenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,2-Dibromo-3-chloropropane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
1,2,4-Trichlorobenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
Naphthalene	79	ug/kg	EPA 8260	7	01/18/05	01/18/05 17:31	MI
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	2,200	ug/kg	EPA 8015B	150	01/25/05	01/25/05 8:20	AK

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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 23 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 9:00  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-11 / 05011801-10 / Soil</b>							
Total Petroleum Hydrocarbons - DRO							
Diesel Range Organics	ND	mg/kg	EPA 8015B	15	01/24/05	01/24/05 22:20	BW

Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

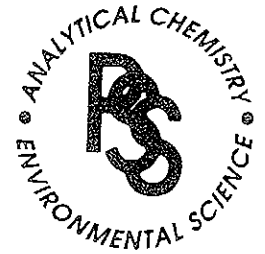
j - estimated value, less than quantitation limit.

Results reported on a dry weight basis where applicable.

Reviewed By:         G. H. D. S.          
 Quality Assurance Chemist

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**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 9:45  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-12 / 05011801-11 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	80	%	Gravimetry		01/24/05	01/24/05 15:45	MW
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/kg	EPA 8015B	120	01/25/05	01/25/05 8:53	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/kg	EPA 8015B	12	01/24/05	01/24/05 20:11	BW

Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

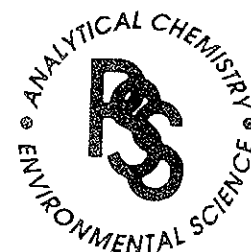
Results reported on a dry weight basis where applicable.

Reviewed By: \_\_\_\_\_

*[Signature]*  
 Quality Assurance Chemist

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

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**URS Corporation - Gaithersburg**

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

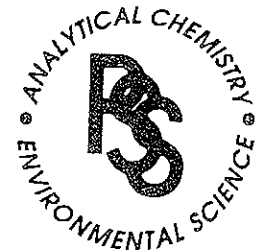
Date Sampled: 01/15/05 10:30

Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-10 / 05011801-12 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	91	%	Gravimetry		01/24/05	01/24/05 15:46	MW
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	mg/kg	EPA 8082	0.27	01/18/05	01/19/05 17:26	XW
Aroclor 1221	ND	mg/kg	EPA 8082	0.27	01/18/05	01/19/05 17:26	XW
Aroclor 1232	ND	mg/kg	EPA 8082	0.27	01/18/05	01/19/05 17:26	XW
Aroclor 1242	ND	mg/kg	EPA 8082	0.27	01/18/05	01/19/05 17:26	XW
Aroclor 1248	ND	mg/kg	EPA 8082	0.27	01/18/05	01/19/05 17:26	XW
Aroclor 1254	ND	mg/kg	EPA 8082	0.27	01/18/05	01/19/05 17:26	XW
Aroclor 1260	ND	mg/kg	EPA 8082	0.27	01/18/05	01/19/05 17:26	XW
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Chloromethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Vinyl chloride	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Bromomethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Chloroethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Trichlorofluoromethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,1-Dichloroethene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Acetone	ND	ug/kg	EPA 8260	110	01/18/05	01/18/05 17:59	MI
Carbon Disulfide	ND	ug/kg	EPA 8260	11	01/18/05	01/18/05 17:59	MI
Methyl Acetate	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Methylene chloride	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
trans-1,2-Dichloroethene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Methyl-t-Butyl Ether	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,1-Dichloroethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
cis-1,2-Dichloroethene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
2-Butanone (MEK)	ND	ug/kg	EPA 8260	54	01/18/05	01/18/05 17:59	MI
Chloroform	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,1,1-Trichloroethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Cyclohexane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Carbon tetrachloride	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Benzene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,2-Dichloroethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Trichloroethene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Methylcyclohexane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI

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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 26 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 10:30  
 Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-10 / 05011801-12 / Soil</b>							
<b>Target Compound List - VOLATILES</b>							
1,2-Dichloropropane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Bromodichloromethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
cis-1,3-Dichloropropene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	EPA 8260	11	01/18/05	01/18/05 17:59	MI
Toluene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
trans-1,3-Dichloropropene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,1,2-Trichloroethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Tetrachloroethene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
2-Hexanone (MBK)	ND	ug/kg	EPA 8260	11	01/18/05	01/18/05 17:59	MI
Dibromochloromethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,2-Dibromoethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Chlorobenzene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Ethylbenzene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
m&p-Xylene	ND	ug/kg	EPA 8260	11	01/18/05	01/18/05 17:59	MI
o-Xylene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Styrene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Bromoform	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Isopropylbenzene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,1,2,2-Tetrachloroethane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,3-Dichlorobenzene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,4-Dichlorobenzene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,2-Dichlorobenzene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,2-Dibromo-3-chloropropane	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
1,2,4-Trichlorobenzene	ND	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
Naphthalene	9	ug/kg	EPA 8260	5	01/18/05	01/18/05 17:59	MI
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/kg	EPA 8015B	110	01/25/05	01/25/05 13:04	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/kg	EPA 8015B	11	01/24/05	01/24/05 19:28	BW

Notes/Comments:

PQL - Practical Quantitation Limit  
 ND - Not Detected at a concentration greater than or equal to the PQL.

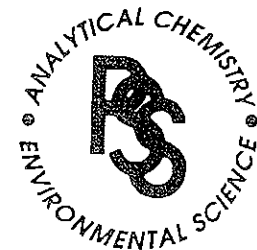
Reviewed By: \_\_\_\_\_

*R. H. O'F*  
 Quality Assurance Chemist

Results reported on a dry weight basis where applicable.

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

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URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

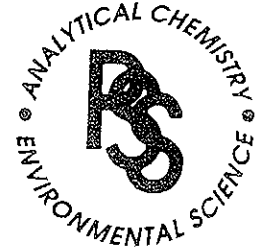
Date Sampled: 01/15/05 11:30

Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>B-9 / 05011801-13 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	80	%	Gravimetry		01/24/05	01/24/05 15:46	MW
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 17:54	XW
Aroclor 1221	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 17:54	XW
Aroclor 1232	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 17:54	XW
Aroclor 1242	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 17:54	XW
Aroclor 1248	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 17:54	XW
Aroclor 1254	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 17:54	XW
Aroclor 1260	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 17:54	XW
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Chloromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Vinyl chloride	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Bromomethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Chloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Trichlorofluoromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,1-Dichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Acetone	ND	ug/kg	EPA 8260	120	01/18/05	01/18/05 18:27	MI
Carbon Disulfide	ND	ug/kg	EPA 8260	12	01/18/05	01/18/05 18:27	MI
Methyl Acetate	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Methylene chloride	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
trans-1,2-Dichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Methyl-t-Butyl Ether	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,1-Dichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
cis-1,2-Dichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
2-Butanone (MEK)	ND	ug/kg	EPA 8260	62	01/18/05	01/18/05 18:27	MI
Chloroform	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,1,1-Trichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Cyclohexane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Carbon tetrachloride	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Benzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,2-Dichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Trichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Methylcyclohexane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI

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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 28 of 48  
 URS Corporation - Gaithersburg  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 11:30  
 Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
1,2-Dichloropropane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Bromodichloromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
cis-1,3-Dichloropropene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	EPA 8260	12	01/18/05	01/18/05 18:27	MI
Toluene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
trans-1,3-Dichloropropene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,1,2-Trichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Tetrachloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
2-Hexanone (MBK)	ND	ug/kg	EPA 8260	12	01/18/05	01/18/05 18:27	MI
Dibromochloromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,2-Dibromoethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Chlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Ethylbenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
m&p-Xylene	ND	ug/kg	EPA 8260	12	01/18/05	01/18/05 18:27	MI
o-Xylene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Styrene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Bromoform	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Isopropylbenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,1,2,2-Tetrachloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,3-Dichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,4-Dichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,2-Dichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,2-Dibromo-3-chloropropane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
1,2,4-Trichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
Naphthalene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 18:27	MI
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/kg	EPA 8015B	120	01/26/05	01/26/05 1:34	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/kg	EPA 8015B	12	01/24/05	01/24/05 19:28	BW

Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

Reviewed By: \_\_\_\_\_

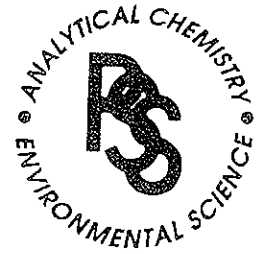
Quality Assurance Chemist

Results reported on a dry weight basis where applicable.



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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 29 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 14:00  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-8 / 05011801-14 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	72	%	Gravimetry		01/24/05	01/24/05 15:46	MW
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/kg	EPA 8015B	140	01/26/05	01/26/05 2:08	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/kg	EPA 8015B	14	01/24/05	01/24/05 16:35	BW

Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

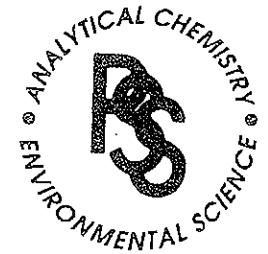
Results reported on a dry weight basis where applicable.

Reviewed By: \_\_\_\_\_

*[Signature]*  
 Quality Assurance Chemist

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 30 of 48

URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

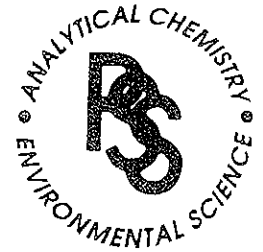
Date Sampled: 01/15/05 14:50

Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-5 / 05011801-15 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	72	%	Gravimetry		01/24/05	01/24/05 15:46	MW
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 17:54	XW
Aroclor 1221	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 17:54	XW
Aroclor 1232	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 17:54	XW
Aroclor 1242	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 17:54	XW
Aroclor 1248	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 17:54	XW
Aroclor 1254	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 17:54	XW
Aroclor 1260	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 17:54	XW
<b>Priority Pollutant Metals</b>							
Antimony	ND	mg/kg	EPA 6020	3	01/19/05	01/20/05 16:33	LM
Arsenic	4.9	mg/kg	EPA 6020	0.59	01/19/05	01/20/05 16:33	LM
Beryllium	ND	mg/kg	EPA 6020	3	01/19/05	01/20/05 16:33	LM
Cadmium	ND	mg/kg	EPA 6020	3	01/19/05	01/20/05 16:33	LM
Chromium	21	mg/kg	EPA 6020	3	01/19/05	01/20/05 16:33	LM
Copper	22	mg/kg	EPA 6020	3	01/19/05	01/20/05 16:33	LM
Lead	45	mg/kg	EPA 6020	3	01/19/05	01/20/05 16:33	LM
Mercury	ND	mg/kg	EPA 6020	0.12	01/19/05	01/20/05 16:33	LM
Nickel	9.3	mg/kg	EPA 6020	3	01/19/05	01/20/05 16:33	LM
Selenium	ND	mg/kg	EPA 6020	3	01/19/05	01/20/05 16:33	LM
Silver	ND	mg/kg	EPA 6020	3	01/19/05	01/20/05 16:33	LM
Thallium	ND	mg/kg	EPA 6020	2.4	01/19/05	01/21/05 12:25	LM
Zinc	34	mg/kg	EPA 6020	30	01/19/05	01/20/05 16:33	LM
<b>Target Compound List - SEMIVOLATILES</b>							
Phenol	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Bis (2-chloroethyl) ether	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2-Chlorophenol	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2-Methylphenol	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Bis (2-chloroisopropyl) ether	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Acetophenone	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
3,4-Methylphenol	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
N-Nitroso-di-n-propylamine	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Hexachloroethane	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Nitrobenzene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Isophorone	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW

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# PHASE SEPARATION SCIENCE, INC.



## CERTIFICATE OF ANALYSIS

No. 05011801 Page 31 of 48

URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

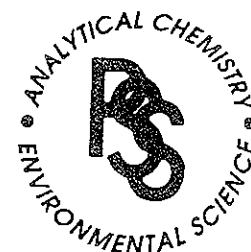
Date Sampled: 01/15/05 14:50

Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
Sample ID: B-5 / 05011801-15 / Soil							
Target Compound List - SEMIVOLATILES							
2-Nitrophenol	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2,4-Dimethylphenol	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Bis (2-chloroethoxy) methane	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2,4-Dichlorophenol	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Naphthalene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
4-Chloroaniline	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Hexachlorobutadiene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Caprolactam	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
4-Chloro-3-methylphenol	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2-Methylnaphthalene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Hexachlorocyclopentadiene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2,4,6-Trichlorophenol	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2,4,5-Trichlorophenol	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:07	BW
1,1-Biphenyl	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2-Chloronaphthalene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2-Nitroaniline	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:07	BW
Dimethyl phthalate	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2,6-Dinitrotoluene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Acenaphthylene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
3-Nitroaniline	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:07	BW
Acenaphthene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2,4-Dinitrophenol	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:07	BW
4-Nitrophenol	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:07	BW
Dibenzofuran	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
2,4-Dinitrotoluene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Diethyl phthalate	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Fluorene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
4-Chlorophenyl phenyl ether	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
4-Nitroaniline	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:07	BW
4,6-Dinitro-2-methylphenol	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:07	BW
N-Nitrosodiphenylamine	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
4-Bromophenyl phenyl ether	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Hexachlorobenzene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Atrazine	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Pentachlorophenol	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:07	BW

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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 32 of 48  
 URS Corporation - Gaithersburg  
 January 31, 2005

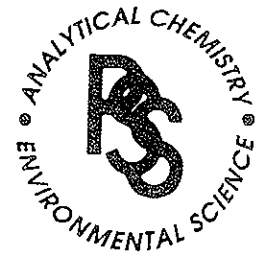
Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 14:50  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-5 / 05011801-15 / Soil</b>							
<b>Target Compound List - SEMIVOLATILES</b>							
Phenanthrene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Anthracene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Carbazole	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Di-n-butyl phthalate	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Fluoranthene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Pyrene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Butyl benzyl phthalate	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
3,3-Dichlorobenzidine	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Benzo (a) anthracene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Chrysene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Bis (2-ethylhexyl) phthalate	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Di-n-octyl phthalate	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Benzo (b,k) fluoranthene	ND	ug/kg	EPA 8270	920	01/19/05	01/27/05 18:07	BW
Benzo (a) pyrene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Indeno (1,2,3-cd) pyrene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Dibenzo (a,h) anthracene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
Benzo (g,h,i) perylene	ND	ug/kg	EPA 8270	460	01/19/05	01/27/05 18:07	BW
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Chloromethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Vinyl chloride	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Bromomethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Chloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Trichlorofluoromethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,1-Dichloroethene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Acetone	ND	ug/kg	EPA 8260	140	01/18/05	01/18/05 18:55	MI
Carbon Disulfide	ND	ug/kg	EPA 8260	14	01/18/05	01/18/05 18:55	MI
Methyl Acetate	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Methylene chloride	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
trans-1,2-Dichloroethene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Methyl-t-Butyl Ether	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,1-Dichloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
cis-1,2-Dichloroethene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
2-Butanone (MEK)	ND	ug/kg	EPA 8260	69	01/18/05	01/18/05 18:55	MI

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## CERTIFICATE OF ANALYSIS

No. 05011801 Page 33 of 48

**URS Corporation - Gaithersburg**

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

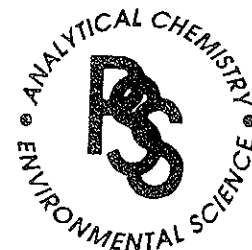
Date Sampled: 01/15/05 14:50

Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-5 / 05011801-15 / Soil</b>							
<b>Target Compound List - VOLATILES</b>							
Chloroform	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,1,1-Trichloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Cyclohexane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Carbon tetrachloride	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Benzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,2-Dichloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Trichloroethene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Methylcyclohexane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,2-Dichloropropane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Bromodichloromethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
cis-1,3-Dichloropropene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	EPA 8260	14	01/18/05	01/18/05 18:55	MI
Toluene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
trans-1,3-Dichloropropene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,1,2-Trichloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Tetrachloroethene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
2-Hexanone (MBK)	ND	ug/kg	EPA 8260	14	01/18/05	01/18/05 18:55	MI
Dibromochloromethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,2-Dibromoethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Chlorobenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Ethylbenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
m&p-Xylene	ND	ug/kg	EPA 8260	14	01/18/05	01/18/05 18:55	MI
o-Xylene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Styrene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Bromoform	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Isopropylbenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,1,2,2-Tetrachloroethane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,3-Dichlorobenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,4-Dichlorobenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,2-Dichlorobenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,2-Dibromo-3-chloropropane	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
1,2,4-Trichlorobenzene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
Naphthalene	ND	ug/kg	EPA 8260	7	01/18/05	01/18/05 18:55	MI
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/kg	EPA 8015B	140	01/26/05	01/26/05 2:42	AK

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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
No. 05011801 Page 34 of 48  
**URS Corporation - Gaithersburg**  
January 31, 2005

Project: Buzzards Point  
Site Location: Washington DC  
Project Number: 15297096.01000

Date Sampled: 01/15/05 14:50  
Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-5 / 05011801-15 / Soil</b>							
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/kg	EPA 8015B	14	01/24/05	01/24/05 15:10	BW

Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

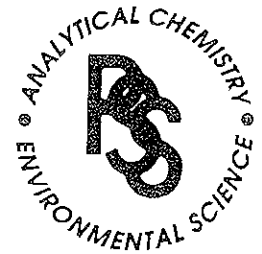
Results reported on a dry weight basis where applicable.

Reviewed By: \_\_\_\_\_

Quality Assurance Chemist

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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 35 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/15/05 15:50  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-6 / 05011801-16 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	81	%	Gravimetry		01/24/05	01/24/05 15:47	MW
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 18:23	XW
Aroclor 1221	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 18:23	XW
Aroclor 1232	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 18:23	XW
Aroclor 1242	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 18:23	XW
Aroclor 1248	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 18:23	XW
Aroclor 1254	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 18:23	XW
Aroclor 1260	ND	mg/kg	EPA 8082	0.3	01/18/05	01/19/05 18:23	XW
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/kg	EPA 8015B	120	01/26/05	01/26/05 3:16	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/kg	EPA 8015B	12	01/24/05	01/24/05 20:54	BW

Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

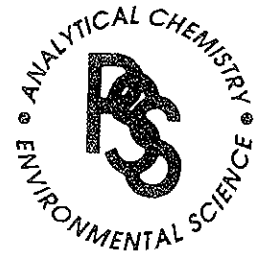
Reviewed By: \_\_\_\_\_

Quality Assurance Chemist

Results reported on a dry weight basis where applicable.

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# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 36 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 9:45  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-7 / 05011801-17 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	74	%	Gravimetry		01/24/05	01/24/05 15:47	MW
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 18:23	XW
Aroclor 1221	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 18:23	XW
Aroclor 1232	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 18:23	XW
Aroclor 1242	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 18:23	XW
Aroclor 1248	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 18:23	XW
Aroclor 1254	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 18:23	XW
Aroclor 1260	ND	mg/kg	EPA 8082	0.33	01/18/05	01/19/05 18:23	XW
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/kg	EPA 8015B	130	01/26/05	01/26/05 3:49	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/kg	EPA 8015B	13	01/24/05	01/24/05 20:11	BW

Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

Results reported on a dry weight basis where applicable.

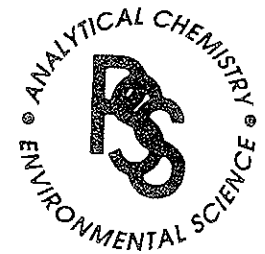
Reviewed By:

Quality Assurance Chemist



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 No. 05011801 Page 37 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

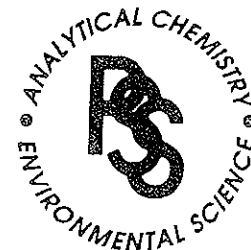
Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 10:45  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-4 / 05011801-18 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	79	%	Gravimetry		01/24/05	01/24/05 15:47	MW
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1221	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1232	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1242	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1248	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1254	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1260	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
<b>Priority Pollutant Metals</b>							
Antimony	ND	mg/kg	EPA 6020	2.6	01/19/05	01/20/05 16:38	LM
Arsenic	3.1	mg/kg	EPA 6020	0.52	01/19/05	01/20/05 16:38	LM
Beryllium	ND	mg/kg	EPA 6020	2.6	01/19/05	01/20/05 16:38	LM
Cadmium	ND	mg/kg	EPA 6020	2.6	01/19/05	01/20/05 16:38	LM
Chromium	12	mg/kg	EPA 6020	2.6	01/19/05	01/20/05 16:38	LM
Copper	17	mg/kg	EPA 6020	2.6	01/19/05	01/20/05 16:38	LM
Lead	84	mg/kg	EPA 6020	2.6	01/19/05	01/20/05 16:38	LM
Mercury	ND	mg/kg	EPA 6020	0.1	01/19/05	01/20/05 16:38	LM
Nickel	17	mg/kg	EPA 6020	2.6	01/19/05	01/20/05 16:38	LM
Selenium	ND	mg/kg	EPA 6020	2.6	01/19/05	01/20/05 16:38	LM
Silver	ND	mg/kg	EPA 6020	2.6	01/19/05	01/20/05 16:38	LM
Thallium	ND	mg/kg	EPA 6020	2.1	01/19/05	01/21/05 12:29	LM
Zinc	52	mg/kg	EPA 6020	26	01/19/05	01/20/05 16:38	LM
<b>Target Compound List - SEMIVOLATILES</b>							
Phenol	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Bis (2-chloroethyl) ether	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2-Chlorophenol	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2-Methylphenol	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Bis (2-chloroisopropyl) ether	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Acetophenone	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
3,4-Methylphenol	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
N-Nitroso-di-n-propylamine	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Hexachloroethane	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Nitrobenzene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Isophorone	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW

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 URS Corporation - Gaithersburg  
 January 31, 2005

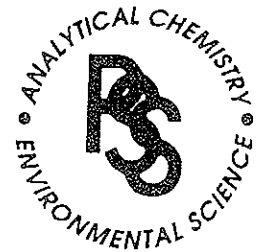
Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 10:45  
 Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Target Compound List - SEMIVOLATILES</b>							
2-Nitrophenol	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2,4-Dimethylphenol	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Bis (2-chloroethoxy) methane	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2,4-Dichlorophenol	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Naphthalene`	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
4-Chloroaniline	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Hexachlorobutadiene`	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Caprolactam	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
4-Chloro-3-methylphenol	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2-Methylnaphthalene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Hexachlorocyclopentadiene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2,4,6-Trichlorophenol	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2,4,5-Trichlorophenol	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:42	BW
1,1-Biphenyl	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2-Chloronaphthalene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2-Nitroaniline	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:42	BW
Dimethyl phthalate	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2,6-Dinitrotoluene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Acenaphthylene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
3-Nitroaniline	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:42	BW
Acenaphthene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2,4-Dinitrophenol	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:42	BW
4-Nitrophenol	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:42	BW
Dibenzofuran	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
2,4-Dinitrotoluene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Diethyl phthalate	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Fluorene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
4-Chlorophenyl phenyl ether	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
4-Nitroaniline	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:42	BW
4,6-Dinitro-2-methylphenol	ND	ug/kg	EPA 8270	970	01/19/05	01/27/05 18:42	BW
N-Nitrosodiphenylamine	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
4-Bromophenyl phenyl ether	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Hexachlorobenzene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Atrazine	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Pentachlorophenol	ND	ug/kg	EPA 8270	1100	01/19/05	01/27/05 18:42	BW

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 No. 05011801 Page 39 of 48  
 URS Corporation - Gaithersburg  
 January 31, 2005

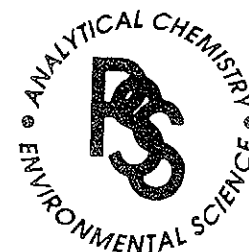
Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 10:45  
 Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-4 / 05011801-18 / Soil</b>							
<b>Target Compound List - SEMIVOLATILES</b>							
Phenanthrene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Anthracene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Carbazole	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Di-n-butyl phthalate	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Fluoranthene	j 55	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Pyrene	j 48	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Butyl benzyl phthalate	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
3,3-Dichlorobenzidine	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Benzo (a) anthracene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Chrysene	j 55	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Bis (2-ethylhexyl) phthalate	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Di-n-octyl phthalate	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Benzo (b,k) fluoranthene	ND	ug/kg	EPA 8270	850	01/19/05	01/27/05 18:42	BW
Benzo (a) pyrene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Indeno (1,2,3-cd) pyrene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Dibenzo (a,h) anthracene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
Benzo (g,h,i) perylene	ND	ug/kg	EPA 8270	420	01/19/05	01/27/05 18:42	BW
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Chloromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Vinyl chloride	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Bromomethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Chloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Trichlorofluoromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,1-Dichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Acetone	ND	ug/kg	EPA 8260	130	01/18/05	01/18/05 19:23	MI
Carbon Disulfide	ND	ug/kg	EPA 8260	13	01/18/05	01/18/05 19:23	MI
Methyl Acetate	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Methylene chloride	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
trans-1,2-Dichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Methyl-t-Butyl Ether	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,1-Dichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
cis-1,2-Dichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
2-Butanone (MEK)	ND	ug/kg	EPA 8260	63	01/18/05	01/18/05 19:23	MI

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## CERTIFICATE OF ANALYSIS

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URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

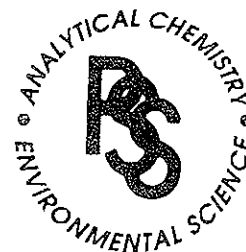
Date Sampled: 01/16/05 10:45

Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-4 / 05011801-18 / Soil</b>							
<b>Target Compound List - VOLATILES</b>							
Chloroform	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,1,1-Trichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Cyclohexane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Carbon tetrachloride	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Benzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,2-Dichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Trichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Methylcyclohexane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,2-Dichloropropane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Bromodichloromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
cis-1,3-Dichloropropene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	EPA 8260	13	01/18/05	01/18/05 19:23	MI
Toluene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
trans-1,3-Dichloropropene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,1,2-Trichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Tetrachloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
2-Hexanone (MBK)	ND	ug/kg	EPA 8260	13	01/18/05	01/18/05 19:23	MI
Dibromochloromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,2-Dibromoethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Chlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Ethylbenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
m&p-Xylene	ND	ug/kg	EPA 8260	13	01/18/05	01/18/05 19:23	MI
o-Xylene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Styrene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Bromoform	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Isopropylbenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,1,1,2-Tetrachloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,3-Dichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,4-Dichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,2-Dichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,2-Dibromo-3-chloropropane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
1,2,4-Trichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
Naphthalene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:23	MI
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/kg	EPA 8015B	130	01/26/05	01/26/05 4:23	AK

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# PHASE SEPARATION SCIENCE, INC.



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No. 05011801 Page 41 of 48  
**URS Corporation - Gaithersburg**  
January 31, 2005

Project: Buzzards Point  
Site Location: Washington DC  
Project Number: 15297096.01000

Date Sampled: 01/16/05 10:45  
Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
Sample ID: B-4 / 05011801-18 / Soil							
Total Petroleum Hydrocarbons - DRO							
Diesel Range Organics	ND	mg/kg	EPA 8015B	13	01/24/05	01/24/05 21:37	BW


Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

j - estimated value, less than quantitation limit.

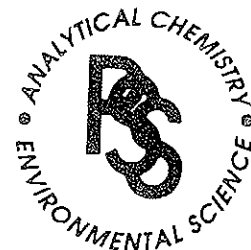
Results reported on a dry weight basis where applicable.

Reviewed By: 

Quality Assurance Chemist

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 No. 05011801 Page 42 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

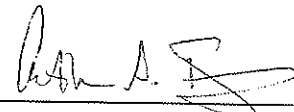
Date Sampled: 01/16/05 11:30  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-1 / 05011801-19 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	79	%	Gravimetry		01/24/05	01/24/05 15:47	MW
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/kg	EPA 8015B	130	01/26/05	01/26/05 4:57	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	29	mg/kg	EPA 8015B	12	01/24/05	01/24/05 16:35	BW

Notes/Comments:

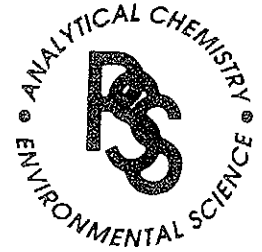
PQL - Practical Quantitation Limit  
 ND - Not Detected at a concentration greater than or equal to the PQL.  
 Results reported on a dry weight basis where applicable.

Reviewed By:

  
 Quality Assurance Chemist

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**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 13:00  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-2 / 05011801-20 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	78	%	Gravimetry		01/24/05	01/24/05 15:48	MW
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1221	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1232	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1242	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1248	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1254	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
Aroclor 1260	ND	mg/kg	EPA 8082	0.31	01/18/05	01/19/05 18:52	XW
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/kg	EPA 8015B	130	01/26/05	01/26/05 5:31	AK
<b>Total Petroleum Hydrocarbons - DRO</b>							
Diesel Range Organics	ND	mg/kg	EPA 8015B	13	01/24/05	01/24/05 15:10	BW

Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

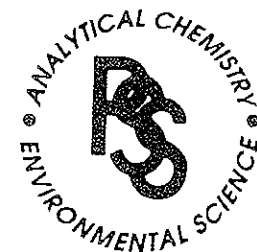
Reviewed By: \_\_\_\_\_

*[Signature]*  
 Quality Assurance Chemist

Results reported on a dry weight basis where applicable.

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 No. 05011801 Page 44 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

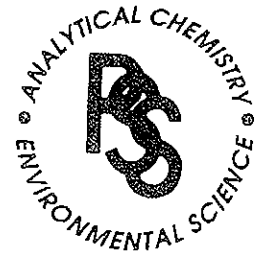
Date Sampled: 01/16/05 14:00  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-3 / 05011801-21 / Soil</b>							
<b>Percent Solids</b>							
Percent Solids	86	%	Gravimetry		01/24/05	01/24/05 15:48	MW
<b>Polychlorinated Biphenyls</b>							
Aroclor 1016	ND	mg/kg	EPA 8082	0.28	01/18/05	01/19/05 19:21	XW
Aroclor 1221	ND	mg/kg	EPA 8082	0.28	01/18/05	01/19/05 19:21	XW
Aroclor 1232	ND	mg/kg	EPA 8082	0.28	01/18/05	01/19/05 19:21	XW
Aroclor 1242	ND	mg/kg	EPA 8082	0.28	01/18/05	01/19/05 19:21	XW
Aroclor 1248	ND	mg/kg	EPA 8082	0.28	01/18/05	01/19/05 19:21	XW
Aroclor 1254	ND	mg/kg	EPA 8082	0.28	01/18/05	01/19/05 19:21	XW
Aroclor 1260	ND	mg/kg	EPA 8082	0.28	01/18/05	01/19/05 19:21	XW
<b>Priority Pollutant Metals</b>							
Antimony	ND	mg/kg	EPA 6020	2.8	01/19/05	01/20/05 16:58	LM
Arsenic	5.1	mg/kg	EPA 6020	0.56	01/19/05	01/20/05 16:58	LM
Beryllium	ND	mg/kg	EPA 6020	2.8	01/19/05	01/20/05 16:58	LM
Cadmium	ND	mg/kg	EPA 6020	2.8	01/19/05	01/20/05 16:58	LM
Chromium	19	mg/kg	EPA 6020	2.8	01/19/05	01/20/05 16:58	LM
Copper	17	mg/kg	EPA 6020	2.8	01/19/05	01/20/05 16:58	LM
Lead	13	mg/kg	EPA 6020	2.8	01/19/05	01/20/05 16:58	LM
Mercury	ND	mg/kg	EPA 6020	0.11	01/19/05	01/20/05 16:58	LM
Nickel	12	mg/kg	EPA 6020	2.8	01/19/05	01/20/05 16:58	LM
Selenium	ND	mg/kg	EPA 6020	2.8	01/19/05	01/20/05 16:58	LM
Silver	ND	mg/kg	EPA 6020	2.8	01/19/05	01/20/05 16:58	LM
Thallium	ND	mg/kg	EPA 6020	2.3	01/19/05	01/21/05 12:33	LM
Zinc	39	mg/kg	EPA 6020	28	01/19/05	01/20/05 16:58	LM
<b>Target Compound List - SEMIVOLATILES</b>							
Phenol	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Bis (2-chloroethyl) ether	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2-Chlorophenol	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2-Methylphenol	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Bis (2-chloroisopropyl) ether	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Acetophenone	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
3,4-Methylphenol	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
N-Nitroso-di-n-propylamine	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Hexachloroethane	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Nitrobenzene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Isophorone	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW



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## CERTIFICATE OF ANALYSIS

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URS Corporation - Gaithersburg

January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

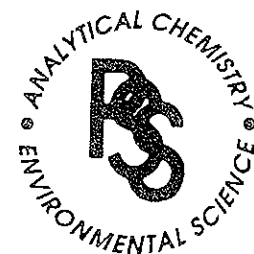
Date Sampled: 01/16/05 14:00

Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Target Compound List - SEMIVOLATILES</b>							
B-3 / 05011801-21 / Soil	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2-Nitrophenol	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2,4-Dimethylphenol	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Bis (2-chloroethoxy) methane	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2,4-Dichlorophenol	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Naphthalene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
4-Chloroaniline	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Hexachlorobutadiene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Caprolactam	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
4-Chloro-3-methylphenol	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2-Methylnaphthalene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Hexachlorocyclopentadiene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2,4,6-Trichlorophenol	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2,4,5-Trichlorophenol	ND	ug/kg	EPA 8270	970	01/19/05	01/27/05 19:18	BW
1,1-Biphenyl	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2-Chloronaphthalene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2-Nitroaniline	ND	ug/kg	EPA 8270	970	01/19/05	01/27/05 19:18	BW
Dimethyl phthalate	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2,6-Dinitrotoluene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Acenaphthylene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
3-Nitroaniline	ND	ug/kg	EPA 8270	970	01/19/05	01/27/05 19:18	BW
Acenaphthene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2,4-Dinitrophenol	ND	ug/kg	EPA 8270	970	01/19/05	01/27/05 19:18	BW
4-Nitrophenol	ND	ug/kg	EPA 8270	970	01/19/05	01/27/05 19:18	BW
Dibenzofuran	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
2,4-Dinitrotoluene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Diethyl phthalate	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Fluorene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
4-Chlorophenyl phenyl ether	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
4-Nitroaniline	ND	ug/kg	EPA 8270	970	01/19/05	01/27/05 19:18	BW
4,6-Dinitro-2-methylphenol	ND	ug/kg	EPA 8270	890	01/19/05	01/27/05 19:18	BW
N-Nitrosodiphenylamine	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
4-Bromophenyl phenyl ether	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Hexachlorobenzene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Atrazine	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Pentachlorophenol	ND	ug/kg	EPA 8270	970	01/19/05	01/27/05 19:18	BW

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 No. 05011801 Page 46 of 48  
 URS Corporation - Gaithersburg  
 January 31, 2005

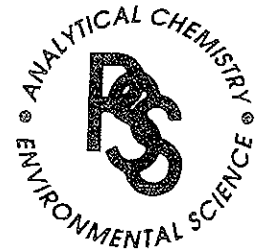
Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 14:00  
 Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-3 / 05011801-21 / Soil</b>							
<b>Target Compound List - SEMIVOLATILES</b>							
Phenanthrene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Anthracene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Carbazole	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Di-n-butyl phthalate	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Fluoranthene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Pyrene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Butyl benzyl phthalate	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
3,3-Dichlorobenzidine	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Benzo (a) anthracene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Chrysene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Bis (2-ethylhexyl) phthalate	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Di-n-octyl phthalate	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Benzo (b,k) fluoranthene	ND	ug/kg	EPA 8270	770	01/19/05	01/27/05 19:18	BW
Benzo (a) pyrene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Indeno (1,2,3-cd) pyrene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Dibenzo (a,h) anthracene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
Benzo (g,h,i) perylene	ND	ug/kg	EPA 8270	390	01/19/05	01/27/05 19:18	BW
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Chloromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Vinyl chloride	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Bromomethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Chloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Trichlorofluoromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,1-Dichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Acetone	ND	ug/kg	EPA 8260	120	01/18/05	01/18/05 19:51	MI
Carbon Disulfide	ND	ug/kg	EPA 8260	12	01/18/05	01/18/05 19:51	MI
Methyl Acetate	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Methylene chloride	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
trans-1,2-Dichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Methyl-t-Butyl Ether	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,1-Dichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
cis-1,2-Dichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
2-Butanone (MEK)	ND	ug/kg	EPA 8260	58	01/18/05	01/18/05 19:51	MI

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**URS Corporation - Gaithersburg**  
 January 31, 2005

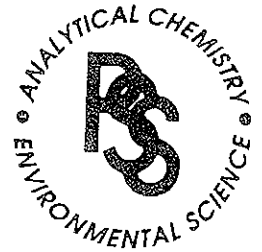
Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 14:00  
 Date Received: 01/18/05 10:00

Sample ID:	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
<b>Sample ID: B-3 / 05011801-21 / Soil</b>							
<b>Target Compound List - VOLATILES</b>							
Chloroform	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,1,1-Trichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Cyclohexane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Carbon tetrachloride	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Benzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,2-Dichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Trichloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Methylcyclohexane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,2-Dichloropropane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Bromodichloromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
cis-1,3-Dichloropropene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
4-Methyl-2-Pentanone (MIBK)	ND	ug/kg	EPA 8260	12	01/18/05	01/18/05 19:51	MI
Toluene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
trans-1,3-Dichloropropene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,1,2-Trichloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Tetrachloroethene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
2-Hexanone (MBK)	ND	ug/kg	EPA 8260	12	01/18/05	01/18/05 19:51	MI
Dibromochloromethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,2-Dibromoethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Chlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Ethylbenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
m&p-Xylene	ND	ug/kg	EPA 8260	12	01/18/05	01/18/05 19:51	MI
o-Xylene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Styrene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Bromoform	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Isopropylbenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,1,2,2-Tetrachloroethane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,3-Dichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,4-Dichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,2-Dichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,2-Dibromo-3-chloropropane	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
1,2,4-Trichlorobenzene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
Naphthalene	ND	ug/kg	EPA 8260	6	01/18/05	01/18/05 19:51	MI
<b>Total Petroleum Hydrocarbons</b>							
Gasoline Range Organics	ND	ug/kg	EPA 8015B	110	01/26/05	01/26/05 6:05	AK

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 6630 BALTIMORE NATIONAL PIKE  
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 800-932-9047  
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 www.phaseonline.com

# PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS  
 No. 05011801 Page 48 of 48  
**URS Corporation - Gaithersburg**  
 January 31, 2005

Project: Buzzards Point  
 Site Location: Washington DC  
 Project Number: 15297096.01000

Date Sampled: 01/16/05 14:00  
 Date Received: 01/18/05 10:00

	Result	Unit	Method	PQL	Prepared	Analyzed	Init.
Sample ID: B-3 / 05011801-21 / Soil							
Total Petroleum Hydrocarbons - DRO							
Diesel Range Organics	ND	mg/kg	EPA 8015B	11	01/24/05	01/24/05 20:54	BW

Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

Results reported on a dry weight basis where applicable.

Reviewed By: \_\_\_\_\_

Quality Assurance Chemist



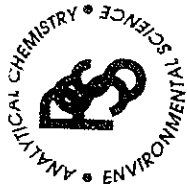
# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

www.phaseonline.com  
email: info@phaseonline.com

## PHASE SEPARATION SCIENCE, INC.

1 CLIENT: <u>URS - Green the suburbs</u> PHONE NO.: <u>(301) 258-9780</u> PROJECT MGR: <u>Carol Maslan</u> FAX NO.: <u>(301) 869-8728</u> EMAIL: <u>roger_naylor@urscorp.com</u> PROJECT NAME: <u>Buzzards Point</u> SITE LOCATION: <u>Washington, DC</u> PROJECT NO.: <u>15297096.0100</u> PO. NO.:		PSS Project #: <u>05011801</u> PAGE <u>1</u> OF <u>3</u>		PRESERVATIVES USED: <u>None</u> ANALYSIS REQUIRED: <u>3</u>											
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. CONTAINERS	SAMPLE TYPE	C = COMP	G = GRAB	TPH-DRO	TPH-GRO	PCB'S	VOC'S	SVOC'S	PM10'S	REMARKS
01	B-11	11/15/05	9:00	GW	3	G			✓	✓	✓	✓	✓	✓	
02	B-12	11/15/05	9:45	GW	3	G			✓	✓	✓	✓	✓	✓	
03	B-10	11/16/05	15:00	GW	6	G			✓	✓	✓	✓	✓	✓	
04	EP	11/15/05	17:30	Liquid	3	G			✓	✓	✓	✓	✓	✓	
05	WP	11/15/05	12:55	Liquid	3	G			✓	✓	✓	✓	✓	✓	
06	B-8	11/15/05	14:00	GW	3	G			✓	✓	✓	✓	✓	✓	
07	B-4	11/16/05	15:15	GW	7	G			✓	✓	✓	✓	✓	✓	
08	B-1	11/16/05	11:30	GW	3	G			✓	✓	✓	✓	✓	✓	
09	B-2	11/16/05	14:45	GW	4	G			✓	✓	✓	✓	✓	✓	
4															
5 Collected / Relinquished By: (1) <u>[Signature]</u>										Requested Turnaround Time <input checked="" type="checkbox"/> 5-Day (Std.) <input type="checkbox"/> 3-Day <input type="checkbox"/> 2-Day <input type="checkbox"/> Next Day <input type="checkbox"/> Emergency <input type="checkbox"/> Other			Sample Condition Upon Receipt: <u>Cover on ice</u> Custody Seal:		
Relinquished By: (2)										Data Deliverables Required:			Shipping Carrier: <u>Fed Ex</u> Shipping Ticket No.:		
Relinquished By: (3)										Special Instructions:					
Collected / Relinquished By: (4)										Received By:					

6630 Baltimore National Pike • Route 40 West • Baltimore, Maryland 21228 • (410) 747-8770 • (800) 932-9047 • Fax (410) 788-8723  
 The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



# SAMPLE CHAIN OF CUSTODY/AGREEMENT FORM

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email: info@phaseonline.com

## PHASE SEPARATION SCIENCE, INC.

1 CLIENT: URS - Gaithersburg PHONE NO.: (301) 258-9780  
 PROJECT MGR: Cara MastanRq FAX NO.: (301) 869-8728  
 EMAIL: roger\_naylor@urscorp.com  
 PROJECT NAME: Buzzards Point  
 SITE LOCATION: Washington, DC.  
 PROJECT NO.: 15297096.01000.P.O. NO.:

PSS Project #: 05011801 PAGE 2 OF 3

No.	C O N T A I N E R S	SAMPLE TYPE	C = COMP	G = GRAB	Preservatives Used	Analysis Required	TPH-DRO	TPH-GRO	PCBS	VOCs	SVOCs	PRMTs	None	None	None	None	REMARKS
10	B-11	Soil	G		✓		✓	✓	✓	✓	✓	✓					
11	B-12	Soil	G		✓		✓	✓	✓	✓	✓	✓					
12	B-10	Soil	G		✓		✓	✓	✓	✓	✓	✓					
13	B-9	Soil	G		✓		✓	✓	✓	✓	✓	✓					
14	B-8	Soil	G		✓		✓	✓	✓	✓	✓	✓					
15	B-5	Soil	G		✓		✓	✓	✓	✓	✓	✓					
16	B-6	Soil	G		✓		✓	✓	✓	✓	✓	✓					
17	B-7	Soil	G		✓		✓	✓	✓	✓	✓	✓					
18	B-4	Soil	G		✓		✓	✓	✓	✓	✓	✓					
19	B-2	Soil	G		✓		✓	✓	✓	✓	✓	✓					

2

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	Received By:
10	B-11	1/15/05	9:00	Soil	
11	B-12	1/15/05	9:45	Soil	
12	B-10	1/15/05	10:30	Soil	
13	B-9	1/15/05	11:30	Soil	
14	B-8	1/15/05	14:00	Soil	
15	B-5	1/15/05	14:50	Soil	
16	B-6	1/15/05	15:30	Soil	
17	B-7	1/16/05	9:45	Soil	
18	B-4	1/16/05	10:45	Soil	
19	B-2	1/16/05	11:30	Soil	

5

Collected / Relinquished By: (1)	Date	Time	Received By:
<i>[Signature]</i>	1/17/05	11:30	
Relinquished By: (2)	Date	Time	Received By:
<i>[Signature]</i>	1/16/05	10:00	<i>[Signature]</i>
Relinquished By: (3)	Date	Time	Received By:
Collected / Relinquished By: (4)	Date	Time	Received By:

4

Requested Turnaround Time:  5-Day (Std.)  3-Day  2-Day  Next Day  Emergency  Other

Data Deliverables Required:

Sample Condition Upon Receipt: GOOD on IQ  
 Custody Seal:

Shipping Carrier: FedEx  
 Shipping Ticket No.:

Special Instructions:

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 The client (Client Name), by signing, or having client's agent sign, this "Sample Chain of Custody/Agreement Form", agrees to pay for the above requested services per the latest version of the Service Brochure or PSS-provided quotation including any and all attorney's or other reasonable fees if collection becomes necessary.



# ***A*dvantage *E*nvironmental *C*onsultants, LLC**

---

## **Data Package**

**100 V Street, SW  
Square 611 Lot 19 and a Portion of Square 609 Lot 810  
Washington, DC 20024**

**AEC Project No. 20-238**

**Prepared by:**

**Advantage Environmental Consultants, LLC  
8610 Washington Boulevard, Suite 217  
Jessup, Maryland 20794  
Phone – (301)-776-0500  
Fax – (301)-776-1123**

**September 21, 2020**



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## INTRODUCTION

### Previous Investigation

In May of 2005 twelve soil borings were advanced on the Site in a general grid pattern. The borings were advanced using a Geoprobe rig. Figures, tables and boring logs summarizing the investigation are included as an Attachment.

### Field Methodology Summary

In general, soil samples were collected at the Site from three depth intervals: surface soil (0.5 to 2 feet below ground surface (bgs)); shallow soil (2 to 3 feet bgs); and, deep soil (from zones exhibiting elevated photoionization detector (PID) readings or directly above the water table). Grab soil samples were collected from all of the borings from varying intervals, including shallow and deeper zones. Groundwater samples were also collected from multiple locations at the Site using temporary PVC wells. The soil samples were analyzed for TPH Gasoline Range Organics (GRO) and DRO, VOCs, priority pollutant metals (PPM), poly-chlorinated biphenols (PCBs), and Toxicity Characteristic Leachate Procedure (TCLP) metals. The groundwater samples were analyzed for TPH DRO and VOCs.

### Soil Analytical Results Summary

The results of the TPH GRO and DRO in soils analyses identified TPH DRO concentrations in two of the nine soil samples collected from the Site. None of the soil samples indicated TPH GRO concentrations. The TPH DRO concentrations above the laboratory detection limit in the soil samples ranged from 15 milligrams per kilograms (mg/kg) in sample B-16 (2.5') to 50 mg/kg in sample B-21 (7'). None of the TPH GRO or DRO sample analysis results exceed the regulatory standards.

The VOC concentrations in all three of the soil samples collected from the Site were below the laboratory detection limits.

All of the metal concentrations in the two soil samples collected from the site were below the TCLP metals regulatory limits (pass as opposed to fail).

The priority pollutant metals analysis for the two soil samples collected at the site indicated arsenic and lead exceedances. The arsenic concentration was 8.2 mg/kg in sample B-24 (7-8') and 4.2 mg/kg in sample B-18 (3-4'). The range of arsenic concentrations in the eastern United States presented in Elements in North American Soils (Dragun and Chiasson, 1991) is <1.0 mg/kg to 73 mg/kg with a mean of 7.4 mg/kg. Therefore, arsenic in Site soils appears to be naturally occurring. Furthermore, AEC understands that the arsenic cleanup level at the Spring Valley World War I era chemical weapons testing range cleanup site in DC is 20 mg/kg. The lead concentration in one of the two samples analyzed was 1,000 mg/kg in sample B-24 (7-8') which exceeds the 400 mg/kg standard.

The PCB concentrations in all five of the soil samples collected by AEC from the Site were below the laboratory detection limits.

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## **Groundwater Analytical Results Summary**

The TPH DRO and VOC concentrations in all five of the groundwater samples collected from the Site were below the laboratory detection limits.

## **Site Condition Summary**

Based on previous sub-surface soil testing low levels of TPH in soil have been detected in isolated areas of the Site. In general, the TPH in soil are found primarily in the upper 12 feet in the urban fill material. Low levels of lead in soil and low levels of arsenic in soil have also been detected in the fill material. No VOCs or TPH were detected in the groundwater samples.

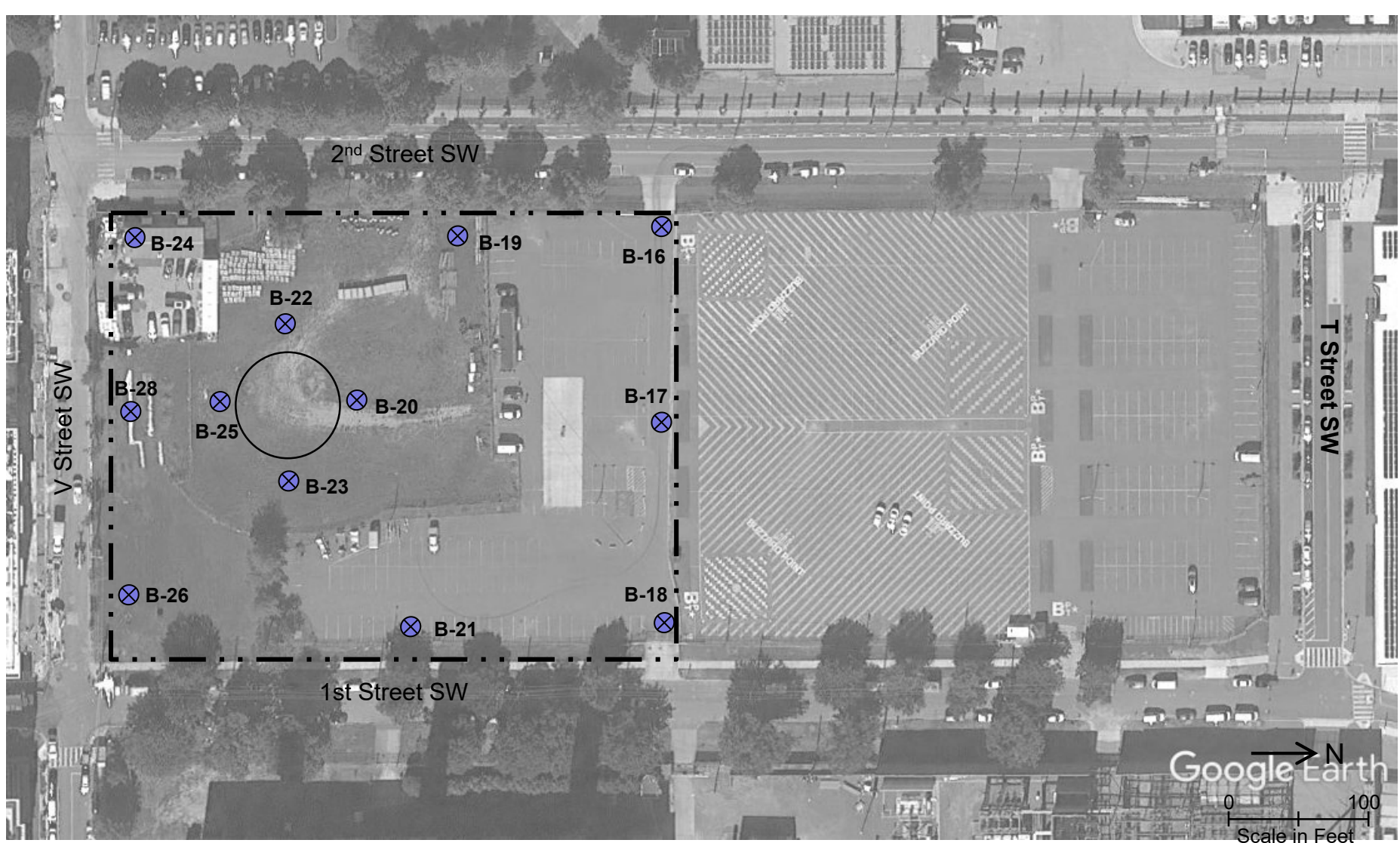


Image from Google Earth

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 Phone: 301-776-0500 Fax: 301-776-1123

Legend  
 ⊗ = Soil Boring

<b>Soil Boring Location Map – 2005 Study</b> <b>100 V Street SW</b> <b>Washington DC</b>		
AEC Project No.: 05-093	Report Date: 9-10-20	Drawn By: JS

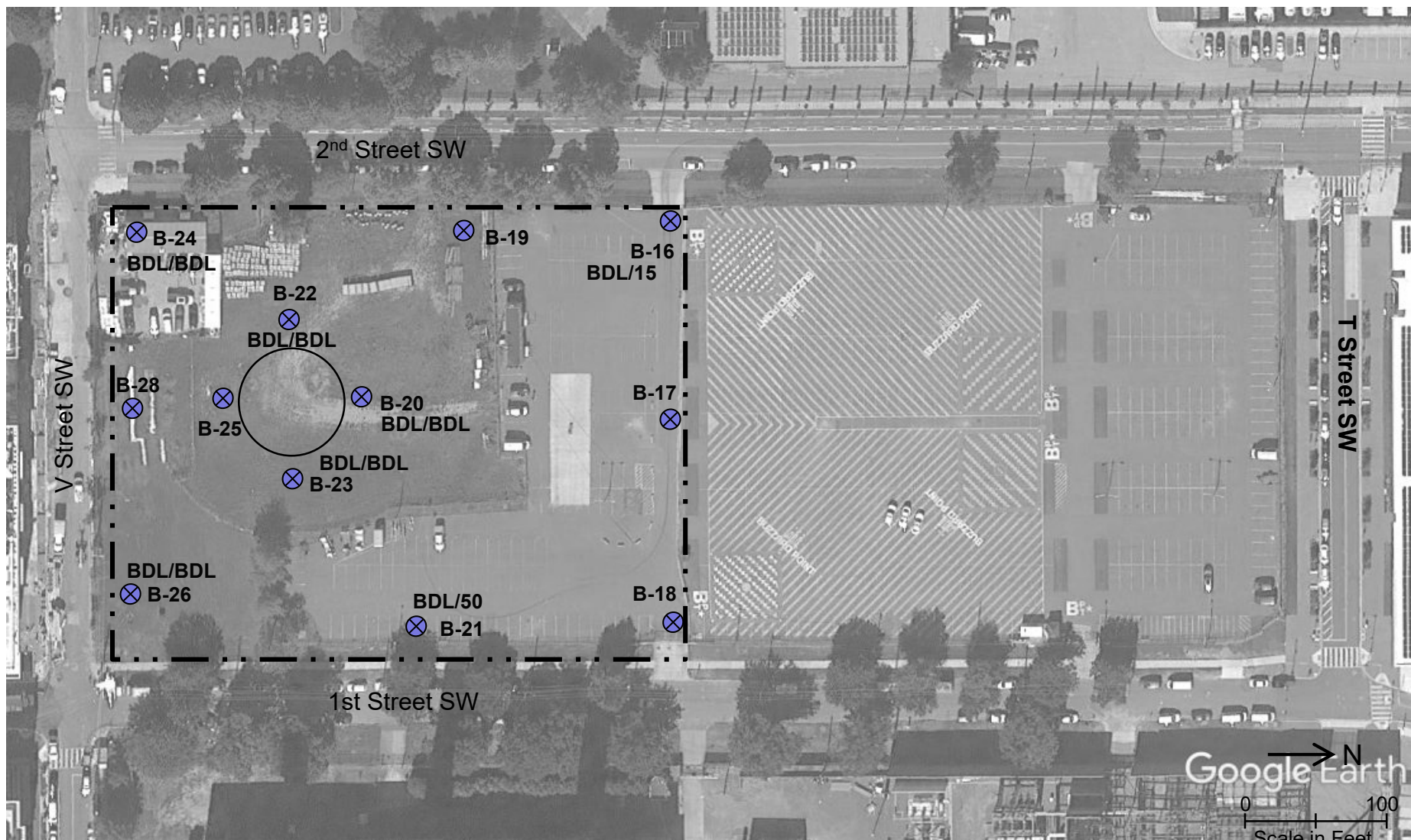


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**Legend**  
 ⊗ = Soil Boring  
 Total Petroleum Hydrocarbons (TPH)  
 Gasoline Range Organics (GRO)  
 Diesel Range Organics (DRO)  
 GRO/DRO in mg/kg  
 Below Detection Limits (BDL)

**Soil Quality Map – 2005 Study**  
**TPH GRO/DRO – Shallow (0-8')**  
**100 V Street SW**  
**Washington DC**

AEC Project No.: 05-093	Report Date: 9-10-20	Drawn By: JS
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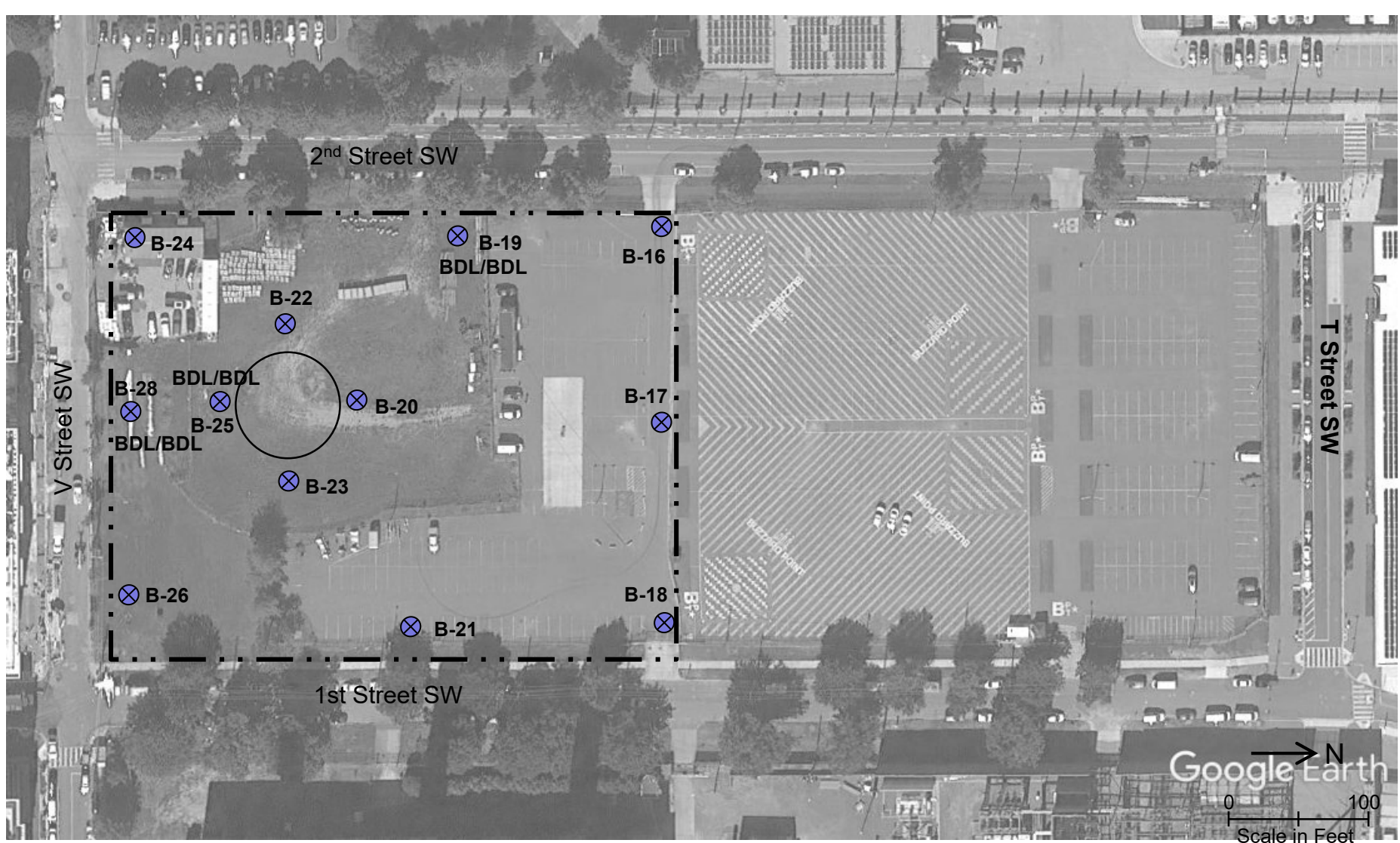


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**Legend**  
 ⊗ = Soil Boring  
 Total Petroleum Hydrocarbons (TPH)  
 Gasoline Range Organics (GRO)  
 Diesel Range Organics (DRO)  
 GRO/DRO in mg/kg

**Soil Quality Map – 2005 Study**  
**TPH GRO/DRO – Deep (>8')**  
**100 V Street SW**  
**Washington DC**

AEC Project No.: 05-093	Report Date: 9-10-20	Drawn By: JS
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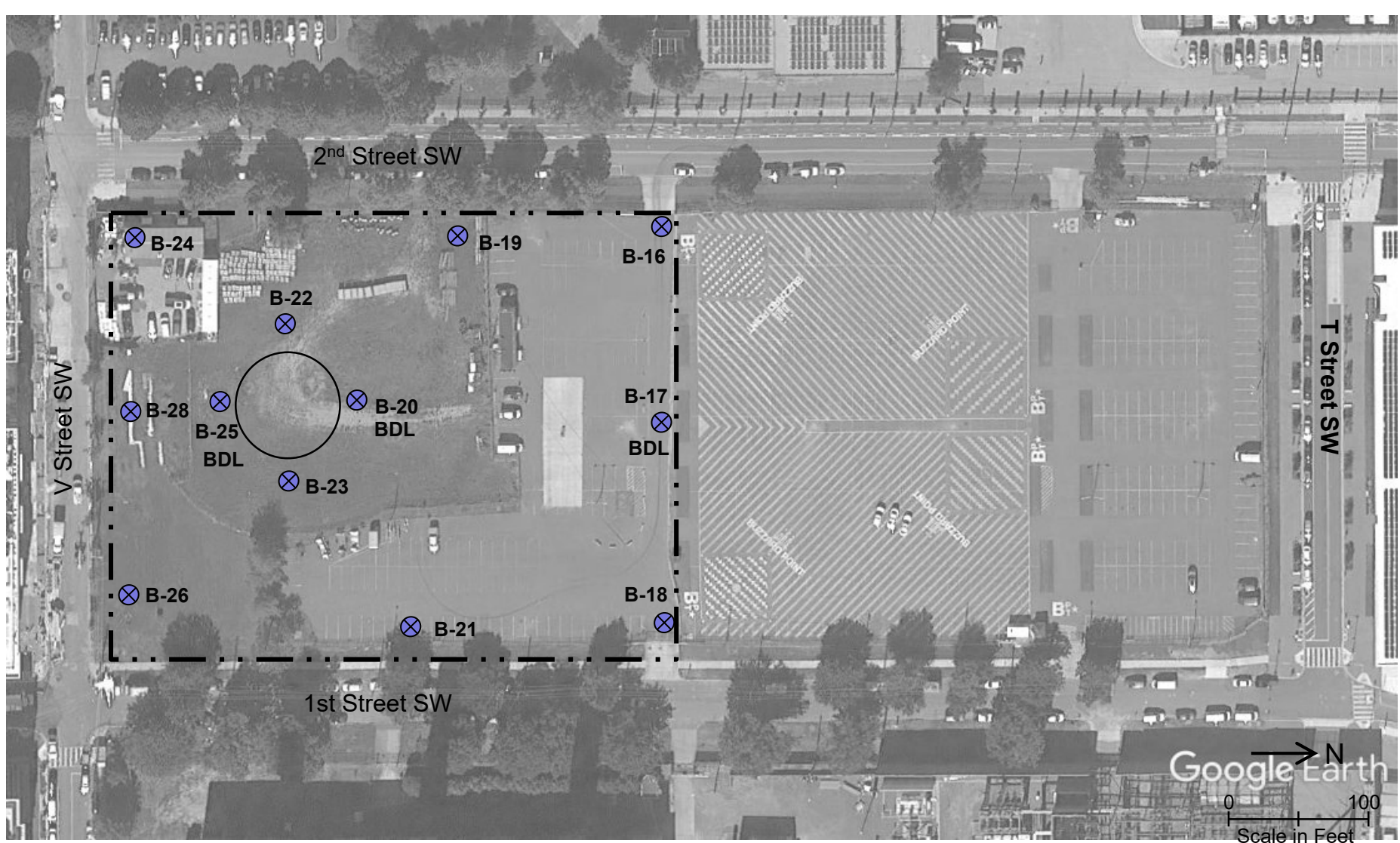


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**Legend**  
 ⊗ = Soil Boring  
 Volatile Organic Compounds (VOCs) in ug/kg

**Soil Quality Map – 2005 Study**  
**VOCs**  
**100 V Street SW**  
**Washington DC**

AEC Project No.: 05-093	Report Date: 9-10-20	Drawn By: JS
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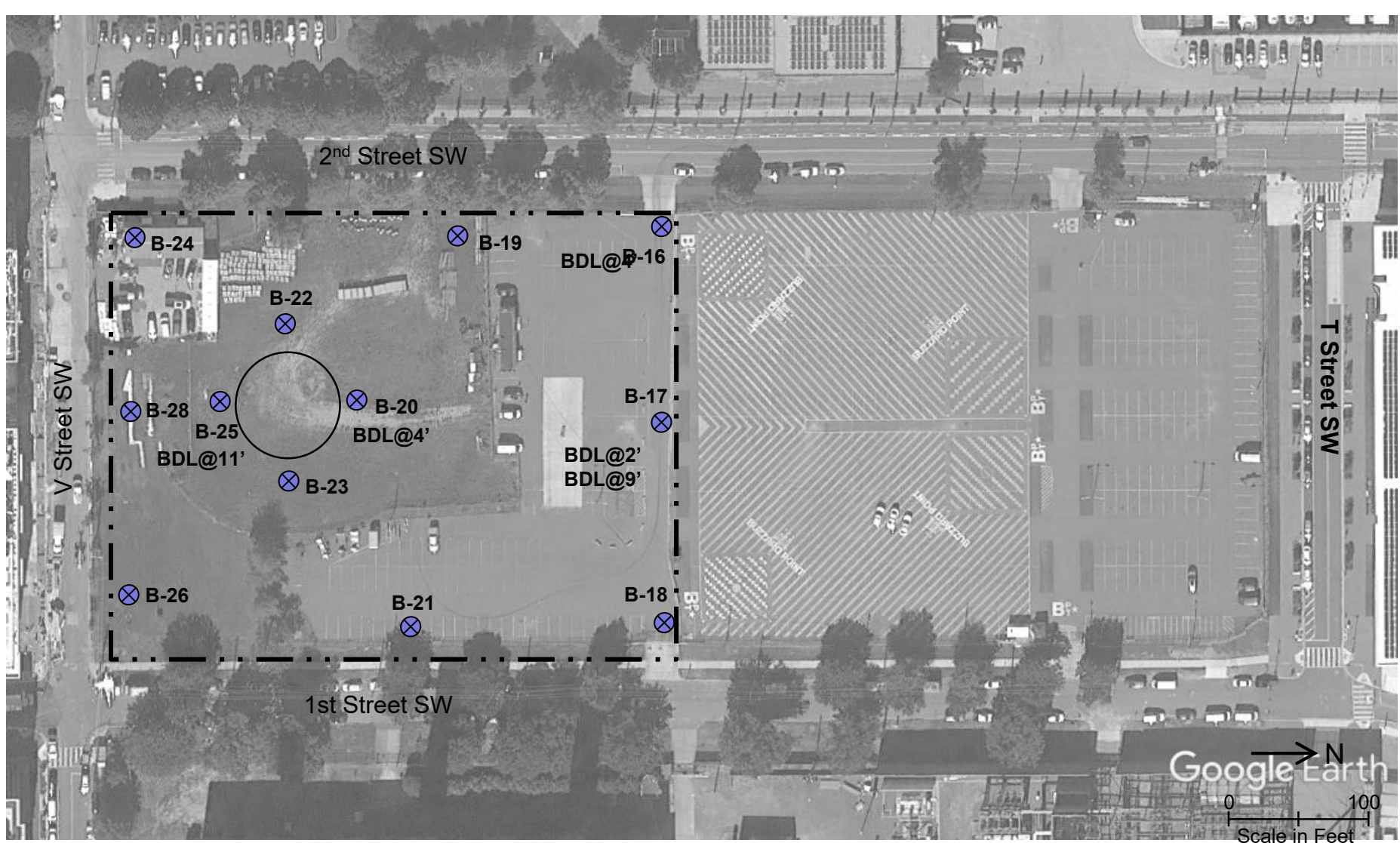


Image from Google Earth

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**Legend**  
 ⊗ = Soil Boring  
 Polychlorinated Bi-phenols (PCBs) in ug/kg  
 Below Detection Limits (BDL)

**Soil Quality Map – 2005 Study**  
**PCBs**  
**100 V Street SW**  
**Washington DC**

AEC Project No.: 05-093	Report Date: 9-10-20	Drawn By: JS
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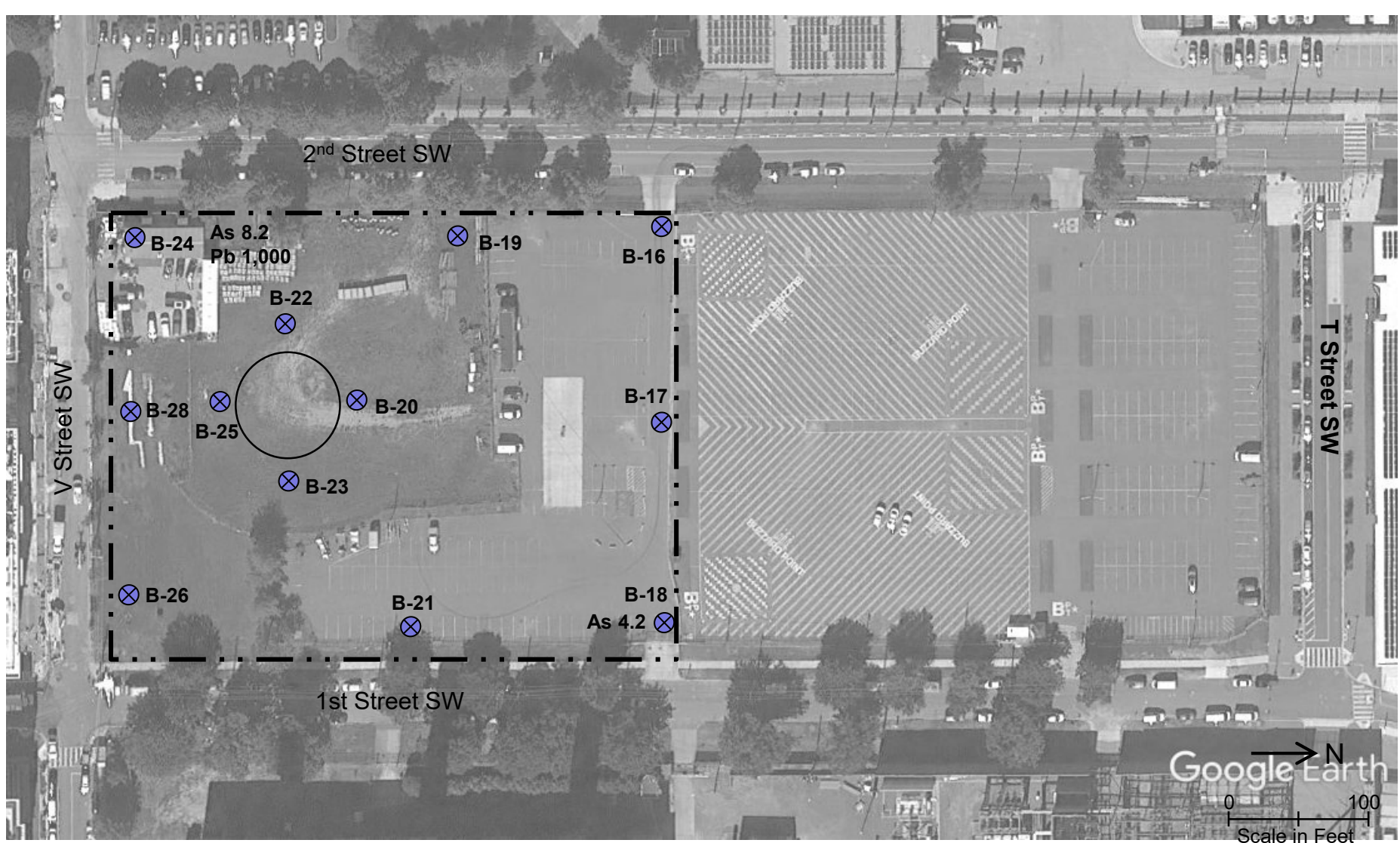


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**Legend**  
 ⊗ = Soil Boring  
 Priority Pollutant Metals (PPM) in mg/kg  
 Only metal concentrations above the EPA RSLs are shown (Arsenic (As)).

<b>Soil Quality Map – 2005 Study</b>		
<b>PPM</b>		
<b>100 V Street SW</b>		
<b>Washington DC</b>		
AEC Project No.: 05-093	Report Date: 9-10-20	Drawn By: JS



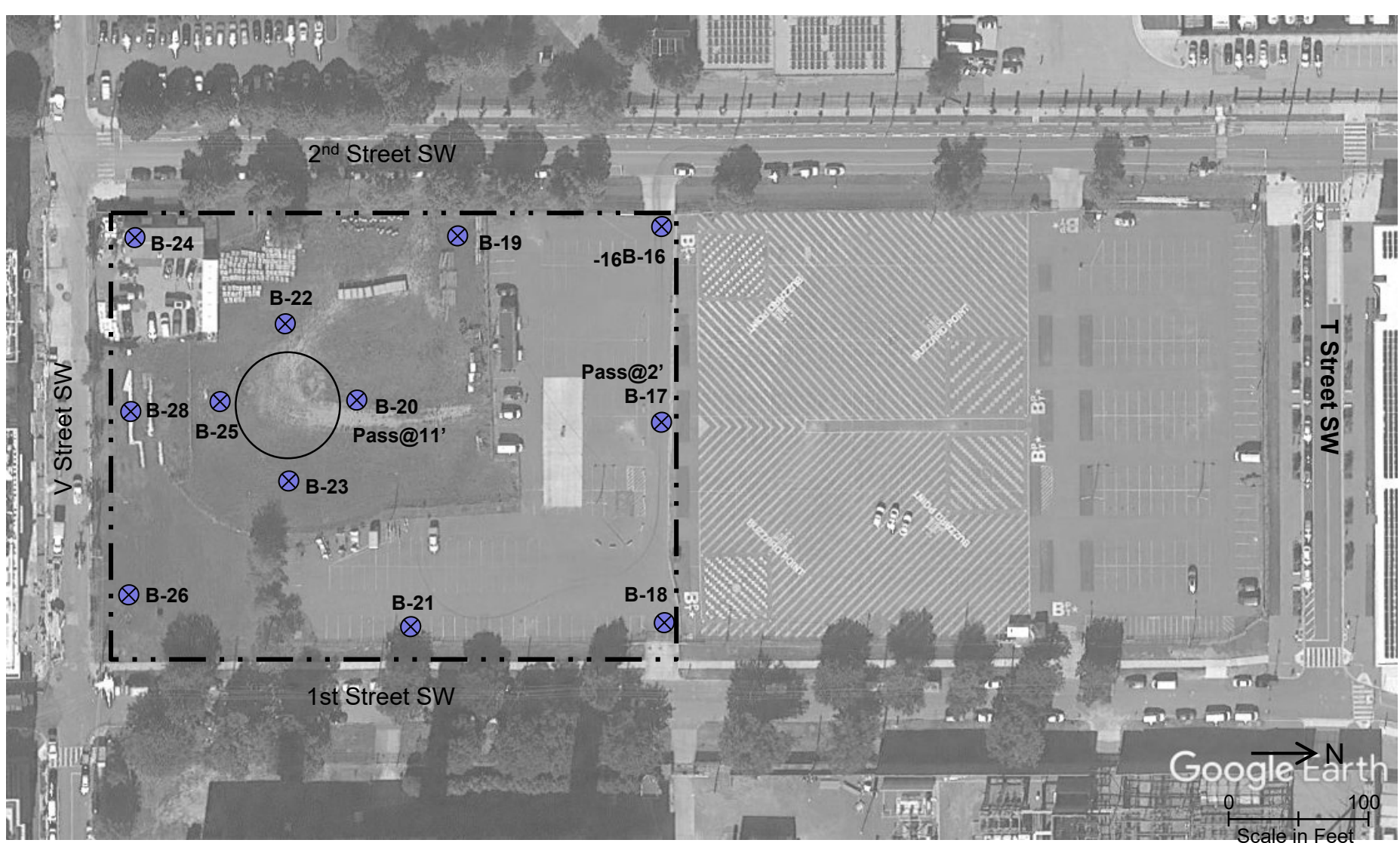


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Legend  
 ⊗ = Soil Boring  
 Toxicity Characteristic Leachate Procedure (TCLP)

<b>Soil Quality Map – 2005 Study</b>		
<b>TCLP Metals</b>		
<b>100 V Street SW</b>		
<b>Washington DC</b>		
AEC Project No.: 05-093	Report Date: 9-10-20	Drawn By: JS

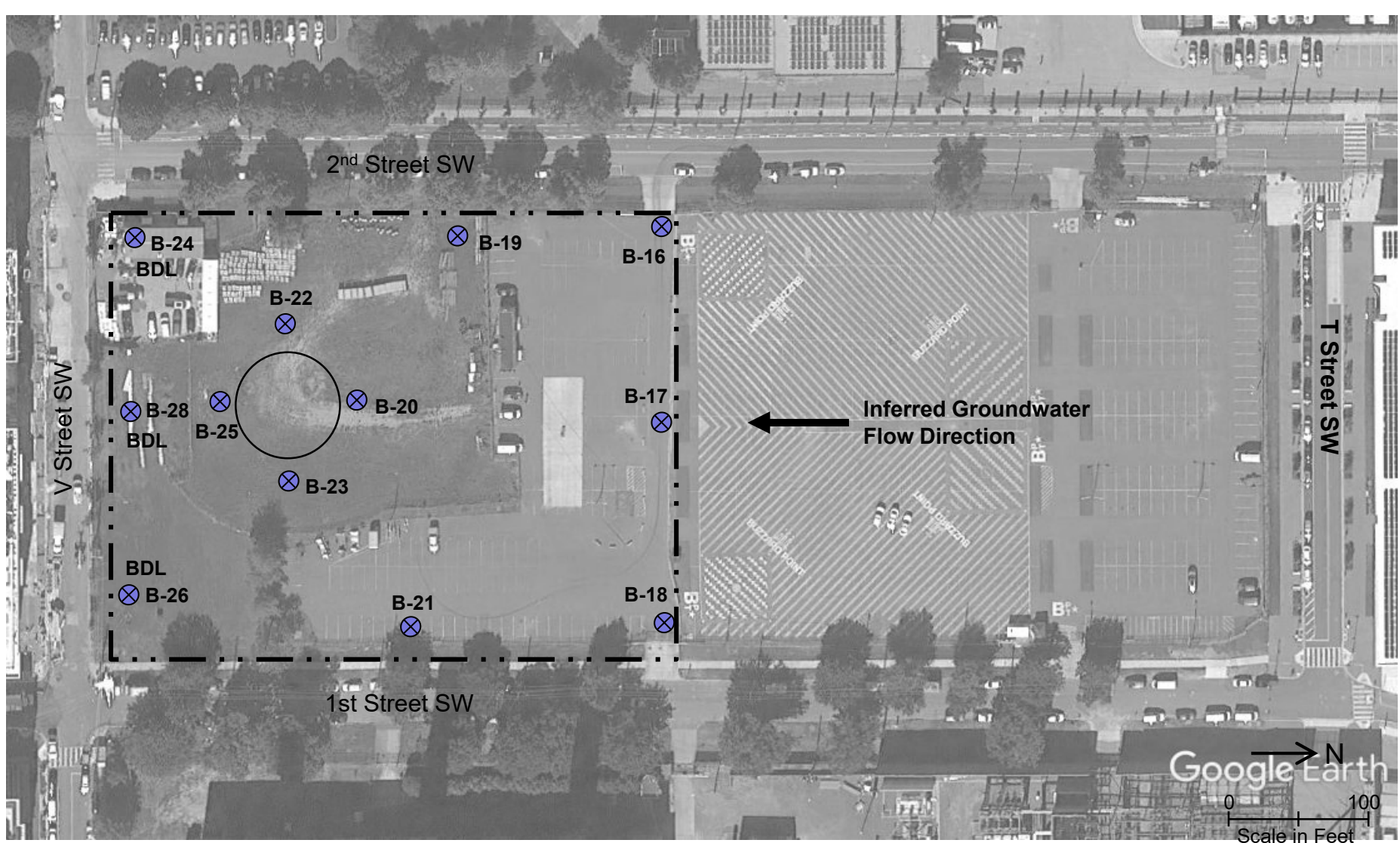


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**Legend**  
 ⊗ = Soil Boring  
 Total Petroleum Hydrocarbons (TPH)  
 Diesel Range Organics (DRO)  
 DRO in mg/l  
 Below Detection Limits (BDL)

**Groundwater Quality Map – 2005 Study**  
**TPH DRO**  
**100 V Street SW**  
**Washington DC**

AEC Project No.: 05-093	Report Date: 9-10-20	Drawn By: JS
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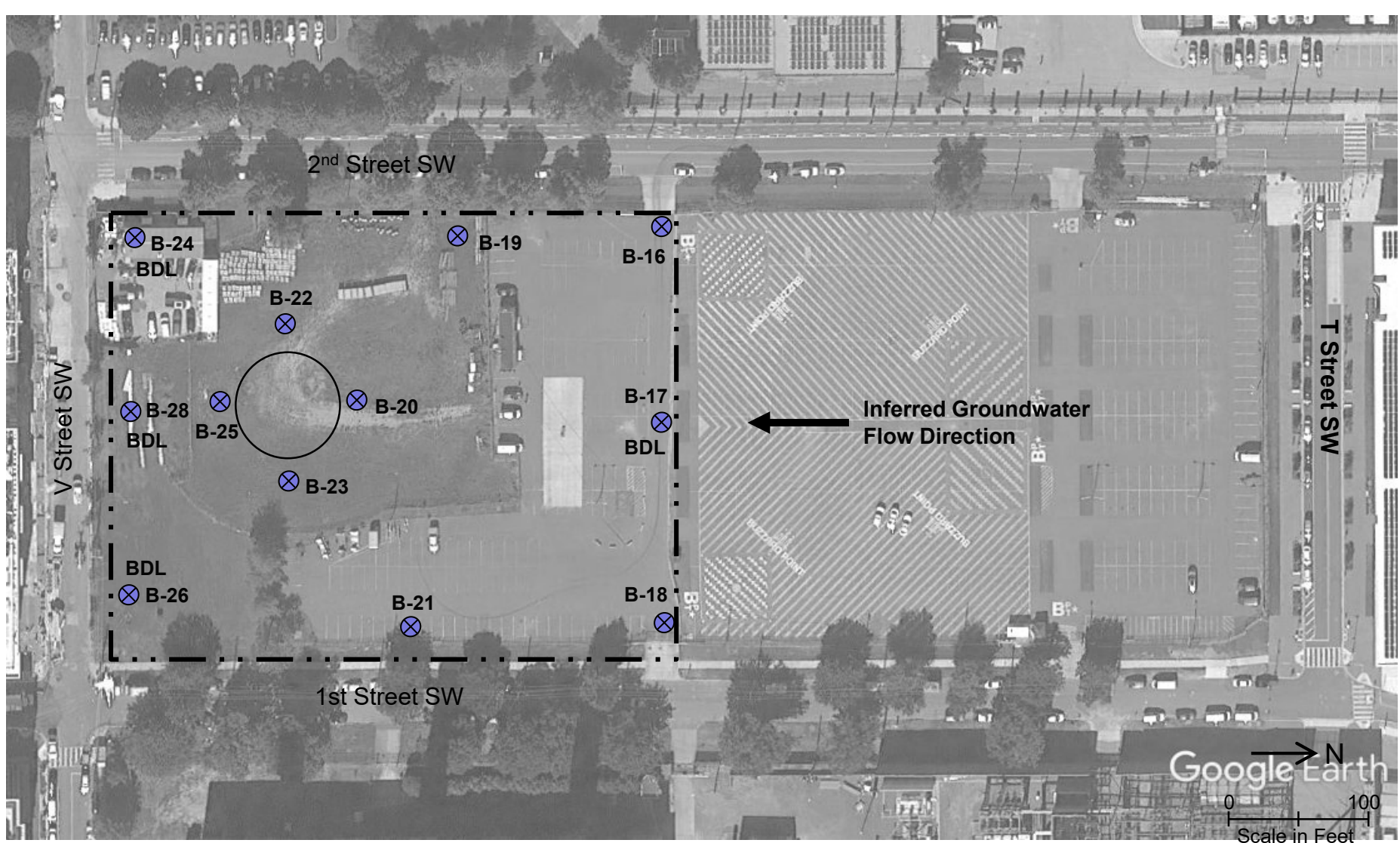


Image from Google Earth

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 Phone: 301-776-0500 Fax: 301-776-1123

**Legend**  
 ⊗ = Soil Boring  
 Volatile Organic Compounds (VOCs) in ug/l  
 Below Detection Limits (BDL)

<b>Groundwater Quality Map – 2005 Study</b>		
<b>VOCs</b>		
<b>100 V Street SW</b>		
<b>Washington DC</b>		
AEC Project No.: 05-093	Report Date: 9-10-20	Drawn By: JS

**100 V Street Phase I Groundwater Summary**  
**Volatile Organic Compounds (ug/l)**  
**Samples Collected 2005**

<b>Analyte</b>	<b>Regulation Limit</b>	<b>B-17</b>	<b>B-20</b>	<b>B-24</b>	<b>B-26</b>	<b>B-28</b>
Vinyl chloride	47.1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trans-1,2-dichloroethene	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cis-1,2-dichloroethene	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	254	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	799	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	1,500	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Regulation Limit based on DCDOH Residential Groundwater - Risk Based Screening Levels, 2

**100 V Street Phase I Soil Summary**  
**Volatile Organic Compounds (ug/kg)**  
**Samples Collected 2005**

Analyte	Regulation Limit	B-17 (9')	B-20 (9')	B-25 (11')
Ethylbenzene	1,160,000	< 5.0	< 5.0	< 5.0
m,p-xylene	596,000	< 5.0	< 5.0	< 5.0
o-xylene	449,000	< 5.0	< 5.0	< 5.0
Isopropylbenzene	NS	< 5.0	< 5.0	< 5.0
1,1,2,2-PCA	NS	< 5.0	< 5.0	< 5.0
N-propylbenzene	1,720,000	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	10,400	< 5.0	< 5.0	< 5.0
Tert-butylbenzene	517,000	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	15,200	< 5.0	< 5.0	< 5.0
Sec-butylbenzene	515,000	< 5.0	< 5.0	< 5.0
4-Isopropyltoluene	NS	< 5.0	< 5.0	< 5.0
Naphthalene	NS	< 5.0	< 5.0	< 5.0

Regulation Limit based on DCDOH Residential Soil - Generic Soil Quality Standards, 2

**100 V Street Phase I Soil Summary**  
**Priority Pollutant Metals (mg/kg)**  
**Samples Collected 2005**

<b>Analyte</b>	<b>Regulation Limit</b>	<b>B-24 (7-8')</b>	<b>B-18 (3-4')</b>
Antimony	NS	< 1.0	< 1.0
Arsenic	0.101	8.2	4.2
Beryllium	NS	< 0.5	< 0.5
Cadmium	0.3	1.5	0.5
Chromium	98,800	23.0	27.7
Copper	2,630	87.1	20.3
Lead	400	1000	61.4
Mercury	NS	0.9	< 0.1
Nickel	NS	20.6	20.6
Selenium	NS	< 0.5	< 0.5
Silver	329	< 1.0	< 1.0
Thallium	NS	< 1.0	< 1.0
Zinc	19,800	420	62.1

Regulation Limit based on DCDOH Residential Soil - Generic Soil Quality

**100 V Street Phase I Soil Summary**

**TCLP Metals (mg/l)**

**Samples Collected 2005**

Analyte	TCLP Regulation Limit	B-17 (2-3')	B-20 (9')
Arsenic	5.0	< 0.050	< 0.050
Barium	100.0	0.450	0.560
Cadmium	1.0	< 0.005	< 0.005
Chromium	5.0	< 0.010	0.053
Lead	5.0	< 0.010	0.320
Mercury	0.2	< 0.002	< 0.002
Selenium	1.0	< 0.010	< 0.010
Silver	1.0	< 0.010	< 0.010

Regulation Limit based on EPA Hazardous Waste Regulations

**100 V Street Phase I Soil Summary**

**TPH GRO and DRO (mg/kg)**

**Samples Collected 2005**

Analyte	Limit	B16 (2.5')	B24 (7-8')	B26 (7-8')	B19 (11-12')	B20 (4')	B21 (7')	B22 (6')	B23 (1')	B25 (11')
TPH - GRO	100	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TPH - DRO	100	15	< 10	< 10	< 10	< 10	50	< 10	< 10	< 10

Regulation Limit based on DCDOH LUST Remediation Standard

































**APPENDIX G**

**RECORDS OF COMMUNICATION**



***Phase I ESA Due Diligence Environmental Questionnaire for  
100 V Street SW, Washington, DC 20024***

Please fax to 301-776-1123 or email to [jstein@aec-env.com](mailto:jstein@aec-env.com)

Completed by: Andrei Ponomarev

Date: 9-18-20

1.) Who is the current owner of the subject property and when was it purchased?

[S.W. Land Holder LLC](#)

2.) Who are the past owners of the property?

[PEPCO](#)

3.) What was the past use of the subject property?

[Pepco power plant coal and fuel storage. Currently a parking lot.](#)

4.) Are you aware of any environmental cleanup liens that are filed or recorded against the subject property?

[No](#)

5.) Are you aware of any activity and land use limitations that are in place on the property that have been filed or recorded in a registry?

[No](#)

6.) Are you aware of any specialized knowledge or experience related to the property or nearby properties that is pertinent to potential adverse environmental conditions?

[No](#)

7.) Are you aware of any underground or aboveground storage tanks, either currently in use or in use in the past, on the property? Please list the location, age, size, and contents of any such tanks.

[Yes, AST has since been removed from site \(2006\)](#)

8.) Are you aware of any current or past hazardous materials, chemical storage, or hazardous wastes storage at the property?

[No](#)

9.) Are you aware of any hazardous materials or chemical spills or releases, including any from underground or aboveground storage tanks, at the property?

[No](#)



10.) Are you aware of any environmental cleanups conducted on the property?

No

11.) Are you aware of other commonly known or reasonably obtainable information that would help AEC to identify conditions indicative of releases or threatened releases of hazardous wastes/materials at the property?

No

12.) Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

No

13.) Are you aware of any prior environmental assessments/investigations that have been conducted at the subject property or its adjacent/nearby properties? Please provide copies of available prior reports.

Yes, reports are attached to this report.

**From:** [Meredith Boyce](#)  
**To:** [jstein@aec-env.com](mailto:jstein@aec-env.com)  
**Subject:** FW: Request Acknowledgement by DC Government FOIA Portal  
**Date:** Friday, September 18, 2020 1:20:35 PM  
**Attachments:** [image001.jpg](#)

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Meredith A. Boyce  
Senior Environmental Scientist

 Advantage Environmental Consultants, LLC

8610 Washington Boulevard | Suite 217 | Jessup, MD 20794

Office: 301-776-0500 | Cell: 267-978-4860 | Fax: 301-776-1123

[mboyce@aec-env.com](mailto:mboyce@aec-env.com)     [aec-env.com](http://aec-env.com)

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**From:** FOIA.SystemAdmin@dc.gov <FOIA.SystemAdmin@dc.gov>  
**Sent:** Friday, September 18, 2020 1:16 PM  
**To:** [mboyce@aec-env.com](mailto:mboyce@aec-env.com)  
**Subject:** Request Acknowledgement by DC Government FOIA Portal

**This is an automated message from the DC Government FOIA system.**

Dear Meredith Boyce,

Request Number 2020-FOIA-07983 has been assigned to the request you submitted in relation to:

Request description: I am requesting any information your agency has in regard to underground or aboveground storage tanks; chemical spills or releases; hazardous material storage or spills; or any other environmental concerns associated with the following addresses: 1.) 100 V Street, SW, Washington, DC 20003; 2.) 151 T Street, SW, Washington, DC 20003; 3.) 101 V Street, SW, Washington, DC 20003. (Date Range for Record Search: From 01/01/1980 To 09/18/2020)

In all future correspondence regarding this request, please reference request number 2020-FOIA-07983. To check for status, please log in <https://foia-dc.gov/palMain.aspx> and go to Request Status.

For any questions regarding your request, please contact the FOIA office directly. Find the list of agency Open Government and FOIA contact information by visiting [FOIA Contact Information](#). For ease of reference, we ask that you have your FOIA Request Number available when you contact the FOIA office.

Regards,

DC Government FOIA Portal

Having technical difficulties? Email [FOIA.SystemAdmin@dc.gov](mailto:FOIA.SystemAdmin@dc.gov) or call 202-478-5973

**From:** [FOIA.SystemAdmin@dc.gov](mailto:FOIA.SystemAdmin@dc.gov)  
**To:** [lfabian@aec-env.com](mailto:lfabian@aec-env.com)  
**Subject:** Request Acknowledgement by DC Government FOIA Portal  
**Date:** Tuesday, September 29, 2020 9:48:52 AM

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**This is an automated message from the DC Government FOIA system.**

Dear Lauren Fabian,

Request Number 2020-FOIA-08205 has been assigned to the request you submitted in relation to:

Request description: We are looking for any UST, LUST, or hazardous materials information for the property located at 100 V Street SW in Washington, DC.

In all future correspondence regarding this request, please reference request number 2020-FOIA-08205. To check for status, please log in <https://foia-dc.gov/palMain.aspx> and go to Request Status.

For any questions regarding your request, please contact the FOIA office directly. Find the list of agency Open Government and FOIA contact information by visiting [FOIA Contact Information](#). For ease of reference, we ask that you have your FOIA Request Number available when you contact the FOIA office.

Regards,

DC Government FOIA Portal

Having technical difficulties? Email [FOIA.SystemAdmin@dc.gov](mailto:FOIA.SystemAdmin@dc.gov) or call 202-478-5973

**From:** [FOIA.SystemAdmin@dc.gov](mailto:FOIA.SystemAdmin@dc.gov)  
**To:** [lfabian@aec-env.com](mailto:lfabian@aec-env.com)  
**Subject:** Request Acknowledgement by DC Government FOIA Portal  
**Date:** Tuesday, September 29, 2020 9:47:52 AM

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**This is an automated message from the DC Government FOIA system.**

Dear Lauren Fabian,

Request Number 2020-FOIA-08204 has been assigned to the request you submitted in relation to:

Request description: We are looking for any UST, LUST, or VCP information for the property located at 100 V Street SW in Washington, DC.

In all future correspondence regarding this request, please reference request number 2020-FOIA-08204. To check for status, please log in <https://foia-dc.gov/palMain.aspx> and go to Request Status.

For any questions regarding your request, please contact the FOIA office directly. Find the list of agency Open Government and FOIA contact information by visiting [FOIA Contact Information](#). For ease of reference, we ask that you have your FOIA Request Number available when you contact the FOIA office.

Regards,

DC Government FOIA Portal

Having technical difficulties? Email [FOIA.SystemAdmin@dc.gov](mailto:FOIA.SystemAdmin@dc.gov) or call 202-478-5973

**APPENDIX H**  
**QUALIFICATIONS OF PERSONNEL**

# **Advantage Environmental Consultants, LLC**

ENVIRONMENTAL DUE DILIGENCE SPECIALISTS

## **Lauren M. Fabian Project Manager**

### **EDUCATION**

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B.S. Environmental Science, University of Maryland Baltimore County, May 2009  
Study Abroad: Loughborough University in Loughborough, England, 2008

### **PROFESSIONAL REGISTRATIONS, LICENSES, AND CERTIFICATIONS**

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EPA-Accredited AHERA Asbestos Inspector – DC, MD, WV

### **PROFESSIONAL SUMMARY**

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Ms. Fabian has been with Advantage Environmental Consultants, LLC (AEC) since May 2014. She is a project manager responsible for conducting environmental site inspections, Hazardous Materials Surveys, and preparing Phase I Environmental Site Assessments (ESAs). Prior to her employment with AEC, Ms. Fabian was an Environmental Health and Safety Associate/Project Manager with Medical Science Affiliates from October 2010 to May 2014.

### **PROFESSIONAL EXPERIENCE**

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#### ***Asbestos Building Surveys and Lead-Based Paint Inspections***

Certified/Licensed AHERA Asbestos Inspector for Maryland, West Virginia, and the District of Columbia. Experience conducting, preparing, and assisting with Asbestos Building Surveys, Lead Inspections, and associated reports for facilities located in Maryland, West Virginia, and the District of Columbia.

#### ***Phase I ESAs***

Experience conducting environmental site inspections, accruing and interpreting historical and regulatory documents and records, and compiling the information into comprehensive Phase I ESA reports. Reports were typically generated for various commercial lending institutions, insurance companies, REITS, property managers, and real estate developers.



***Phase II Subsurface Investigations***

Experience performing subsurface investigations throughout Maryland and District of Columbia on privately owned sites using a hand auger, geoprobe, and hollow-stem auguring.

***Biological Monitoring/Studies***

Experience conducting and reporting biological monitoring and studies of wildlife in Maryland and Virginia.



# **Advantage Environmental Consultants, LLC**

ENVIRONMENTAL DUE DILIGENCE SPECIALISTS

## **Jeffery Stein, P.G. Principal**

### **EDUCATION**

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B.S. Geosciences, Virginia Tech, 1987

### **PROFESSIONAL REGISTRATIONS, LICENSES, AND CERTIFICATIONS**

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- Professional Geologist, Commonwealth of Virginia and North Carolina
- 40-Hour OSHA Hazardous Waste Site Worker Training

### **PROFESSIONAL SUMMARY**

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Mr. Stein has over 31 years of experience in the field of facility and remedial investigations. This experience includes: preparing remedial investigation/feasibility studies (RI/FS) for assessment and remediation of contaminated media at CERCLIS, RCRA, LUST and voluntary cleanup sites; preparation, evaluation and performance of treatability studies of remedial technologies; preparation of detailed design plans, equipment specifications, and construction drawings for remedial actions; preparation of Corrective Action Plans for LUST sites including evaluation of soil and groundwater remediation options; obtaining permits for discharge of treated groundwater, discharge of air contaminants, and construction; and installation, operation, optimization and maintenance of treatment systems.

### **PROFESSIONAL EXPERIENCE**

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Litigation Support – Provided various support services to law firm and company general council clients including: Ober Kaler; DLA Piper US LLP: Patton Boggs; Lerch Early & Brewer; Gordon, Feinblatt, Rothman, Hoffberger & Hollander, LLC, among others. These services ranged from CERCLIS potentially responsible party investigation support to expert witness testimony for metals, chlorinated solvent and petroleum contamination issues for both plaintiffs and defendants.

Phase I Environmental Site Assessments (ESAs) – Experience preparing Phase I ESAs for commercial lending institutions and real estate developers. Site assessments involve review of regulatory records, historical source analysis, and environmental field reconnaissance. Findings are compiled and evaluated in the Phase I ESA reports.

CERCLA Feasibility Studies, Wallops Flight Facility, Wallops Island, VA - Developed remedial alternatives for clean-up of PCB impacted soil associated with an electrical transformer storage area, and chlorinated solvent impacted groundwater associated with a former fire training area. Work was performed under the direction of the National Aeronautics and Space Administration (NASA).

CERCLA Remedial Investigation/Feasibility Study, Michaelsville Landfill, Aberdeen Proving Ground, MD - Developed remedial alternatives for clean-up of heavy metal chlorinated hydrocarbon impacted groundwater associated with a closed landfill. Work was performed under the direction of the Hazardous Waste Remedial Action Program (HAZWRAP).

Potentially responsible party support, Proposed National Priorities List Site, 68th Street Dump/Industrial Enterprises, Baltimore, MD – Developed position papers and technical analysis for litigation support for client's possible involvement in CERCLA proceedings.

Baltimore Marine Industries (Former Bethlehem Steel Sparrows Point Shipyard) environmental compliance and hazardous waste management coordinator. Provided compliance direction and auditing services for operating shipyard. Managed special and hazardous waste compliance and reporting operations.

Subsurface Investigation, Remedial Design and Implementation at Bulk Storage Terminal, Fredericksburg, VA - Supervised a hydrogeologic assessment and emergency remedial response under the direction of the EPA for an extensive Liquid Phase Hydrocarbon (LPH) plume. Emergency response activities included design and construction of an underflow dam, extensive stormwater piping network, and realignment and lining of 1000 feet of stream bed. Performed pilot studies including groundwater pumping tests, air sparging and soil vapor extraction studies. Used data to design and build three independent total fluids and vapor extraction systems.

Subsurface Investigation and Existing Remediation System Evaluation at bulk Storage Terminal in Fairfax, VA, Project Manager - Participated in a study of the effectiveness of a large-scale interceptor trench in response to a request from state and federal regulatory authorities following a perceived liquid-phase hydrocarbon underflow of a trench section. Performed analysis and review of trench operating parameters and local hydrogeology to determine that the trench was operating effectively.

Environmental Assessment for Voluntary Cleanup (VCP) Program, Columbia, MD, Project Manager - Served as Project Manager for the assessment and evaluation of environmental liability as part of property transaction of a 10-acre industrial property in Columbia, Maryland. The site was impacted with chlorinated solvents.

Remedial Action Implementation, Griffiss Air Force Base, NY - Designed and implemented a large-scale ex-situ soil land farm project for the treatment of approximately 3000 cubic yards of petroleum hydrocarbon contaminated soil. The project used enhanced aeration and biostimulation (nutrient addition) techniques to reach remedial end points. Work was performed under the direction of the Air Force Center for Environmental Excellence (AFCEE).

District of Columbia Voluntary Remediation Action Program (VRAP) Subsurface Investigation, Corrective Action Design and Implementation at multiple Building Development Sites in Washington, DC, Project Manager - Managed subsurface assessments, developed remediation plans and construction specifications for petroleum, solvent and metals contaminated soil and groundwater issues for various developers.

Operation, Maintenance and Monitoring of 75 Petroleum Retail Facilities, Mid-Atlantic Region, Project Director: Supervised project manager, remediation specialist and technicians in all aspects of program for major oil company client.

Subsurface Investigation, Remedial Design and Implementation at Leaking UST Site, Warrenton, VA, Project Manager - Supervised a hydrogeologic investigation, remedial system design and implementation for an extensive LPH plume. Performed Hydrogeologic testing in fractured saprolite material. Analyzed and modeled hydrogeologic data for the design of a large-scale soil vapor extraction and electric total fluids extraction system. Design included an independent pneumatic system to recover LPH accumulations in the elevator shaft of a building. Managed construction and subsequent operation and maintenance of the recovery system.

Emergency Response for Overfill of Bulk Storage Tank at Bulk Storage Terminal, Newington, VA, Project Manager - Supervised a first response team following a 60,000 gallon fuel spill due to a pipeline overfill of a 300,000 gallon aboveground storage tank. Coordinated with state and county regulatory officials during cleanup activities.

Remedial Design at Bulk Storage Terminal, Oceana Naval Air Station in Virginia Beach, VA, Project Manager - Managed the developed of a corrective action plan for an extensive liquid-phase hydrocarbon plume. Conducted groundwater pumping tests, soil vapor extraction pilot studies, and dual vacuum extraction pilot studies to develop a conceptual design and preliminary specifications for a full-scale remediation system. Work was performed under the direction of the Naval Facilities Engineering Command (NAVFAC).

Remedial Designs for Two Ranger Stations, Cape Cod, MA, Project Manager - Managed the design and preparation of contract specifications for the remediation of heating oil spills at Nauset Ranger Station and the Rockwell House on Cape Cod. The designs included a bioventing system and a hydrogen peroxide injection system. Work was performed under the direction of The National Park Service.

Remedial Design and Implementation for Elementary and Middle Schools, Providence, RI, Project Manager - Managed the design and implementation of a sub-slab soil ventilation system for two new public schools built on a closed landfill. The design integrated the two sub-slab systems into a central treatment compound where the off-gas was treated with granular activated carbon.

Subsurface Investigation and Existing Remediation System Evaluation at Bulk Storage Terminal, Naval Air Station-Sigonella, Sicily, Italy, Project Manager - Supervised the installation and yield testing of groundwater extraction wells. Evaluated performance of existing total fluids extraction and treatment system in conjunction with a local engineering company. Developed a scope of work and negotiated a contract with the local company for operation and maintenance of the system. Work was performed under the direction of the NAVFAC.

Groundwater Treatment System Operation, Navy Yard, Washington, DC, Project Manager - Served as project manager for the treatment of lead and petroleum contaminated groundwater during construction dewatering activities. Work was performed for Turner Construction in association with the U.S. Navy.

Environmental Assessment for Voluntary Clean Up Program, Baltimore, MD, Project Manager - Served as Project Manager for the assessment and evaluation of environmental liability as part of foreclosure proceedings of a 167 acre industrial property in Baltimore, Maryland. The site was impacted with arsenic, lead, petroleum, and chlorinated solvents. Mr. Stein evaluated and recommended application through Maryland's voluntary cleanup program. Due to numerous issues, three separate applications were submitted and successfully negotiated to closure.

Remedial Action Implementation, BOMARC Missile Facility, Mcquire Air Force Base, NJ - Managed remedial construction activities associated with the flushing and decontamination of hydraulically operated missile launcher equipment at 71 launch shelters. Work was performed under the direction of AFCEE.

Underground Storage Tank Removal Project, Griffiss Air Force Base, NY - Managed field effort for remedial construction activities associated with the removal and closure of multiple Underground Storage Tank sites. Work was performed under the direction of AFCEE.

Water Supply Study at Mobile Oil Company Headquarters in Fairfax, VA - Managed hydrogeologic investigation of high-yield water wells used for irrigation system. Study consisted of performing and analyzing step-drawdown and constant rate pumping tests for well efficiency and well interference determinations

Reservoir Siting Project, New Castle County, DE, Chief Geologist: Designed and supervised geotechnical investigation of potential 1.6-billion-gallon water supply reservoir. Work included extensive geologic field mapping, seismic refraction surveys, subsurface boring investigations and hydrologic analysis.

## **Appendix J**

### **Public Involvement Plan**

The Public Involvement Plan will be developed as necessary at a future date in coordination with the VCP staff.