April 28, 2015

Judith A. Enck
Regional Administrator
USEPA Region 2
Environmental Protection Agency
290 Broadway
New York, NY 10007-1866

RE: Self-Implementing Onsite Cleanup of PCB Remediation Waste (Revision 1)
Former Canine Kennel Site
Gabreski Airport
Westhampton Beach, New York
NYSBCP Site IDL C152079
NYSIHWDS Site ID: 152079

Dear Ms. Enck,

The following provides notification to the United States Environmental Protection Agency (USEPA) for the planned cleanup of soils impacted by polychlorinated Biphenyls (PCBs) as required by 40CFR Part 761.61. The Site is located in the County of Suffolk and hamlet of Westhampton Beach, New York and is identified as a portion of District 0900, Section 312.00, Block 01.00 and Lot 004.002 on the Suffolk County Tax Map. A United States Geological Survey (USGS) topographical quadrangle map **Figure 1** shows the Site location.

The proposed future land use is to remain undeveloped. The remedy for this site includes the excavation of soils from the site in excess of a site specific SCO of 10 ppm for total PCBs and installation of a cap of clean fill material over soils at the site with total PCB concentrations in excess of 1 ppm.

Site Description

The Site is situated on approximately one-acre area wooded parcel within the core preservation area of the central Pine Barrens. The subject site is bounded by wooded land (Pine Barrens) to the north, east and south, and a boat storage yard to the west (see **Figure 2**).

The site is located on the eastern edge of the Francis S. Gabreski Airport. The site adjacent to and west of the site is occupied by a boat storage facility, further west are the runways and the support buildings for the airport. Immediately north and south of the site are undeveloped areas of the airport site. The Quogue Wildlife Refuge is located to the east of the site.

The nearest residential properties are located approximately 0.5 miles to the east and south of the site. These residential areas have municipal water service provided by the Suffolk County Water Authority.

Site History

In 1943, the federal government built the airport for use as an Air Force base during World War II. After the war, it was given to Suffolk County. In 1951, the airport was reclaimed for the Korean War National

Emergency. In 1960, the US Air Force leased the site for an Air Defense Command Base, which was deactivated in 1969, then released back to Suffolk County in 1970. Suffolk County currently owns the subject property.

During deactivation activities (spring 1970), the Suffolk County Air Force Base used the Canine Kennel Area to bury inert wastes, such as office furniture. The site was also used for the disposal of polychlorinated biphenyl (PCB) containing electrical distribution equipment such as transformers and capacitors.

Previous Investigations

In March 1984, the New York State Department of Environmental Conservation (NYSDEC) investigated the site in response to a complaint from a local citizen's group. At that time, the NYSDEC observed several half-buried capacitors leaking PCB oil within a ten-foot deep pit. In May 1984, nine soil samples were collected for laboratory analysis. Eight contained the PCB Aroclor-1254 in concentrations up to 1,700 parts per million (ppm).

In November 1996, Dvirka and Bartilucci Consulting Engineers (D & B) performed a preliminary site assessment. D & B determined regional groundwater flow direction to be towards the southeast, and installed and sampled one up-gradient (GP-1) and five down-gradient (GP-2 through GP-6) GeoprobeTM monitoring wells. Groundwater was encountered between 9 and 12 feet below grade. Two groundwater samples were obtained from each GeoprobeTM location, one at the water table interface and one at 15 feet below the water table. PCBs were below detection limits in each of the 12 samples analyzed. Traces of the pesticides 4,4'-DDD and 4,4'-DDT were detected in the up-gradient well only. Based upon the groundwater results, D & B prepared a Preliminary Site Assessment (PSA) report (1998) that stated that PCBs previously detected in surface soils were not impacting local groundwater quality. The NYSDEC has also concluded that PCBs have not impacted local groundwater.

In July 2000, the NYSDEC performed additional soil sampling. Thirteen soil samples were collected at six locations at two depths (surface (0-4 inches) and subsurface (2 feet-4 feet) below grade) and one soil sample was removed from the end of a capacitor located at the site. The highest soil concentration found was 280,000 ppm adjacent to a capacitor. There was a "hot spot" identified near soil samples #1, 2 and 5, where the levels ranged from 1,900 ppm to 150,000 ppm at the surface and 120 ppm to 20,000 ppm at 2.5 feet to 3.5 feet below grade. Soil #3 and #4 contained PCBs levels of 3.9 ppm and 17 ppm at the surface, and less than 10 ppm at a depth of 2.5 feet. Concentrations of PCBs at soil sample #6 were less than 1.0 ppm. These samples were obtained from the same area previously sampled in May 1984.

In November 2008, PWGC performed a Remedial Investigation (RI) at the former Canine Kennel site. The investigation consisted of a geophysical survey, soil and groundwater sampling, test pit excavations and the removal of identified capacitors suspected to contain PCBs.

Geophysical and test pit investigations confirmed that the area of disposal was limited to the western/central portion of the site adjacent to the fence line and boatyard.

The PCB Aroclor-1254 was detected in soil samples ranging in depth from 0-2 inches below ground surface (bgs) to approximately 8.5 feet bgs. Fifty-nine soil samples had concentrations of Aroclor-1254 above the NYSDEC Residential Use Soil Cleanup Objective (RUSCO) of 1.0 ppm ranging from 1.1 to 86,000 ppm (directly underneath one of the removed capacitors). Surface soil samples showed the largest area of impact (across

the western and central areas of the site). PCBs were also detected at concentrations greater than the RUSCO in surface soils within the unpaved eastern portion of the adjacent boatyard. Spread of PCBs within surface soils at the site was determined to likely be a result of physical processes, including localized surface runoff of PCB-contaminated soils from the on-site disposal area westward following the surface topography.

PCBs in the 2.0-2.5 feet depth samples were limited to the western central area of the site and coincide with the main area of existing debris and the former capacitor locations. Three isolated areas of impact at depths of 4.0 feet bgs or greater were also identified, two of which coincided with the main area of debris and the former capacitor locations. A third area was identified northeast of the capacitor locations. No pesticides were detected at concentrations exceeding Residential Use SCOs in soil samples collected at the site.

Based on the findings of the RI completed in November 2008, PWGC recommended that an Interim Remedial Measure (IRM) be implemented at the site to remove PCB impacted soils from the unpaved portion of the boatyard and former capacitor areas.

PWGC implemented the IRM at the site from August 2012 through April 2013. A summary of work performed as part of the IRM is detailed below:

- PWGC performed delineation soil sampling to determine the necessary excavation boundaries within the boatyard. Following delineation, soils were removed from the excavation area to a depth of six inches bgs. Based on endpoint sampling, additional soils were removed (to depths of 12 to 18 inches bgs) at several locations. Following additional soil removal, PCB concentrations in endpoint samples from the boatyard were below the NYSDEC RUSCO of 1.0 ppm.
- Soils were removed to a depth of one foot bgs in the vicinity of former capacitor locations CA-1, CA-2 and CA-3. Following soil removal, PCB concentrations in endpoint samples were below the site specific SCO of 1,000 ppm (established in the IRM Work Plan). Endpoint samples collected from capacitor locations CA-2 and CA-3 were below the NYSDEC RUSCO of 1.0 ppm for PCBs, while the endpoint sample from capacitor location CA-1 only slightly exceeded the NYSDEC RUSCO (1.2 ppm).
- IRM excavation activities within the boatyard and capacitor locations generated a total of 227.23 tons of PCB contaminated soils. Excavated soils were transported by a licensed waste hauler, and disposed of at CWM Chemical Services LLC in Model City, New York (USEPA ID: NYD049836679).
- Upon completion of soil removal activities, excavation areas were backfilled with NYSDEC approved backfill material and capped with recycled concrete aggregate (RCA). Additionally, a one foot high earthen berm constructed of NYSDEC approved backfill material and capped with RCA was installed at the eastern boundary of the boatyard to minimize overland runoff of storm water from the former Canine Kennel site into the boatyard.

Sample locations and results for surface soil are presented as **Figure 3**. Sample locations and analytical results are presented **as Figures 4a and 4b**. Analytical summary tables are presented as **Tables 1 through 10**.

Conceptual Model of Site Contamination

On-Site contamination has been identified to consist of PCB impacted soil resulting from the disposal of PCB-containing equipment. Impact is limited to the soil as PCBs were not detected in the groundwater at the site.

Off-Site PCB soil contamination was detected on the adjacent boatyard, which is Suffolk County land leased to the boatyard. Off-Site contamination was limited to the eastern portion of the boatyard adjacent to the disposal area. Off-site contamination was addressed by the August 2012 IRM for the site.

Remedial Action Objectives

Surface Soil

Contaminants of concern detected in the surface soil consist of PCBs. The remedial action objectives (RAOs) for this medium are to prevent exposure of human and environmental receptors to these contaminants via dermal contact, incidental ingestion, and inhalation of particulates, and to prevent the discharge of contaminated storm water runoff and eroded surface soil to off-site locations.

Subsurface Soil

Contaminants of concern detected in the subsurface soil consist of PCBs. The RAOs for this medium are to prevent the exposure of humans and environmental receptors to contaminated subsurface soil via dermal contact, and incidental ingestion or inhalation of particulates and to mitigate contaminant migration into groundwater.

Proposed Cleanup

The proposed remedy includes the excavation of soils from the site in excess of a site specific soil cleanup objective (SCO) of 10 ppm for total PCBs and installation of a cap of clean fill material over soils at the site with total PCB concentrations in excess of 1 ppm.

Based on previous investigations, PCB impact is present within near surface soils at the site. Soils impacted with PCBs above the site specific SCO for total PCBs of 10 ppm will be excavated and removed from the site. The area to be excavated for off-site disposal is estimated to be approximately 4,720 square feet, and up to 4.5 feet deep (total volume of approximately 7,470 cubic feet or 277 cubic yards). The proposed excavation area and depths are illustrated in **Figure 5**.

Suffolk County Department of Health Services proposes to remediate PCBs consistent with federal and state disposal requirements. Soils containing total PCBs over 10 ppm will be excavated and disposed off-site at a certified facility under manifest in accordance with the NYSDEC approved remedy. Based on the findings of the extensive PCB sampling that was conducted at the site, three categories of PCB material exist. These categories and proposed remedies are as follows:

- Excavated soil containing PCBs over 50 ppm: There were 18 former sample locations that were identified with this level of PCB contamination. This is considered TSCA wastes and will be excavated and disposed at a TSCA regulated/approved facility under proper manifest in accordance with the NYSDEC approved RWP. In order to document the effectiveness of the cleanup, PWGC proposes to collect post-excavation soil samples will in a 10 foot by ten foot grid within these areas. Proposed sample locations are presented on **Figure 6**.
- Excavated Soil containing PCBs less than 50 ppm: There were 5 sample locations that were identified with this level of PCB contamination. These soils will be excavated and disposed at a certified facility as a non-TSCA waste. In order to document the effectiveness of the cleanup, post-excavation soil samples will be collected in accordance with the NYSDEC approved RWP. In order to document the effectiveness of the cleanup, post-excavation soil samples will be collected in a 10 foot by ten foot grid within these areas. Proposed sample locations are presented on **Figure 6**.

- Soils containing PCBs less than 10 ppm: These soils will be capped with clean fill material in accordance with the NYSDEC approved RWP. The cap will consist of a minimum of 12 inches of clean fill material. Clean fill, as defined by 6NYCRR Part 360, may be brought in from off-site to backfill the excavations and will be in compliance with section 5.4(e) of the Division of Environmental Remediation's *Draft DER-10 – Technical Guidance for Site Investigation and Remediation* (December 2002). The NYSDEC will be consulted, and must approve in advance, the return of excavated soil and the use of off-site fill.

Soil Excavation Activities

Soils will be excavated from the proposed excavation area utilizing an excavator. If necessary, soils will be screened during excavation and stockpiled on the eastern portion of the site. Soils will be screened utilizing a photoionization detector (PID) capable of detecting the presence of VOCs. Soils exhibiting significantly elevated PID responses or odors may be segregated and stockpiled from other soils being excavated. In the event that excavated soils will be stockpiled on site prior to disposal, stockpiles will be confined to a designated area (to be determined). The preferred method for storing soils on site will be in roll-off containers, covered with polyethylene sheeting. Should it be necessary to stockpile soils on the ground, the stockpile area will be lined with 20-mil polyethylene sheeting and surrounded by a silt fence. Stockpiled material will be covered with 20-mil polyethylene sheeting and secured until it is removed from the site. Impacted soils will be removed from around trees within the planned excavation areas; however, trees will be left in place. Shrubs and underbrush within the excavation area will be cleared and left onsite. Upon the completion of impacted soil removal, excavation areas will be backfilled to grade with clean fill material.

The final limit of the excavation will be determined in the field based upon confirmatory endpoint soil sample analytical results. The proposed excavation area and depths are illustrated in **Figure 5**.

Post Excavation Sampling

Following removal of impacted soils from the site confirmatory endpoint soil samples will be collected from the excavation area to confirm the effectiveness of remedial activities. Endpoint soil samples will be collected in accordance with NYSDEC DER-10. Results will be compared to the site specific SCO of 10 ppm for total PCBs.

As specified in NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation and EPA 40CFR 761 Subpart O, verification sampling will consist of collecting endpoint soil samples from within each excavation area. Based on the anticipated excavation areas (see **Figure 6**), proposed endpoint samples will be collected in a modified grid (10 feet by 10 feet). It is estimated that a total of at least 64 endpoint samples will be collected to be determined based upon final excavation dimensions and depths. If endpoint sample results report concentrations above 10 ppm, the soil will continue to be excavated and properly disposed until compliant endpoint sample concentrations are documented.

Soil Disposal

The material removed containing PCBs greater than 50 ppm will be shipped to a TSCA regulated/approved facility under proper manifest. Soils containing PCBs at concentrations less than 50 ppm will be excavated and disposed of at a facility as a non-TSCA waste. Bills of lading and waste manifests will be provided as an appendix in the Final Engineering Report (FER) which will detail remedial activities conducted at the site.

Cleanup Schedule

A cleanup schedule is provided as **Attachment A**. Work to be completed is contingent upon continued availability of funding.

Document Review

The following documents are available for review:

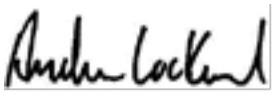
- P.W. Grosser Consulting, Inc., Former Canine Kennel Site Remedial Investigation Work Plan, July 2007
- P.W. Grosser Consulting, Inc., Former Canine Kennel Site Remedial Report, November 2008
- P.W. Grosser Consulting, Inc., Former Canine Kennel Site Interim Remedial Measure Work Plan, March 2012
- P.W. Grosser Consulting, Inc., Former Canine Kennel Site Interim Remedial Measure Addendum, May, 18, 2012
- P.W. Grosser Consulting, Inc., Former Canine Kennel Site Interim Remedial Measure Report, June 2012

Attached to this letter is a written certification acknowledging that all sampling plans, sample results and analytical methods will be available for EPA inspection. The certification is signed by a representative of the Suffolk County Department of Health Services.

Please contact me at 631-589-6353 if you would like access to these additional reports, have any questions or require additional information. Thank you in advance for your immediate attention to this matter.

Sincerely Yours,
P.W. Grosser Consulting

Jessica Ferngren
Senior Project Manager



Andrew Lockwood, LEP
Vice President

CERTIFICATION

The undersigned hereby certify that all documents pertaining to sampling plans, sample collection procedures, sample preparation procedures, extraction procedures , and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the site known as Canine Kennel located in the County of Suffolk, and hamlet of Westhampton Beach, New York and identified as a portion of District 0900, Section 312.00, Block 01.00 and Lot 004.002 on the Suffolk County Tax Map are on file at Suffolk County Department of Health Services Office of Pollution Control with an office located at 15 Horseblock Place, Farmingville, New York.

These files are available for review by contacting James Meyers at that office during regular business hours at (631) 854-2501 or via email at James.Meyers@suffolkcountyny.gov.

COUNTY OF SUFFOLK
(OWNER)

By: Dennis M. Cohen
Chief Deputy County Executive

7/22/15
Date

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
(PARTY CONDUCTING THE CLEAN UP)

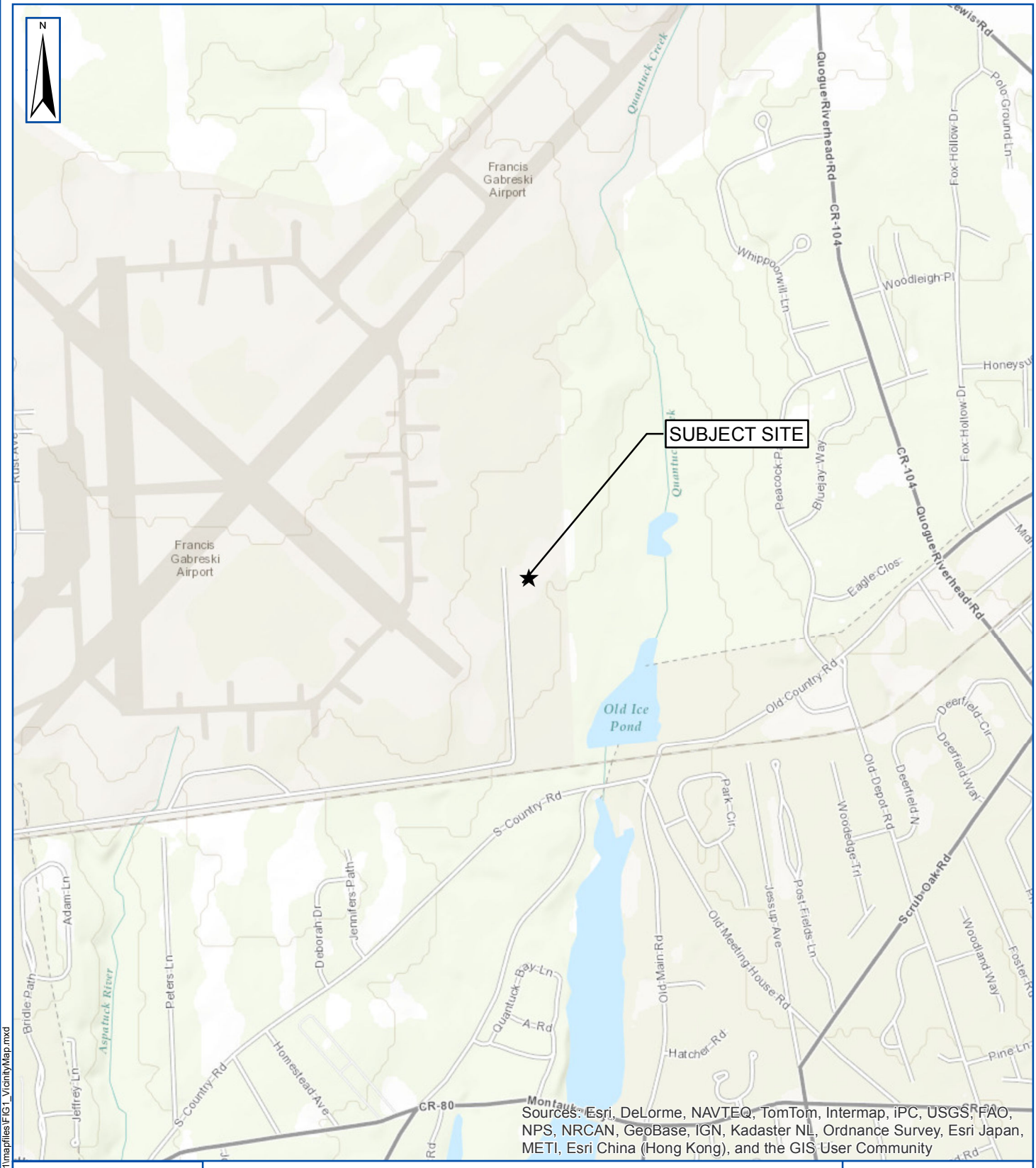
By:

Name: James W. Meyers

Title: Principal Public Health Engineer

Date: 7/6/15

FIGURES



SITE LOCATION MAP

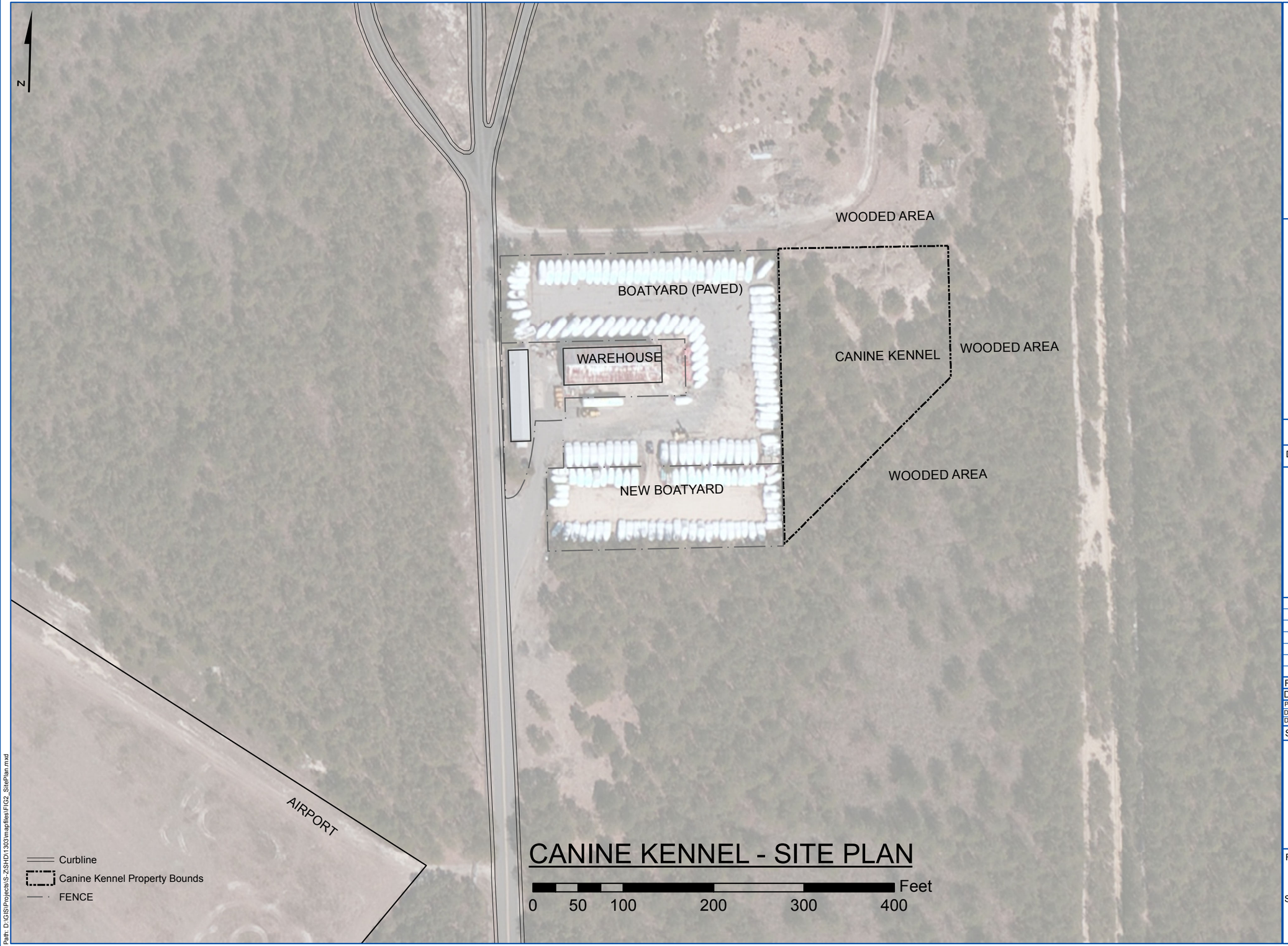
FORMER CANINE KENNEL - GABRESKI AIRPORT
WEST HAMPTON BEACH, NEW YORK

Miles
0 ¼ ½ ¾ 1

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	SHD1201
Date:	2/15/2013
Designed by:	BB
Drawn by:	BB
Approved by:	KR
Figure No:	1

Document Path: D:\GIS\Projects\S-Z\SHD1201\mapfiles\FIG1_VicinityMap.mxd



Path: D:\GIS\Projects\S-Z\SHD\1303\mapfiles\FIG2_SitePlan.mxd

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DRAWINGS PREPARED FOR:

SUFFOLK COUNTY
DEPT. OF HEALTH SERVICES
OFFICE OF POLLUTION CONTROL
15 HORSEBLOCK PLACE
FARMINGVILLE, NEW YORK 11738

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

PROJECT:	SHD1303	APPROVED BY:	AL
DESIGNED BY:	BB	DATE:	11/21/2012
DRAWN BY:	BB	SCALE:	AS SHOWN

SHEET TITLE:

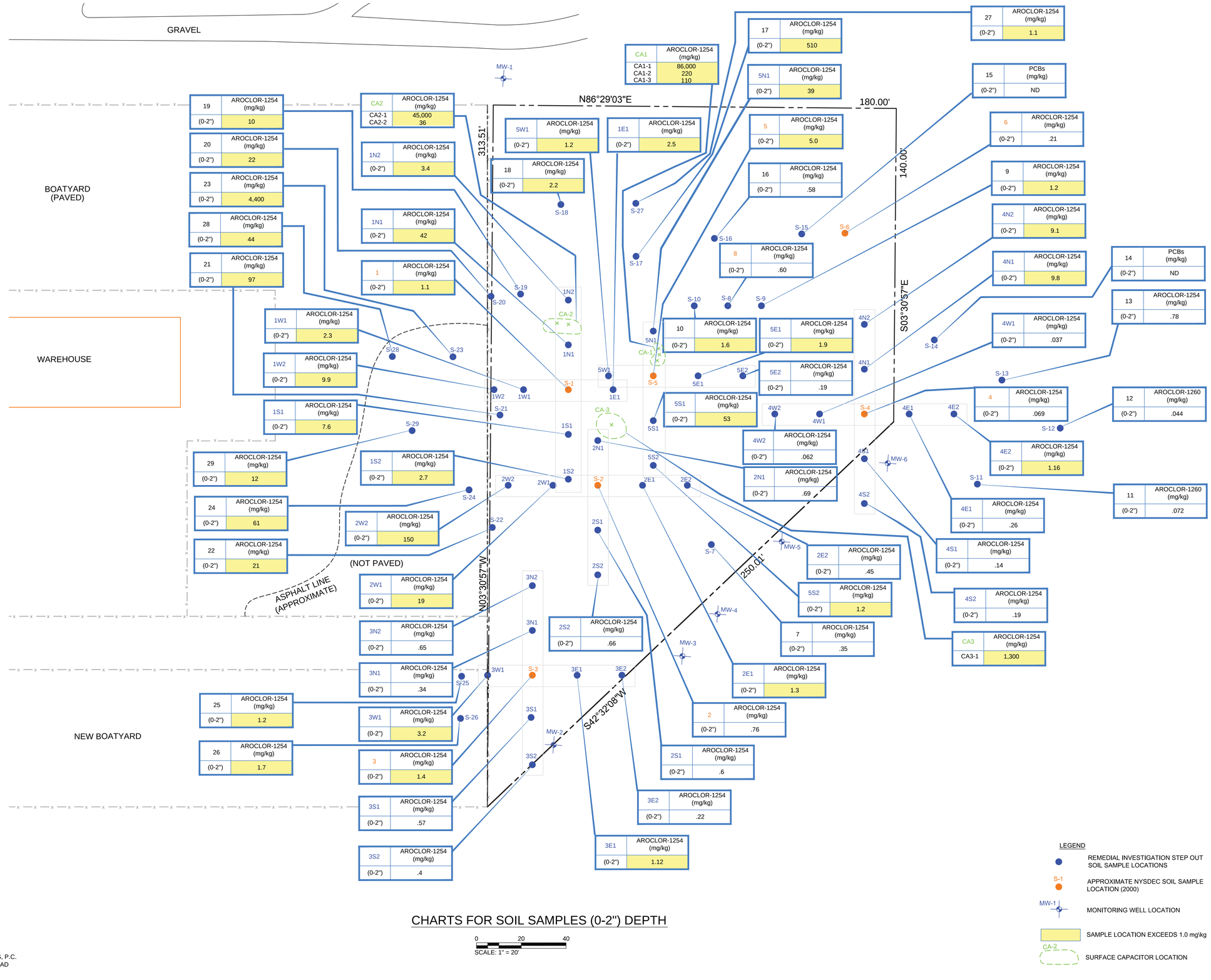
FORMER CANINE KENNEL
GABRESKI AIRPORT
WEST HAMPTON, NEW YORK

SITE PLAN

FIGURE NO:

2

SHEET:



CA1	AROCLOR-1254 (mg/kg)
CA1-1 CA1-2 CA1-3	86,000 220 110

CA2	AROCLOR-1254 (mg/kg)
CA2-1 CA2-2	45,000 36

1N2	AROCLOR-1254 (mg/kg)
(0-2")	3.4

1N1	AROCLOR-1254 (mg/kg)
(0-2")	42

1	AROCLOR-1254 (mg/kg)
(0-2")	1.1

5W1	AROCLOR-1254 (mg/kg)
(0-2")	1.2

1E1	AROCLOR-1254 (mg/kg)
(0-2")	2.5

18	AROCLOR-1254 (mg/kg)
(0-2")	2.2

19	AROCLOR-1254 (mg/kg)
(0-2")	10

20	AROCLOR-1254 (mg/kg)
(0-2")	22

23	AROCLOR-1254 (mg/kg)
(0-2")	4,400

28	AROCLOR-1254 (mg/kg)
(0-2")	44

21	AROCLOR-1254 (mg/kg)
(0-2")	97

1W1	AROCLOR-1254 (mg/kg)
(0-2")	2.3

1W2	AROCLOR-1254 (mg/kg)
(0-2")	9.9

1S1	AROCLOR-1254 (mg/kg)
(0-2")	7.6

29	AROCLOR-1254 (mg/kg)
(0-2")	12

1S2	AROCLOR-1254 (mg/kg)
(0-2")	2.7

24	AROCLOR-1254 (mg/kg)
(0-2")	61

2W2	AROCLOR-1254 (mg/kg)
(0-2")	150

22	AROCLOR-1254 (mg/kg)
(0-2")	21

2W1	AROCLOR-1254 (mg/kg)
(0-2")	19

3N2	AROCLOR-1254 (mg/kg)
(0-2")	.65

2S2	AROCLOR-1254 (mg/kg)
(0-2")	.66

3N1	AROCLOR-1254 (mg/kg)
(0-2")	.34

25	AROCLOR-1254 (mg/kg)
(0-2")	1.2

3W1	AROCLOR-1254 (mg/kg)
(0-2")	3.2

26	AROCLOR-1254 (mg/kg)
(0-2")	1.7

3	AROCLOR-1254 (mg/kg)
(0-2")	1.4

3S1	AROCLOR-1254 (mg/kg)
(0-2")	.57

3S2	AROCLOR-1254 (mg/kg)
(0-2")	.4

17	AROCLOR-1254 (mg/kg)
(0-2")	510

5N1	AROCLOR-1254 (mg/kg)
(0-2")	39

5	AROCLOR-1254 (mg/kg)
(0-2")	5.0

16	AROCLOR-1254 (mg/kg)
(0-2")	.58

8	AROCLOR-1254 (mg/kg)
(0-2")	.60

10	AROCLOR-1254 (mg/kg)
(0-2")	1.6

5E1	AROCLOR-1254 (mg/kg)
(0-2")	1.9

5E2	AROCLOR-1254 (mg/kg)
(0-2")	.19

5S1	AROCLOR-1254 (mg/kg)
(0-2")	53

4W2	AROCLOR-1254 (mg/kg)
(0-2")	.062

2N1	AROCLOR-1254 (mg/kg)
(0-2")	.69

2E2	AROCLOR-1254 (mg/kg)
(0-2")	.45

5S2	AROCLOR-1254 (mg/kg)
(0-2")	1.2

7	AROCLOR-1254 (mg/kg)
(0-2")	.35

2E1	AROCLOR-1254 (mg/kg)
(0-2")	1.3

2	AROCLOR-1254 (mg/kg)
(0-2")	.76

2S1	AROCLOR-1254 (mg/kg)
(0-2")	.6

3E2	AROCLOR-1254 (mg/kg)
(0-2")	.22

3E1	AROCLOR-1254 (mg/kg)
(0-2")	1.12

27	AROCLOR-1254 (mg/kg)
(0-2")	1.1

15	PCBs (mg/kg)
(0-2")	ND

6	AROCLOR-1254 (mg/kg)
(0-2")	.21

9	AROCLOR-1254 (mg/kg)
(0-2")	1.2

4N2	AROCLOR-1254 (mg/kg)
(0-2")	9.1

4N1	AROCLOR-1254 (mg/kg)
(0-2")	9.8

14	PCBs (mg/kg)
(0-2")	ND

13	AROCLOR-1254 (mg/kg)
(0-2")	.78

4W1	AROCLOR-1254 (mg/kg)
(0-2")	.037

4	AROCLOR-1254 (mg/kg)
(0-2")	.069

12	AROCLOR-1260 (mg/kg)
(0-2")	.044

4E2	AROCLOR-1254 (mg/kg)
(0-2")	1.16

11	AROCLOR-1260 (mg/kg)
(0-2")	.072

4E1	AROCLOR-1254 (mg/kg)
(0-2")	.26

4S1	AROCLOR-1254 (mg/kg)
(0-2")	.14

4S2	AROCLOR-1254 (mg/kg)
(0-2")	.19

CA3	AROCLOR-1254 (mg/kg)
CA3-1	1,300

CHARTS FOR SOIL SAMPLES (0-2") DEPTH

0 20 40

SCALE: 1" = 20'

LEGEND

- REMEDIAL INVESTIGATION STEP OUT SOIL SAMPLE LOCATIONS
- S-1 APPROXIMATE NYSDEC SOIL SAMPLE LOCATION (2000)
- MW-1 MONITORING WELL LOCATION
- SAMPLE LOCATION EXCEEDS 1.0 mg\kg
- CA-2 SURFACE CAPACITOR LOCATION

BASE MAP PROVIDED BY:
L.K. McLEAN ASSOCIATES, P.C.
437 SOUTH COUNTRY ROAD
BROOKHAVEN, NY 11719
DATED: JULY 18, 2008

J:\Projects A-D\DPW-pc project\0701-CANINE KENNEL\CANINE KENNEL\CADD\RI Report CAD\sampling Results 0-2 Depth.dwg

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CONSULTANTS

DRAWINGS PREPARED FOR

REVISIONS	DATE	INITIAL	COMMENTS

DRAWING INFORMATION

PROJECT: DPW0701	APPROVED BY: PWG
DESIGNED BY: AL	DATE: 8/5/08
DRAWN BY: LLG	SCALE: AS SHOWN

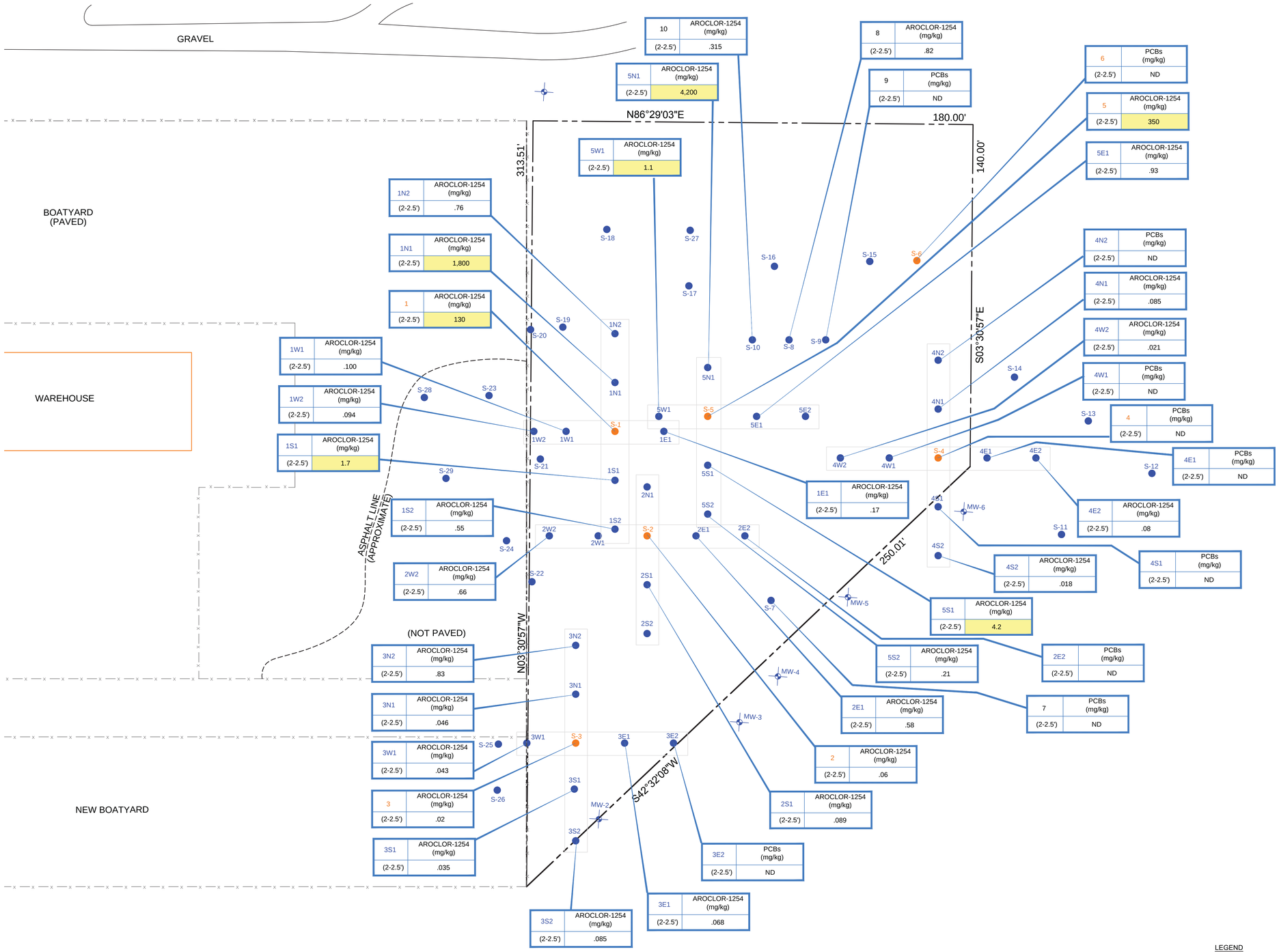
SHEET TITLE

SOIL SAMPLING RESULTS 0-2" DEPTH FORMER CANINE KENNEL SITE

GABRESKI AIRPORT
WESTHAMPTON, NY

FIGURE NO
3

SHEET
OF



CHARTS FOR SOIL SAMPLES (2-2.5') DEPTH

0 20 40
SCALE: 1" = 20'

BASE MAP PROVIDED BY:
L.K. McLEAN ASSOCIATES, P.C.
437 SOUTH COUNTRY ROAD
BROOKHAVEN, NY 11719
DATED: JULY 18, 2008

J:\Projects A-D\DPW-pc project\0701-CANINE KENNEL\CANINE KENNEL\CAD\DIRI Report CAD\sampling Results 2-2.5 Depth.dwg

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CONSULTANTS

DRAWINGS PREPARED FOR

REVISIONS	DATE	INITIAL	COMMENTS

DRAWING INFORMATION

PROJECT: DPW0701	APPROVED BY: PWG
DESIGNED BY: AL	DATE: 8/7/08
DRAWN BY: LLG	SCALE: AS SHOWN

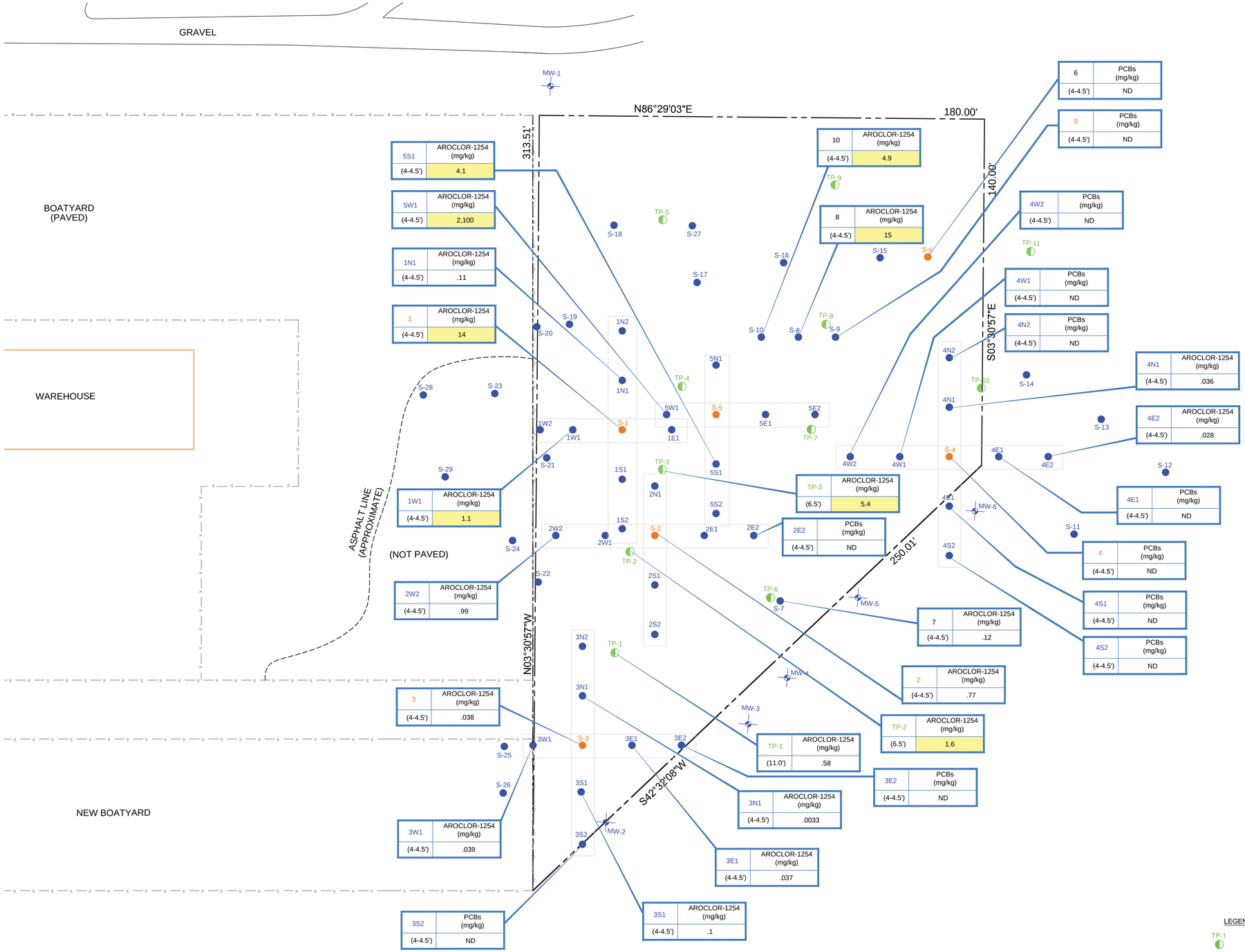
SHEET TITLE

SOIL SAMPLING RESULTS 2-2.5' DEPTH FORMER CANINE KENNEL SITE

GABRESKI AIRPORT
WESTHAMPTON, NY

FIGURE NO
4a

SHEET OF



CHARTS FOR SOIL SAMPLES (4' OR GREATER) DEPTH

0 20 40
SCALE: 1" = 20'

BASE MAP PROVIDED BY:
L.K. McLEAN ASSOCIATES, P.C.
437 SOUTH COUNTRY ROAD
BROOKHAVEN, NY 11719
DATED: JULY 18, 2008

LEGEND

- TP-1 — TEST PIT LOCATION
- REMEDIAL INVESTIGATION STEP OUT SOIL SAMPLE LOCATIONS
- S-1 — APPROXIMATE NYSDEC SOIL SAMPLE LOCATION (2000)
- MW-1 — MONITORING WELL LOCATION
- SAMPLE LOCATION EXCEEDS 1.0 mg\kg
- CA-2 — SURFACE CAPACITOR LOCATION

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Strategic Environmental & Engineering Solutions
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CONSULTANTS

DRAWINGS PREPARED FOR

REVISIONS	DATE	INITIAL	COMMENTS

DRAWING INFORMATION

PROJECT: DPW0701	APPROVED BY: PWG
DESIGNED BY: AL	DATE: 8/7/08
DRAWN BY: LLG	SCALE: AS SHOWN

SHEET TITLE

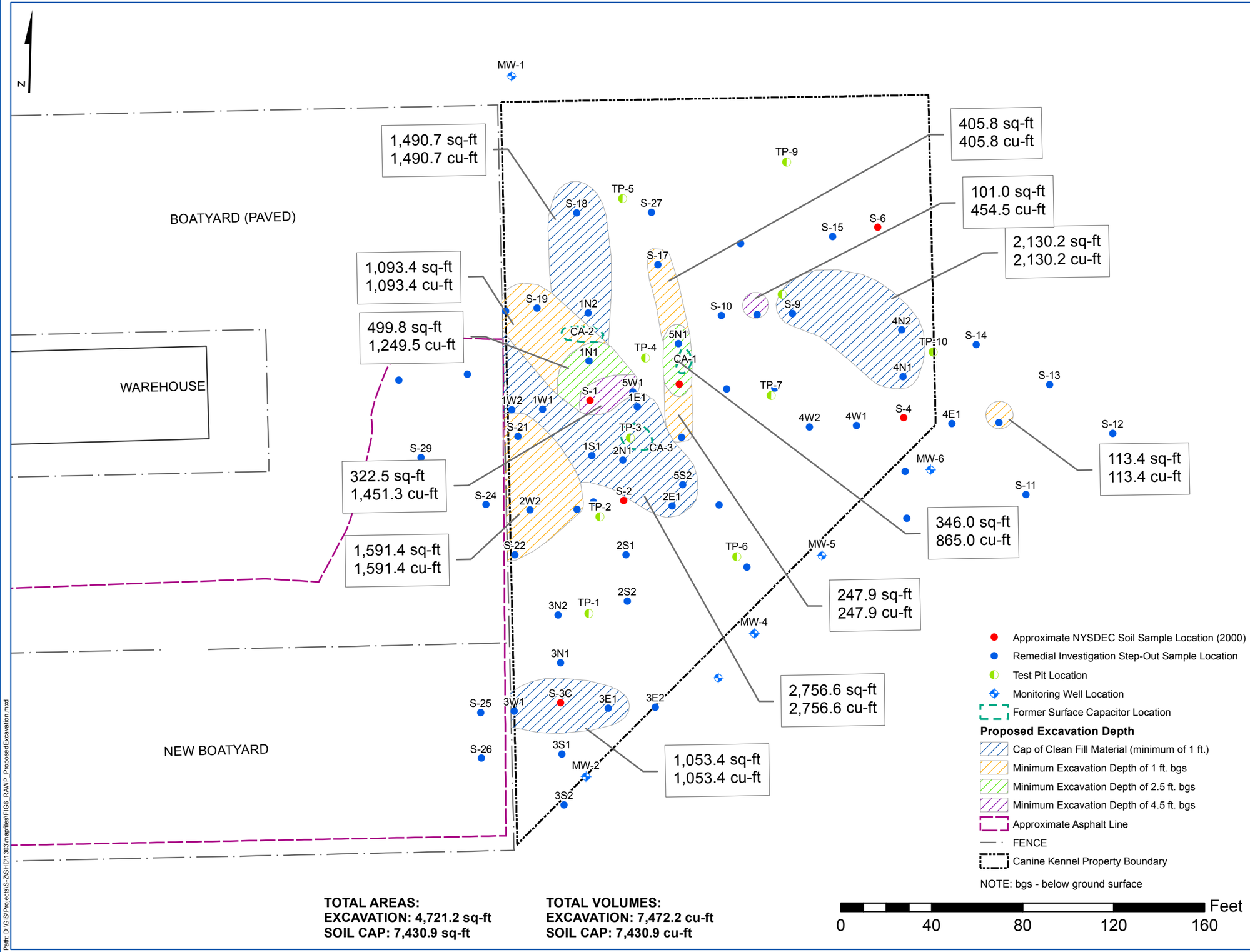
SOIL SAMPLING RESULTS 4' OR GREATER DEPTH FORMER CANINE KENNEL SITE

GABRESKI AIRPORT
WEST HAMPTON, NY

FIGURE NO
4b

SHEET OF

J:\Projects A-D\DPW-pc project\0701-CANINE KENNEL\CANINE KENNEL\CADD\RI Report CAD\sampling Results 4-4.5 Depth.dwg



TOTAL AREAS:
EXCAVATION: 4,721.2 sq-ft
SOIL CAP: 7,430.9 sq-ft

TOTAL VOLUMES:
EXCAVATION: 7,472.2 cu-ft
SOIL CAP: 7,430.9 cu-ft

Path: D:\GIS\Projects\S-Z\SHD1303\mapfiles\FIG6_RAWP_ProposedExcavation.mxd

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DRAWINGS PREPARED FOR:

SUFFOLK COUNTY
DEPT. OF HEALTH SERVICES
OFFICE OF POLLUTION CONTROL
15 HORSEBLOCK PLACE
FARMINGVILLE, NEW YORK 11738

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

PROJECT:	SHD1303	APPROVED BY:	TM
DESIGNED BY:	TM	DATE:	6/11/2014
DRAWN BY:	BB	SCALE:	AS SHOWN

SHEET TITLE:

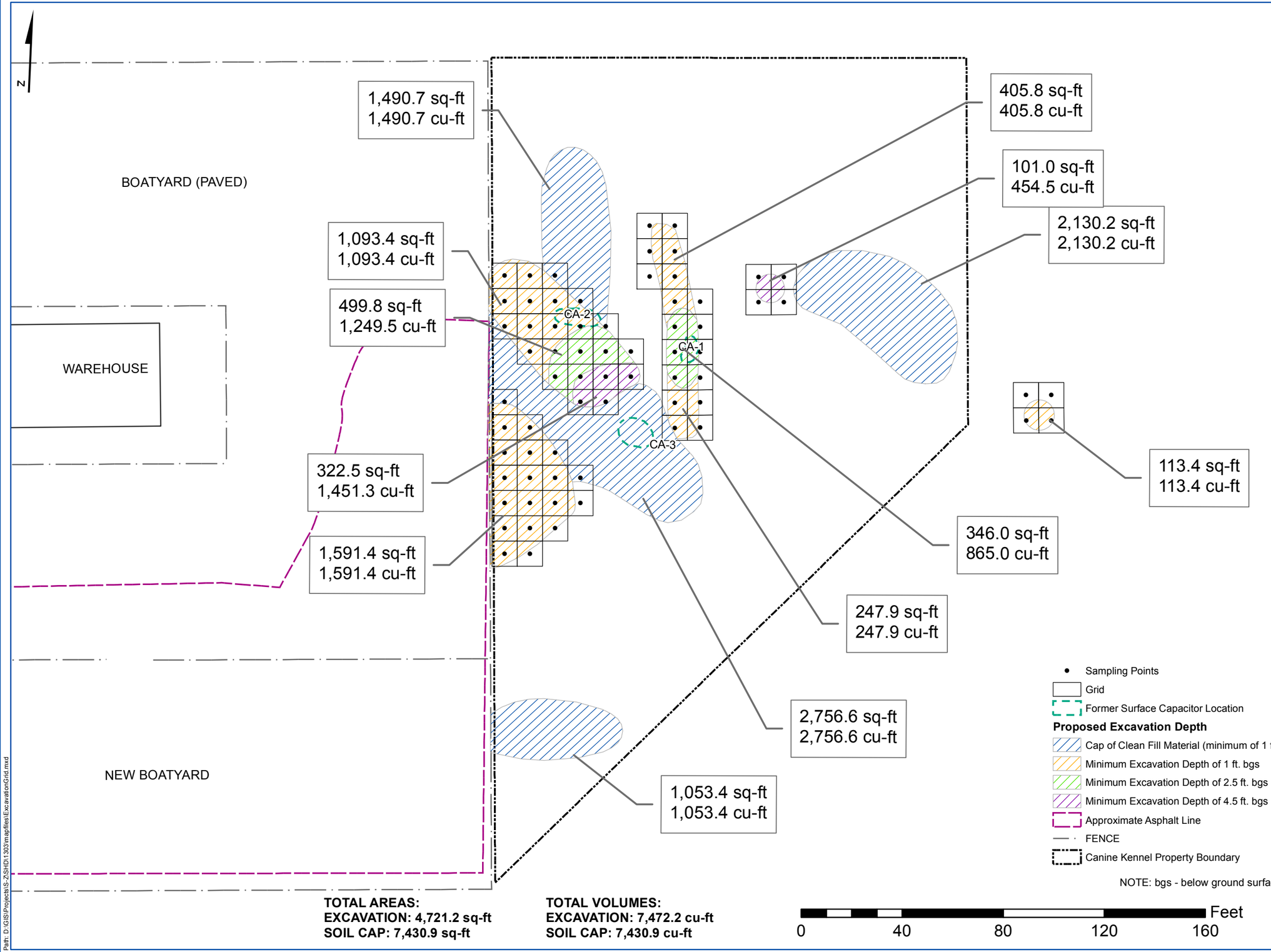
PROPOSED EXCAVATION AND SOIL CAP AREAS ALTERNATIVE 4 - TRACK 4 CLEANUP

FORMER CANINE KENNEL
GABRESKI AIRPORT
WEST HAMPTON, NEW YORK

FIGURE NO:

5

SHEET:



TOTAL AREAS:
EXCAVATION: 4,721.2 sq-ft
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TOTAL VOLUMES:
EXCAVATION: 7,472.2 cu-ft
SOIL CAP: 7,430.9 cu-ft

Path: D:\GIS\Projects\S-Z\SHD1303\mapfiles\ExcavationGrid.mxd

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DRAWINGS PREPARED FOR:

SUFFOLK COUNTY
DEPT. OF HEALTH SERVICES
OFFICE OF POLLUTION CONTROL
15 HORSEBLOCK PLACE
FARMINGVILLE, NEW YORK 11738

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

PROJECT:	SHD1303	APPROVED BY:	TM
DESIGNED BY:	TM	DATE:	6/11/2014
DRAWN BY:	BB	SCALE:	AS SHOWN

SHEET TITLE:

PROPOSED EXCAVATION AND SOIL CAP AREAS ALTERNATIVE 4 - TRACK 4 CLEANUP

FORMER CANINE KENNEL
GABRESKI AIRPORT
WEST HAMPTON, NEW YORK

FIGURE NO:

6

SHEET:

TABLES

TABLE 1
NYSDEC SOIL SAMPLING DATA
SITE #152079
Soil Sampling July 13, 2000

PCB/Pesticide Summary - results in µg/Kg

Sample Location	Sample Depth	Sample ID	Dieldrin	4,4'-DDE	Aroclor-1254	Arclor-1260
Soil #1	0-4"	1118-01	1,900	2,000	150,000[1]	ND[2]
Soil #1	3'	1118-02	250	270	20,000	ND
Soil #2	0-3"	1118-07	N/A[3]	N/A	38,000	910
Soil #2	1'	1118-08	N/A	N/A	930	24
Soil #3	0-3"	1118-05	N/A	N/A	3.9	0.47
Soil #3	2.5'	1118-06	N/A	N/A	0.19	ND
Soil #4	0-3"	1118-09	N/A	N/A	17	0.57
Soil #4	2.5'	1118-10	N/A	N/A	0.25	ND
Soil #5	0-4"	1118-03	N/A	N/A	1,900	ND
Soil #5	3.5'	1118-04	N/A	N/A	120	ND
Soil #6	0-4"	1118-11	N/A	N/A	0.092	ND
Soil #6	3'	1118-12	N/A	N/A	0.23	ND
Soil inside end of capacitor at Soil #1	Waste sample	1118-13	N/A	N/A	280,000	3,800

Notes:

[1] Shaded block indicates sample above the regulatory limit of 50 ppm (50,000 µg/Kg)

[2] Compound not detected at method detection limit.

[3] Not analyzed

ppm - parts per million

mg/kg - milligrams per kilogram

TABLE 2
SOIL ANALYTICAL RESULTS FOR S-1
PCBS
EPA METHOD 8082

Former Canine Kennel - Westhampton Beach, New York

Compound	NYSDEC Recommended Soil Cleanup Objective (1)	Unrestricted Use (2)	Residential (3)	Restricted Residential (3)	Commercial (3)	Industrial (3)	Protection of Ecological Resources (3)	Protection of Groundwater (3)	Sample ID	1A	1B	1C	1N1A	1N1B	1N1C	1N2A	1N2B	1E1A	1E1B	1S1A	1S1B	1S2A	1S2B	1W1A	1W1B	1W1C	1W2A	1W2B
									Date Collected	3/26/2008	3/26/2008	3/26/208	3/27/2008	327/2008	3/29/208	3/27/2008	3/26/2008	3/26/2008	3/26/2008	3/27/2008	3/27/2008	3/27/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008
									Date Analyzed	4/4/2008	4/6/2008	4/10/2008	4/7/2008	4/10/2008	5/21/2008	4/10/2008	5/21/2008	4/4/2008	4/1/2008	4/4/2008	4/10/2008	4/10/2008	5/21/2008	4/4/2008	4/10/2008	5/21/2008	4/11/2008	5/21/2008
									Depth	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(0-2")	(2-2.5')	(0-2")	(2-2.5')	(0-2")	(2-2.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')
PCBs 8082 - mg/kg																												
Aroclor-1016	1*	0.1**	1	1	1	25	1	3.2		0.0040 UJ	2 UJ	0.19 UJ	2.3 UJ	22 UJ	0.019 UJ	0.039 UJ	0.019 UJ	0.0046 UJ	0.0042 UJ	0.0042 UJ	0.02 UJ	0.04 UJ	0.0085 UJ	0.0039 UJ	0.0038 UJ	0.023 UJ	0.2 UJ	0.0038 UJ
Aroclor-1221	1*	0.1**	1	1	1	25	1	3.2		0.0049 UJ	2 UJ	0.21 UJ	2.8 UJ	27 UJ	0.024 UJ	0.048 UJ	0.023 UJ	0.0056 UJ	0.0051 UJ	0.0051 UJ	0.025 UJ	0.049 UJ	0.01 UJ	0.0048 UJ	0.0047 UJ	0.028 UJ	0.24 UJ	0.0047 UJ
Aroclor-1232	1*	0.1**	1	1	1	25	1	3.2		0.0051 UJ	3 UJ	0.25 UJ	2.9 UJ	28 UJ	0.025 UJ	0.050 UJ	0.024 UJ	0.0058 UJ	0.0054 UJ	0.0054 UJ	0.026 UJ	0.051 UJ	0.011 UJ	0.005 UJ	0.0049 UJ	0.029 UJ	0.25 UJ	0.0049 UJ
Aroclor-1242	1*	0.1**	1	1	1	25	1	3.2		0.0022 UJ	1 UJ	0.11 UJ	1.3 UJ	12 UJ	0.011 UJ	0.022 UJ	0.010 UJ	0.0026 UJ	0.0024 UJ	0.0024 UJ	0.011 UJ	0.023 UJ	0.0048 UJ	0.0022 UJ	0.0022 UJ	0.013 UJ	0.11 UJ	0.0022 UJ
Aroclor-1248	1*	0.1**	1	1	1	25	1	3.2		0.0049 UJ	2 UJ	0.24 UJ	2.8 UJ	27 UJ	0.024 UJ	0.048 UJ	0.023 UJ	0.0056 UJ	0.0052 UJ	0.0052 UJ	0.025 UJ	0.05 UJ	0.01 UJ	0.0048 UJ	0.0047 UJ	0.028 UJ	0.24 UJ	0.0047 UJ
Aroclor-1254	1*	0.1**	1	1	1	25	1	3.2		**1.1 D**	**130**	**14 D**	**42**	**1,800 DP**	0.11 D	**3.4 DP**	0.76 D	**2.5 D**	0.17 P	**7.6 D**	**1.7 D**	**2.7 DP**	0.55 DP	**2.3 D**	0.1	**1.1 D**	**9.9 DP**	0.094
Aroclor-1260	1*	0.1**	1	1	1	25	1	3.2		0.0040 UJ	2 UJ	0.19 UJ	2.3 UJ	22 UJ	0.019 UJ	0.039 UJ	0.019 UJ	0.0045 UJ	0.0042 UJ	0.0042 UJ	0.02 UJ	0.04 UJ	0.0085 UJ	0.0039 UJ	0.0038 UJ	0.023 UJ	0.2 UJ	0.0038 UJ

Notes:
All concentrations are in mg/kg
(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00
(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use Soil Cleanup Objectives Table 375-6.8a 12/06
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06
SCO - Soil cleanup objective
CRQL - Contract required quantitation limit
TSD - Technical Support Document
*-NYSDEC recommended soil cleanup objectives for PCBs are 1.0 mg/kg for surface soils and 10 mg/kg for subsurface soils.
** - NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives for total PCBs is 0.1 mg/kg
NR - Not Run
U - The compound was not detected at the indicated concentration.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
Bold/highlighted - indicated exceedance of the NYSDEC Cleanup Objective for residential use

TABLE 3
SOIL ANALYTICAL RESULTS FOR S-2
PCBS
EPA METHOD 8082

Former Canine Kennel - Westhampton Beach, New York

Compound	NYSDEC Recommended Soil Cleanup Objective (1)	Unrestricted Use (2)	Residential (3)	Restricted Residential (3)	Commercial (3)	Industrial (3)	Protection of Ecological Resources (3)	Protection of Groundwater (3)	Sample ID	2A	2B	2C	2N1A	2E1A	2E1B	2E2A	2E2B	2E2C	2S1A	2S1B	2S2A	2W1A	2W2A	2W2B	2W2C	FD-04
									Date Collected	3/25/2008	3/25/2008	3/25/2008	3/24/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/24/2008	3/24/2008
									Date Analyzed	4/1/2008	4/1/2008	4/5/2008	4/3/2008	4/1/2008	4/6/2008	4/5/2008	4/5/2008	4/5/2008	4/3/2008	4/5/2008	4/5/2008	4/3/2008	4/7/2008	4/6/2008	4/1/2008	4/2/2008
									Depth	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(0-2")	(2-2.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(0-2")	(0-2")	(0-2")	(2-2.5')	(4-4.5')	(2W2C)
PCBs 8082 - mg/kg																										
Aroclor-1016	1*	0.1**	1	1	1	25	1	3.2		0.02 UJ	0.0039 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.0039 UJ	0.0082 UJ	0.0039 UJ	0.0039 UJ	0.02 UJ	0.0039 UJ	0.02 UJ	0.51 UJ	2.1 UJ	0.019 UJ	0.019 UJ	0.039 UJ
Aroclor-1221	1*	0.1**	1	1	1	25	1	3.2		0.024 UJ	0.0048 UJ	0.024 UJ	0.025 UJ	0.025 UJ	0.0048 UJ	0.01 UJ	0.0048 UJ	0.0047 UJ	0.025 UJ	0.0048 UJ	0.024 UJ	0.62 UJ	2.6 UJ	0.023 UJ	0.024 UJ	0.048 UJ
Aroclor-1232	1*	0.1**	1	1	1	25	1	3.2		0.025 UJ	0.005 UJ	0.025 UJ	0.026 UJ	0.026 UJ	0.005 UJ	0.011 UJ	0.005 UJ	0.005 UJ	0.026 UJ	0.005 UJ	0.025 UJ	0.65 UJ	2.7 UJ	0.024 UJ	0.025 UJ	0.05 UJ
Aroclor-1242	1*	0.1**	1	1	1	25	1	3.2		0.011 UJ	0.0022 UJ	0.011 UJ	0.011 UJ	0.011 UJ	0.0022 UJ	0.0046 UJ	0.0022 UJ	0.0022 UJ	0.011 UJ	0.0022 UJ	0.011 UJ	0.29 UJ	1.2 UJ	0.011 UJ	0.011 UJ	0.022 UJ
Aroclor-1248	1*	0.1**	1	1	1	25	1	3.2		0.024 UJ	0.0048 UJ	0.024 UJ	0.025 UJ	0.025 UJ	0.0048 UJ	0.01 UJ	0.0048 UJ	0.0048 UJ	0.025 UJ	0.0048 UJ	0.024 UJ	0.63 UJ	2.6 UJ	0.023 UJ	0.024 UJ	0.048 UJ
Aroclor-1254	1*	0.1**	1	1	1	25	1	3.2		0.76 D	0.06	0.77 D	0.69	**1.3 DP**	0.58 D	0.45 D	0.0049 UJ	0.0049 UJ	0.6	0.089	0.66 D	**19 DP**	**150**	0.66 D	0.99 D	**1.3 P**
Aroclor-1260	1*	0.1**	1	1	1	25	1	3.2		0.02 UJ	0.0039 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.0039 UJ	0.0082 UJ	0.0039 UJ	0.0039 UJ	0.02 UJ	0.0039 UJ	0.02 UJ	0.51 UJ	2.1 UJ	0.019 UJ	0.019 UJ	0.039 UJ

Notes:
All concentrations are in mg/kg
(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00
(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use Soil Cleanup Objectives Table 375-6.8a 12/06
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06
SCO - Soil cleanup objective
CRQL - Contract required quantitation limit
TSD - Technical Support Document
*-NYSDEC recommended soil cleanup objectives for PCBs are 1.0 mg/kg for surface soils and 10 mg/kg for subsurface soils.
** - NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives for total PCBs is 0.1 mg/kg
U - The compound was not detected at the indicated concentration.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
Bold/highlighted - indicated exceedance of the NYSDEC Cleanup Objective for residential use

TABLE 4
SOIL ANALYTICAL RESULTS FOR S-3
PCBS
EPA METHOD 8082

Former Canine Kennel - Westhampton Beach, New York

Compound	NYSDEC Recommended Soil Cleanup Objective (1)	Unrestricted Use (2)	Residential (3)	Restricted Residential (3)	Commercial (3)	Industrial (3)	Protection of Ecological Resources (3)	Protection of Groundwater (3)	Sample ID	3A	3B	3C	3N1A	3N1B	3N1C	3N2A	3N2B	3E1A	3E1B	3E1C	3E2A	3E2B	3E2C	3S1A	3S1B	3S1C	3S2A	3S2B	3S2C	3W1A	3W1B	3W1C	FD-01
									Date Collected	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008
									Date Analyzed	4/1/2008	4/1/2008	4/1/2008	4/1/2008	4/1/2008	4/3/2008	4/3/2008	4/1/2008	4/1/2008	4/1/2008	4/1/2008	4/1/2008	4/1/2008	4/1/2008	4/3/2008	4/1/2008	4/1/2008	4/1/2008	4/1/2008	4/1/2008	4/1/2008	4/1/2008	4/2/2008
									Depth	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(3W1C)
PCBs 8082 - mg/kg																																	
Aroclor-1016	1*	0.1**	1	1	1	25	1	3.2		0.026 UJ	0.0039 UJ	0.0038 UJ	0.0039 UJ	0.0038 UJ	0.0038 UJ	0.02 UJ	0.004 UJ	0.0057 UJ	0.0039 UJ	0.0038 UJ	0.0042 UJ	0.0038 UJ	0.0039 UJ	0.0053 UJ	0.0039 UJ	0.0039 UJ	0.005 UJ	0.0039 UJ	0.0039 UJ	0.0041 UJ	0.0038 UJ	0.0038 UJ	0.0038 UJ
Aroclor-1221	1*	0.1**	1	1	1	25	1	3.2		0.031 UJ	0.0047 UJ	0.0047 UJ	0.0048 UJ	0.0046 UJ	0.0047 UJ	0.024 UJ	0.0048 UJ	0.007 UJ	0.0048 UJ	0.0047 UJ	0.0052 UJ	0.0047 UJ	0.0048 UJ	0.0064 UJ	0.0047 UJ	0.0048 UJ	0.0061 UJ	0.0048 UJ	0.0048 UJ	0.005 UJ	0.0046 UJ	0.0047 UJ	0.0047 UJ
Aroclor-1232	1*	0.1**	1	1	1	25	1	3.2		0.033 UJ	0.0049 UJ	0.0049 UJ	0.005 UJ	0.0049 UJ	0.0049 UJ	0.025 UJ	0.0051 UJ	0.0074 UJ	0.005 UJ	0.0049 UJ	0.0054 UJ	0.0049 UJ	0.005 UJ	0.0067 UJ	0.005 UJ	0.005 UJ	0.0064 UJ	0.005 UJ	0.005 UJ	0.0053 UJ	0.0049 UJ	0.0049 UJ	0.0049 UJ
Aroclor-1242	1*	0.1**	1	1	1	25	1	3.2		0.014 UJ	0.0022 UJ	0.0022 UJ	0.0022 UJ	0.0021 UJ	0.0021 UJ	0.011 UJ	0.0022 UJ	0.0032 UJ	0.0022 UJ	0.0022 UJ	0.0024 UJ	0.0022 UJ	0.0022 UJ	0.0029 UJ	0.0022 UJ	0.0022 UJ	0.0028 UJ	0.0022 UJ	0.0022 UJ	0.0023 UJ	0.0021 UJ	0.0022 UJ	0.0022 UJ
Aroclor-1248	1*	0.1**	1	1	1	25	1	3.2		0.031 UJ	0.0047 UJ	0.0047 UJ	0.0048 UJ	0.0047 UJ	0.0047 UJ	0.024 UJ	0.0049 UJ	0.0071 UJ	0.0048 UJ	0.0047 UJ	0.0052 UJ	0.0047 UJ	0.0048 UJ	0.0065 UJ	0.0048 UJ	0.0048 UJ	0.0061 UJ	0.0048 UJ	0.0048 UJ	0.0051 UJ	0.0047 UJ	0.0047 UJ	0.0047 UJ
Aroclor-1254	1*	0.1**	1	1	1	25	1	3.2		**1.4 D**	0.02 J	0.038	0.34	0.046	0.0033	0.65 D	0.83 D	**1.120 EP**	0.068	0.037 P	0.22	0.0048 UJ	0.005 UJ	0.57 EP	0.035	0.1 P	0.4 P	0.0049 UJ	0.0049 UJ	**3.2 EP**	0.043	0.039	0.0048 UJ
Aroclor-1260	1*	0.1**	1	1	1	25	1	3.2		0.025 UJ	0.0038 UJ	0.0038 UJ	0.0039 UJ	0.0038 UJ	0.0038 UJ	0.02 UJ	0.004 UJ	0.0057 UJ	0.0039 UJ	0.0038 UJ	0.0042 UJ	0.0038 UJ	0.0039 UJ	0.0052 UJ	0.0039 UJ	0.0039 UJ	0.005 UJ	0.0039 UJ	0.0039 UJ	0.0041 UJ	0.0038 UJ	0.0038 UJ	0.0038 UJ

Notes:
All concentrations are in mg/kg
(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00
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(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06
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TSD - Technical Support Document
*-NYSDEC recommended soil cleanup objectives for PCBs are 1.0 mg/kg for surface soils and 10 mg/kg for subsurface soils.
** - NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives for total PCBs is 0.1 mg/kg
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater. The concentration given is an approximate value.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
E (Organics) - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
E (Inorganics) - The reported value is estimated because of the presence of interference.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
Bold/highlighted - indicated exceedance of the NYSDEC Cleanup Objective for residential us

TABLE 5
SOIL ANALYTICAL RESULTS FOR S-4
PCBS
EPA METHOD 8082

Former Canine Kennel - Westhampton Beach, New York

Compound	NYSDEC Recommended Soil Cleanup Objective (1)	Unrestricted Use (2)	Residential (3)	Restricted Residential (3)	Commercial (3)	Industrial (3)	Protection of Ecological Resources (3)	Protection of Groundwater (3)	Sample ID	4A	4B	4C	4N1A	FD-03	4N1B	4N1C	4N2A	4N2B	4N2C	4E1A	4E1B	4E1C	4E2A	4E2B	4E2C	4S1A	4S1B	4S1C	4S2A	4S2B	4S2C	4W1A	4W1B	4W1C	4W2A	4W2B	4W2C
									Date Collected	3/24/2008	3/24/2008	3/24/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008
									Date Analyzed	4/1/2008	4/1/2008	4/4/2008	4/3/2008	4/3/2008	4/5/2008	4/5/2008	4/3/2008	4/5/2008	4/5/2008	4/1/2008	4/4/2008	4/4/2008	4/4/2008	4/3/2008	4/3/2008	4/1/2008	4/1/2008	4/3/2008	4/3/2008	4/3/2008	4/3/2008	4/1/2008	4/4/2008	4/4/2008	4/3/2008	4/3/2008	4/3/2008
									Depth	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(4N1A)	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')
PCBs 8082 - mg/kg																																				
Aroclor-1016	1*	0.1**	1	1	1	25	1	3.2		0.0039 UJ	0.0039 UJ	0.0039 UJ	0.23 UJ	0.0038 UJ	0.0038 UJ	0.004 UJ	0.2 UJ	0.0039 UJ	0.0038 UJ	0.0042 UJ	0.004 UJ	0.0039 UJ	0.031 UJ	0.004 UJ	0.0039 UJ	0.004 UJ	0.0039 UJ	0.004 UJ	0.0042 UJ	0.0039 UJ	0.0039 UJ	0.004 UJ	0.0037 UJ	0.0039 UJ	0.0039 UJ	0.0038 UJ	0.0039 UJ
Aroclor-1221	1*	0.1**	1	1	1	25	1	3.2		0.0047 UJ	0.0047 UJ	0.0047 UJ	0.28 UJ	0.0047 UJ	0.0047 UJ	0.0049 UJ	0.24 UJ	0.0048 UJ	0.0047 UJ	0.0052 UJ	0.0049 UJ	0.0047 UJ	0.038 UJ	0.0049 UJ	0.0047 UJ	0.0049 UJ	0.0048 UJ	0.0049 UJ	0.0052 UJ	0.0048 UJ	0.0048 UJ	0.0048 UJ	0.0046 UJ	0.0048 UJ	0.0048 UJ	0.0047 UJ	0.0048 UJ
Aroclor-1232	1*	0.1**	1	1	1	25	1	3.2		0.0049 UJ	0.005 UJ	0.005 UJ	0.29 UJ	0.0049 UJ	0.0049 UJ	0.0051 UJ	0.25 UJ	0.005 UJ	0.0049 UJ	0.0054 UJ	0.0051 UJ	0.005 UJ	0.04 UJ	0.0051 UJ	0.005 UJ	0.0051 UJ	0.005 UJ	0.0051 UJ	0.0054 UJ	0.005 UJ	0.005 UJ	0.0051 UJ	0.0048 UJ	0.005 UJ	0.005 UJ	0.0049 UJ	0.005 UJ
Aroclor-1242	1*	0.1**	1	1	1	25	1	3.2		0.0022 UJ	0.0022 UJ	0.0022 UJ	0.13 UJ	0.0022 UJ	0.0022 UJ	0.0022 UJ	0.11 UJ	0.0022 UJ	0.0022 UJ	0.0024 UJ	0.0023 UJ	0.0022 UJ	0.017 UJ	0.0023 UJ	0.0022 UJ	0.0022 UJ	0.0022 UJ	0.0023 UJ	0.0024 UJ	0.0022 UJ	0.0022 UJ	0.0022 UJ	0.0021 UJ	0.0022 UJ	0.0022 UJ	0.0022 UJ	0.0022 UJ
Aroclor-1248	1*	0.1**	1	1	1	25	1	3.2		0.0047 UJ	0.0048 UJ	0.0048 UJ	0.28 UJ	0.0047 UJ	0.0047 UJ	0.0049 UJ	0.24 UJ	0.0048 UJ	0.0047 UJ	0.0052 UJ	0.0049 UJ	0.0048 UJ	0.038 UJ	0.0049 UJ	0.0048 UJ	0.0049 UJ	0.0048 UJ	0.005 UJ	0.0052 UJ	0.0048 UJ	0.0048 JU	0.0049 UJ	0.0046 UJ	0.0048 UJ	0.0048 UJ	0.0047 UJ	0.0048 UJ
Aroclor-1254	1*	0.1**	1	1	1	25	1	3.2		0.069	0.0049 UJ	0.0049 UJ	**9.8 D**	0.0048 UJ	0.085	0.036	**9.1 D**	0.0049 UJ	0.0048 UJ	0.26 P	0.005 UJ	0.005 UJ	**1.16 D**	0.08	0.028	0.14 P	0.0049 UJ	0.005 UJ	0.19	0.018 J	0.0049 UJ	0.037 P	0.0047 UJ	0.0049 UJ	0.062	0.021 J	0.0049 UJ
Aroclor-1260	1*	0.1**	1	1	1	25	1	3.2		0.0038 UJ	0.0039 UJ	0.0039 UJ	0.23 UJ	0.0038 UJ	0.0038 UJ	0.004 UJ	0.2 UJ	0.0039 UJ	0.0038 UJ	0.0042 UJ	0.004 UJ	0.0039 UJ	0.031 UJ	0.004 UJ	0.0039 UJ	0.004 UJ	0.0039 UJ	0.004 UJ	0.0042 UJ	0.0039 UJ	0.0039 UJ	0.004 UJ	0.0037 UJ	0.0039 UJ	0.0039 UJ	0.0038 UJ	0.0039 UJ

Notes:
All concentrations are in mg/kg
(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00
(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use Soil Cleanup Objectives Table 375-6.8a 12/06
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06
SCO - Soil cleanup objective
CRQL - Contract required quantitation limit
TSD - Technical Support Document
*-NYSDEC recommended soil cleanup objectives for PCBs are 1.0 mg/kg for surface soils and 10 mg/kg for subsurface soils.
** - NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives for total PCBs is 0.1 mg/kg
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater. The concentration given is an approximate value.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
Bold/highlighted - indicated exceedance of the NYSDEC Cleanup Objective for residential use

TABLE 6
SOIL ANALYTICAL RESULTS FOR S-5
PCBS
EPA METHOD 8082

Former Canine Kennel - Westhampton Beach, New York

Compound	NYSDEC Recommended Soil Cleanup Objective (1)	Unrestricted Use (2)	Residential (3)	Restricted Residential (3)	Commercial (3)	Industrial (3)	Protection of Ecological Resources (3)	Protection of Groundwater (3)	Sample ID	5A	FD-05	5B	5N1A	5N1B	5E1A	5E1B	5E2A	5S1A	5S1B	5S1C	5S2A	5S2B	5W1A	5W1B	5W1C
									Date Collected	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008	3/26/2008
									Date Analyzed	4/11/2008	4/4/2008	4/7/2008	4/4/2008	5/20/2008	4/4/2008	4/2/2008	4/2/208	4/6/2008	4/9/2008	5/24/2008	4/9/2008	5/20/2008	4/4/2008	4/2/2008	5/24/2008
									Depth	(0-2")	(5A)	(2-2.5')	(0-2")	(2-2.5')	(0-2")	(2-2.5')	(0-2")	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(0-2")	(2-2.5')	(4-4.5')
PCBs 8082 - mg/kg																									
Aroclor-1016	1*	0.1**	1	1	1	25	1	3.2		0.004 UJ	0.0041 UJ	2 UJ	0.004 UJ	75 UJ	0.0042 UJ	0.019 UJ	0.0039 UJ	0.84 UJ	0.088 UJ	0.09 UJ	0.021 UJ	0.0039 UJ	0.0039 UJ	0.019 UJ	40 UJ
Aroclor-1221	1*	0.1**	1	1	1	25	1	3.2		0.0049 UJ	0.0050 UJ	2.5 UJ	0.0048 UJ	91 UJ	0.0051 UJ	0.024 UJ	0.0048 UJ	1 UJ	0.11 UJ	0.11 UJ	0.026 UJ	0.0048 UJ	0.0048 UJ	0.024 UJ	49 UJ
Aroclor-1232	1*	0.1**	1	1	1	25	1	3.2		0.0051 UJ	0.0053 UJ	2.6 UJ	0.0051 UJ	96 UJ	0.0054 UJ	0.025 UJ	0.005 UJ	1.1 UJ	0.11 UJ	0.12 UJ	0.027 UJ	0.005 UJ	0.005 UJ	0.025 UJ	51 UJ
Aroclor-1242	1*	0.1**	1	1	1	25	1	3.2		0.0023 UJ	0.0023 UJ	1.1 UJ	0.0022 UJ	42 UJ	0.0024 UJ	0.011 UJ	0.0022 UJ	0.47 UJ	0.049 UJ	0.05 UJ	0.012 UJ	0.0022 UJ	0.0022 UJ	0.011 UJ	23 UJ
Aroclor-1248	1*	0.1**	1	1	1	25	1	3.2		0.0049 UJ	0.0051 UJ	2.5 UJ	0.0049 UJ	92 UJ	0.0052 UJ	0.024 UJ	0.0048 UJ	1 UJ	0.11 UJ	0.11 UJ	0.026 UJ	0.0048 UJ	0.0048 UJ	0.024 UJ	49 UJ
Aroclor-1254	1*	0.1**	1	1	1	25	1	3.2		**5**	**3.5**	**350 D**	**39**	**4,200**	**1.9**	0.93 D	0.19	**53**	**4.2 DP**	**4.1 D**	**1.2 DP**	0.21	**1.2**	**1.1 D**	**2,100 D**
Aroclor-1260	1*	0.1**	1	1	1	25	1	3.2		0.004 UJ	0.0041 UJ	2 UJ	0.004 UJ	75 UJ	0.0042 UJ	0.19 UJ	0.0039 UJ	0.84 UJ	0.088 UJ	0.09 UJ	0.021 UJ	0.0039 UJ	0.0039 UJ	0.019 UJ	40 UJ

Notes:
All concentrations are in mg/kg
(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00
(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use Soil Cleanup Objectives Table 375-6.8a 12/06
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06
SCO - Soil cleanup objective
CRQL - Contract required quantitation limit
TSD - Technical Support Document
*-NYSDEC recommended soil cleanup objectives for PCBs are 1.0 mg/kg for surface soils and 10 mg/kg for subsurface soils.
** - NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives for total PCBs is 0.1 mg/kg
NR - Not Run
U - The compound was not detected at the indicated concentration.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
Bold/highlighted - indicated exceedance of the NYSDEC Cleanup Objective for residential use

TABLE 7
SOIL ANALYTICAL RESULTS FOR S-6 through S-10
PCBS
EPA METHOD 8082

Former Canine Kennel - Westhampton Beach, New York

Compound	NYSDEC Recommended Soil Cleanup Objective (1)	Unrestricted Use (2)	Residential (3)	Restricted Residential (3)	Commercial (3)	Industrial (3)	Protection of Ecological Resources (3)	Protection of Groundwater (3)	Sample ID	6A	6B	6C	7A	7B	7C	FD-02	8A	8B	8C	9A	9B	9C	10A	10B	10C
									Date Collected	3/25/2008	3/25/2008	3/25/2008	3/24/2008	3/24/2008	3/24/2008	3/24/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008
									Date Analyzed	4/3/2008	4/3/2008	4/5/2008	4/2/2008	4/2/2008	4/5/2008	4/2/2008	4/3/2008	4/3/2008	4/5/2008	4/3/2008	4/1/2008	4/5/2008	4/1/2008	4/1/2008	4/5/2008
									Depth	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(7C)	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')	(0-2")	(2-2.5')	(4-4.5')
PCBs 8082 - mg/kg																									
Aroclor-1016	1*	0.1**	1	1	1	25	1	3.2		0.0046 UJ	0.0039 UJ	0.0039 UJ	0.0042 UJ	0.0039 UJ	0.0039 UJ	0.0039 UJ	0.02 UJ	0.02 UJ	0.02 UJ	0.0041 UJ	0.0038 UJ	0.0038 UJ	0.019 UJ	0.004 UJ	0.078 UJ
Aroclor-1221	1*	0.1**	1	1	1	25	1	3.2		0.0056 UJ	0.0048 UJ	0.0048 UJ	0.0052 UJ	0.0047 UJ	0.0048 UJ	0.0047 UJ	0.024 UJ	0.024 UJ	0.24 UJ	0.005 UJ	0.0047 UJ	0.0047 UJ	0.024 UJ	0.0048 UJ	0.095 UJ
Aroclor-1232	1*	0.1**	1	1	1	25	1	3.2		0.0059 UJ	0.005 UJ	0.005 UJ	0.0054 UJ	0.005 UJ	0.005 UJ	0.005 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.0053 UJ	0.0049 UJ	0.0049 UJ	0.025 UJ	0.0051 UJ	0.1 UJ
Aroclor-1242	1*	0.1**	1	1	1	25	1	3.2		0.0026 UJ	0.0022 UJ	0.0022 UJ	0.0024 UJ	0.002 UJ	0.0022 UJ	0.0022 UJ	0.011 UJ	0.011 UJ	0.011 UJ	0.0023 UJ	0.0022 UJ	0.0022 UJ	0.011 UJ	0.0022 UJ	0.044 UJ
Aroclor-1248	1*	0.1**	1	1	1	25	1	3.2		0.0057 UJ	0.0048 UJ	0.0048 UJ	0.0052 UJ	0.0048 UJ	0.0048 UJ	0.0048 UJ	0.024 UJ	0.024 UJ	0.024 UJ	0.0051 UJ	0.0047 UJ	0.0047 UJ	0.024 UJ	0.0049 UJ	0.096 UJ
Aroclor-1254	1*	0.1**	1	1	1	25	1	3.2		0.21	0.0049 UJ	0.0049 UJ	0.35 P	0.0049 UJ	0.12	0.0049 UJ	0.6	0.82	**15 D**	**1.2 EP**	0.0048 UJ	0.0048 UJ	**1.6 DP**	0.315	**4.9 D**
Aroclor-1260	1*	0.1**	1	1	1	25	1	3.2		0.0046 UJ	0.0039 UJ	0.0039 UJ	0.0042 UJ	0.0039 UJ	0.0039 UJ	0.0039 UJ	0.02 UJ	0.02 UJ	0.2 UJ	0.0041 UJ	0.0038 UJ	0.0038 UJ	0.019 UJ	0.004 UJ	0.078 UJ

Notes:
All concentrations are in mg/kg
(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00
(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use Soil Cleanup Objectives Table 375-6.8a 12/06
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06
SCO - Soil cleanup objective
*-NYSDEC recommended soil cleanup objectives for PCBs are 1.0 mg/kg for surface soils and 10 mg/kg for subsurface soils.
** - NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives for total PCBs is 0.1 mg/kg
NA - Not Sampled
NR - Not Run
NS - No standard
U - The compound was not detected at the indicated concentration.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
E (Organics) - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
E (Inorganics) - The reported value is estimated because of the presence of interference.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
Bold/highlighted - indicated exceedance of the NYSDEC Cleanup Objective for residential use

TABLE 8
SOIL ANALYTICAL RESULTS FOR TEST PIT LOCATIONS
PCBS
EPA METHOD 8082

Former Canine Kennel - Westhampton Beach, New York

Compound	NYSDEC Recommended Soil Cleanup Objective (1)	Unrestricted Use (2)	Residential (3)	Restricted Residential (3)	Commercial (3)	Industrial (3)	Protection of Ecological Resources (3)	Protection of Groundwater (3)	Sample ID	TP-1	TP-2	TP-3
									Date Collected	3/25/2008	3/26/2008	3/26/2008
									Date Analyzed	4/3/2008	4/6/2008	4/4/2008
									Depth	11.0'	6.5'	8.5'
PCBs 8082 - mg/kg												
Aroclor-1016	1*	0.1**	1	1	1	25	1	3.2		0.019 UJ	0.0039 UJ	0.0039 UJ
Aroclor-1221	1*	0.1**	1	1	1	25	1	3.2		0.023 UJ	0.0048 UJ	0.0048 UJ
Aroclor-1232	1*	0.1**	1	1	1	25	1	3.2		0.025 UJ	0.005 UJ	0.005 UJ
Aroclor-1242	1*	0.1**	1	1	1	25	1	3.2		0.011 UJ	0.0022 UJ	0.0022 UJ
Aroclor-1248	1*	0.1**	1	1	1	25	1	3.2		0.024 UJ	0.0048 UJ	0.0048 UJ
Aroclor-1254	1*	0.1**	1	1	1	25	1	3.2		0.58 D	**1.6 D**	**5.4 D**
Aroclor-1260	1*	0.1**	1	1	1	25	1	3.2		0.019 UJ	0.0039 UJ	0.0039 UJ

Notes:
All concentrations are in mg/kg
(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00
(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use Soil Cleanup Objectives Table 375-6.8a 12/06
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06
SCO - Soil cleanup objective
*-NYSDEC recommended soil cleanup objectives for PCBs are 1.0 mg/kg for surface soils and 10 mg/kg for subsurface soils.
** - NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives for total PCBs is 0.1 mg/kg
U - The compound was not detected at the indicated concentration.

TABLE 9
SOIL ANALYTICAL RESULTS FOR CAPACITOR LOCATIONS
PESTICIDES / PCBS
EPA METHOD 8081/8082

Former Canine Kennel - Westhampton Beach, New York

Compound	NYSDEC Recommended Soil Cleanup Objective (1)	Unrestricted Use (2)	Residential (3)	Restricted Residential (3)	Commercial (3)	Industrial (3)	Protection of Ecological Resources (3)	Protection of Groundwater (3)	Sample ID	CA1-1	CA1-2	CA1-3	CA2-1	CA2-2	CA3-1
									Date Collected	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008	3/25/2008
									Date Analyzed	4/3/2008	4/3/2008	4/3/2008	4/3/2008	4/3/2008	4/3/2008
PCBs 8082 - mg/kg															
Aroclor-1016	1*	0.1**	1	1	1	25	1	3.2		1,600 UJ	0.2 UJ	4.3 UJ	820 UJ	0.77 UJ	20 UJ
Aroclor-1221	1*	0.1**	1	1	1	25	1	3.2		2,000 UJ	0.24 UJ	5.3 UJ	1,000 UJ	0.94 UJ	25 UJ
Aroclor-1232	1*	0.1**	1	1	1	25	1	3.2		2,100 UJ	0.26 UJ	5.6 UJ	1,100 UJ	0.99 UJ	26 UJ
Aroclor-1242	1*	0.1**	1	1	1	25	1	3.2		9,000 UJ	0.11 UJ	2.4 UJ	460 UJ	0.43 UJ	11 UJ
Aroclor-1248	1*	0.1**	1	1	1	25	1	3.2		2,000 UJ	0.25 UJ	5.3 UJ	1,000 UJ	0.95 UJ	25 UJ
Aroclor-1254	1*	0.1**	1	1	1	25	1	3.2		**86,000 D**	**220 E**	**110**	**45,000 D**	**36 DP**	**1,300 D**
Aroclor-1260	1*	0.1**	1	1	1	25	1	3.2		1,600 UJ	0.2 UJ	4.3 UJ	820 UJ	0.77 UJ	20 UJ

Notes:
All concentrations are in mg/kg
(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00
(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use Soil Cleanup Objectives Table 375-6.8a 12/06
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06
SCO - Soil cleanup objective
*-NYSDEC recommended soil cleanup objectives for PCBs are 1.0 mg/kg for surface soils and 10 mg/kg for subsurface soils.
** - NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives for total PCBs is 0.1 mg/kg
U - The compound was not detected at the indicated concentration.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
E (Organics) - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
E (Inorganics) - The reported value is estimated because of the presence of interference.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
Bold/highlighted - indicated exceedance of the NYSDEC Cleanup Objective for residential use

TABLE 10
SOIL ANALYTICAL RESULTS FOR S-11 through S-29
PCBS
EPA METHOD 8082

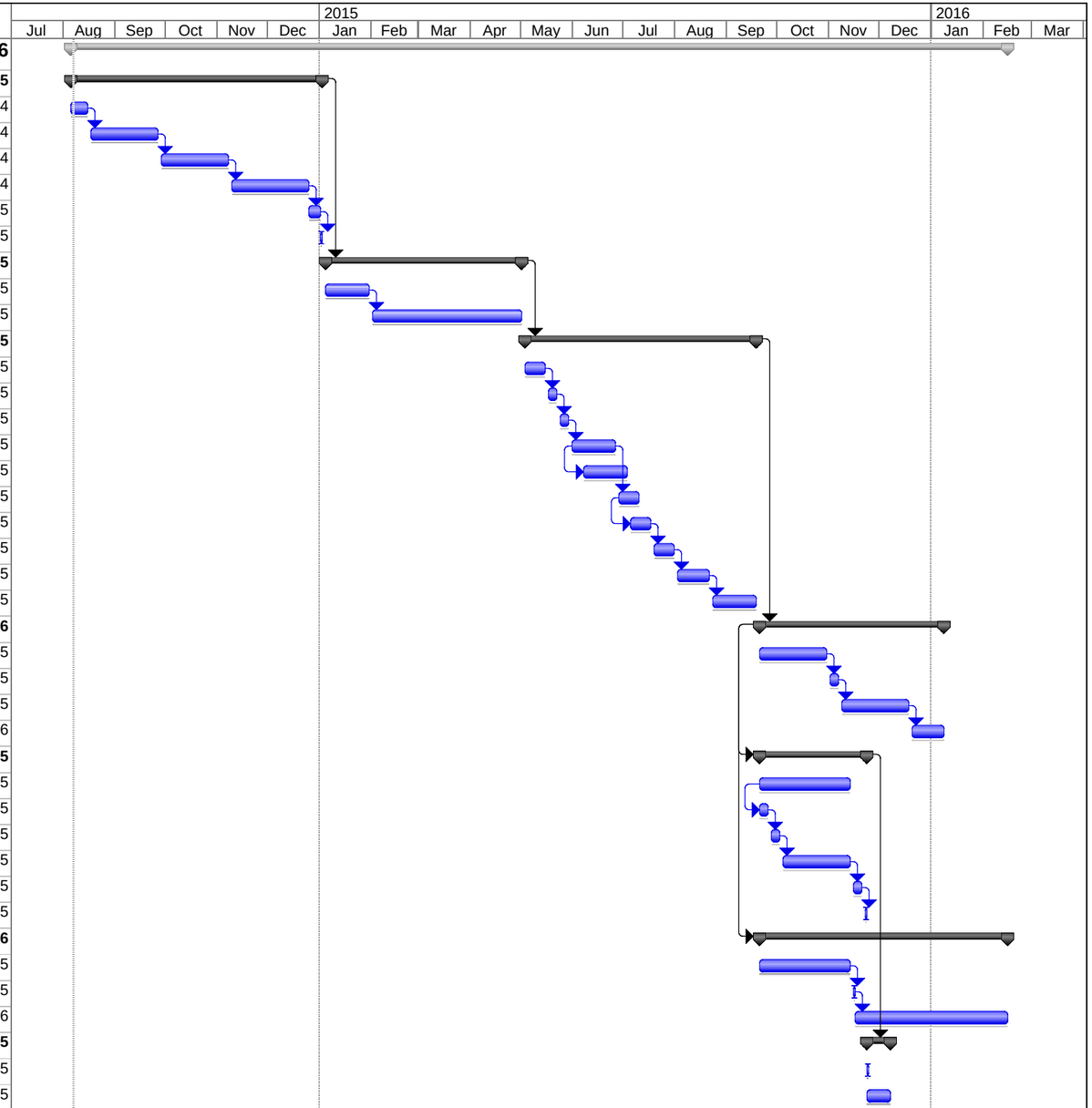
Former Canine Kennel - Westhampton Beach, New York

Compound	NYSDEC Recommended Soil Cleanup Objective (1)	Unrestricted Use (2)	Residential (3)	Restricted Residential (3)	Commercial (3)	Industrial (3)	Protection of Ecological Resources (3)	Protection of Groundwater (3)	Sample ID	11A	12A	FD-06	13A	14A	15A	16A	17A	18A	19A	20A	21A	22A	23A	24A	25A	26A	27A	28A	29A
									Date Collected	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2088	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	6/20/2008	7/11/2008	7/11/2008	7/11/2008
									Date Analyzed	6/29/2008	6/29/2008	6/29/2008	6/29/2008	6/24/2008	6/29/2008	6/29/2008	6/29/2008	6/29/2008	6/29/2008	6/29/2008	6/29/2008	6/25/2008	6/25/2008	6/29/2008	6/29/2008	6/29/2008	7/16/2008	7/16/2008	7/16/2008
									Depth	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"	0-2"
PCBs 8082 - mg/kg																													
Aroclor-1016	1*	0.1**	1	1	1	25	1	3.2		0.0043 UJ	0.0039 UJ	0.0039 UJ	0.0083 UJ	0.0038 UJ	0.0038 UJ	0.0076 UJ	9.7 UJ	0.04 UJ	0.16 UJ	4.1 UJ	2 UJ	0.41 UJ	98 UJ	0.86 UJ	0.02 UJ	0.022 UJ	0.038 UJ	0.77 UJ	0.19 UJ
Aroclor-1221	1*	0.1**	1	1	1	25	1	3.2		0.0052 UJ	0.0048 UJ	0.0048 UJ	0.001 UJ	0.0047 UJ	0.0047 UJ	0.0093 UJ	12 UJ	0.049 UJ	0.2 UJ	5 UJ	2.4 UJ	0.5 UJ	120 UJ	1.1 UJ	0.024 UJ	0.027 UJ	0.046 UJ	0.94 UJ	0.23 UJ
Aroclor-1232	1*	0.1**	1	1	1	25	1	3.2		0.0055 UJ	0.005 UJ	0.005 UJ	0.0011 UJ	0.0049 UJ	0.0049 UJ	0.0097 UJ	12 UJ	0.051 UJ	0.21 UJ	5.3 UJ	2.5 UJ	0.52 UJ	130 UJ	1.1 UJ	0.025 UJ	0.029 UJ	0.049 UJ	0.99 UJ	0.25 UJ
Aroclor-1242	1*	0.1**	1	1	1	25	1	3.2		0.0024 UJ	0.0022 UJ	0.0022 UJ	0.0047 UJ	0.0022 UJ	0.0022 UJ	0.0043 UJ	5.4 UJ	0.022 UJ	0.09 UJ	2.3 UJ	1.1 UJ	0.23 UJ	55 UJ	0.48 UJ	0.011 UJ	0.013 UJ	0.021 UJ	0.43 UJ	0.11 UJ
Aroclor-1248	1*	0.1**	1	1	1	25	1	3.2		0.0053 UJ	0.0048 UJ	0.0048 UJ	0.001 UJ	0.0047 UJ	0.0047 UJ	0.0094 UJ	12 UJ	0.049 UJ	0.2 UJ	5.1 UJ	2.4 UJ	0.5 UJ	120 UJ	1.1 UJ	0.024 UJ	0.028 UJ	0.047 UJ	0.95 UJ	0.24 UJ
Aroclor-1254	1*	0.1**	1	1	1	25	1	3.2		0.0054 UJ	0.0049 UJ	0.215	0.78 D	0.0048 UJ	0.0048 UJ	0.575 D	**510 DP**	**2.2 D**	**10 DP**	**22 D**	**97 DP**	**21 D**	**4,400 D**	**61 DP**	**1.2 DP**	**1.7 DP**	**1.1 D**	**44 D**	**12 D**
Aroclor-1260	1*	0.1**	1	1	1	25	1	3.2		0.072 P	0.044 P	0.0039 UJ	0.0083 UJ	0.0038 UJ	0.0038 UJ	0.0076 UJ	9.7 UJ	0.04 UJ	0.16 UJ	4.1 UJ	2 UJ	0.41 UJ	98 UJ	0.86 UJ	0.02 UJ	0.022 UJ	0.038 UJ	0.77 UJ	0.19 UJ

Notes:
All concentrations are in mg/kg
(1) NYSDEC Recommended Soil Cleanup Objectives (RSCO), Technical and Administrative Guidance Memorandum (TAGM) #4046, 12/00
(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use Soil Cleanup Objectives Table 375-6.8a 12/06
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part Restriced Use of Soil Cleanup Objective Table 375-6.8b 12/06
*-NYSDEC recommended soil cleanup objectives for PCBs are 1.0 mg/kg for surface soils and 10 mg/kg for subsurface soils.
** - NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives for total PCBs is 0.1 mg/kg
U - The compound was not detected at the indicated concentration.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
Bold/highlighted - indicated exceedance of the NYSDEC Cleanup Objective for residential use

ATTACHMENT 1

ID	Task Name	Notes	Duration	Start	Finish
0	**Canine Kennel 8-7-2014**		**399 days**	**Wed 8/6/14**	**Mon 2/15/16**
1	**Remedial Action Work Plan (Work Authorized)**	**$43,703**	**108 days**	**Wed 8/6/14**	**Fri 1/2/15**
2	Revise RAWP & AA		8 days	Wed 8/6/14	Fri 8/15/14
3	NYSDEC Review RAWP & AA		30 days	Mon 8/18/14	Fri 9/26/14
4	NYSDEC Prep & Issue PRAP		30 days	Mon 9/29/14	Fri 11/7/14
5	Public Comment Period		34 days	Mon 11/10/14	Thu 12/25/14
6	Address Public Comments		5 days	Fri 12/26/14	Thu 1/1/15
7	NYSDEC Approves RAWP		1 day	Fri 1/2/15	Fri 1/2/15
8	**Remedial Design & Contract Documents**	**$30,000**	**85 days**	**Mon 1/5/15**	**Fri 5/1/15**
9	Prepare Remedial Design/Bid Documents		20 days	Mon 1/5/15	Fri 1/30/15
10	SCDPW Contracting		65 days	Mon 2/2/15	Fri 5/1/15
11	**Remedial Action (Includes Oversight)**	**$685,000**	**100 days**	**Mon 5/4/15**	**Fri 9/18/15**
12	10 Day Notification		10 days	Mon 5/4/15	Fri 5/15/15
13	Mobilization		5 days	Mon 5/18/15	Fri 5/22/15
14	Clearing and Grubbing		5 days	Mon 5/25/15	Fri 5/29/15
15	Soil Excavation & Removal		20 days	Mon 6/1/15	Fri 6/26/15
16	Endpoint Sampling		20 days	Mon 6/8/15	Fri 7/3/15
17	Additional Soil Excavation & Removal		10 days	Mon 6/29/15	Fri 7/10/15
18	Additional Endpoint Sampling		10 days	Mon 7/6/15	Fri 7/17/15
19	Backfill		10 days	Mon 7/20/15	Fri 7/31/15
20	Install Soil Cap and Perimeter Fence		15 days	Mon 8/3/15	Fri 8/21/15
21	Demobilization		20 days	Mon 8/24/15	Fri 9/18/15
22	**Site Management Plan**	**$15,000**	**80 days**	**Mon 9/21/15**	**Fri 1/8/16**
23	Preparation of Draft SMP		30 days	Mon 9/21/15	Fri 10/30/15
24	SCDHS Review of Draft SMP		5 days	Mon 11/2/15	Fri 11/6/15
25	NYSDEC Review of Draft SMP		30 days	Mon 11/9/15	Fri 12/18/15
26	Address NYSDEC Comments & Resubmit		15 days	Mon 12/21/15	Fri 1/8/16
27	**Final Engineering Report**	**$20,000**	**46 days**	**Mon 9/21/15**	**Mon 11/23/15**
28	Preparation of Final Engineering Report		40 days	Mon 9/21/15	Fri 11/13/15
29	Preparation of FER Fact Sheet		5 days	Mon 9/21/15	Fri 9/25/15
30	SCDHS Review of Draft FER & Fact Sheet		5 days	Mon 9/28/15	Fri 10/2/15
31	NYSDEC Review of Draft FER & Fact Sheet		30 days	Mon 10/5/15	Fri 11/13/15
32	Address NYSDEC Comments & Resubmit		5 days	Mon 11/16/15	Fri 11/20/15
33	Issue Fact Sheet to CPP Distribution List		1 day	Mon 11/23/15	Mon 11/23/15
34	**Easement Preparation**	**$5,000 + SC Direct Costs**	**106 days**	**Mon 9/21/15**	**Mon 2/15/16**
35	Legal Counsel begin Easment preparation with NYSDEC		40 days	Mon 9/21/15	Fri 11/13/15
36	Submit Draft Easement to NYSDEC		1 day	Mon 11/16/15	Mon 11/16/15
37	Finalize Easement		65 days	Tue 11/17/15	Mon 2/15/16
38	**Issuance of Certificate of Completion**	**$2,500**	**10 days**	**Tue 11/24/15**	**Mon 12/7/15**
39	NYSDEC Issues Certificate of Completion		1 day	Tue 11/24/15	Tue 11/24/15
40	Prepare and Issue COC Fact Sheet		10 days	Tue 11/24/15	Mon 12/7/15



Project: Canine Kennel 8-7-2014
Date: Thu 8/7/14

Task — Progress — Summary — External Tasks — Deadline
Split — Milestone — Project Summary — External Milestone

Note: Post Remedial Operation, Maintenance and Monitoring (20 Years) is Estimated at $100,000