



## **Supplemental Remedial Investigation Workplan**

**For:**

**White Plains Chrysler Car Dealership  
70 Westchester Avenue  
White Plains, New York  
NYSDEC BCP Site # C360209**

**Prepared for:**

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## CERTIFICATIONS

*I, Fuad Dahan, certify that I am a professional engineer, and meet the definition of qualified environmental professional as defined in 6 NYCRR Part 375 and that this Supplemental Remedial Investigation Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).*

Fuad Dahan

9/6/2022

NJ Professional Engineer #  
090531

Date



Signature

It is a violation of Article 130 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 130, New York State Education Law.

## LIST OF ACRONYMS

Acronym	Definition
AWQS	Ambient Water Quality Standards
BCP	Brownfield Cleanup Program
bgs	Below ground surface
CSCOs	Commercial Soil Cleanup Objectives
DER	Division of Environmental Remediation
DER-10	NYSDEC Technical Guidance for Site Investigation & Remediation
MW	Monitoring Well
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PFAS	Per and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
PHC	Petroleum Hydrocarbon
PID	Photoionization Detector
ppt	parts per trillion
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RRSCO	Restricted Residential Soil Cleanup Objectives
SCG	Standards, Criteria, and Guidance
SCO	Soil Cleanup Objectives
SESI	SESI Consulting Engineers, DPC
SRIWP	Supplemental Remedial Investigation Work Plan
SVOCs	Semi-Volatile Organic Compounds
TAL	Target Analyte List
TCE	Trichloroethene
TOGS	Technical and Operations Guidance Series
USCOs	Unrestricted Soil Cleanup Objectives
VOCs	Volatile Organic Compounds

## 1.0 INTRODUCTION

The White Plains Chrysler Car Dealership Site (herein referred to as the “Site”) was accepted into the New York Brownfield Cleanup Program (BCP) by the New York State Department of Environmental Conservation (NYSDEC) on May 18, 2021, and is known as BCP Site No. C360209. The Site is approximately 1.826 acres in size and is bound by Franklin Avenue and retail businesses to the north, the White Coach Diner to the west, Westchester Avenue and the Westchester Mall to the south, and a closed car dealership to the east.

SESI Consulting Engineers DPC (SESI) has prepared this Supplemental Remedial Investigation Work Plan (SRIWP) to further investigate the nature and extent of contamination requiring remediation at the Site. This document comprises an addendum to the Remedial Investigation Work Plan (RIWP) which was last revised in October 2021, and approved by NYSDEC on October 13, 2021. The completed and proposed actions in the RIWP were conducted and prepared pursuant to NYSDEC’s Technical Guidance for Site Investigation and Remediation (DER-10). All the proposed work in this document will be conducted under the governing documents including the Health and Safety Plan, Quality Assurance Project Plan, and the Community Air Monitoring Plan, which were approved with the RIWP. Specifically, the SRIWP addresses the NYSDEC Remedial Investigation Report (RIR) comment letter, dated May 12, 2022 and Supplemental Remedial Investigation Workplan letter, dated July 11, 2022, and SESI response to DEC comments in a letter dated August 26, 2022.

This SRIWP has been prepared to achieve the following objectives:

- To complete the delineation of the nature and extent of contamination on the Site,
- To determine the remedial action needed to protect human health and the environment,  
and
- To collect sufficient data to advance the remediation of the Site.

## **2.0 COMPLETED REMEDIAL INVESTIGATION SUMMARY**

### **2.1 FIELD REMEDIAL INVESTIGATION**

The Remedial Investigation (RI) was conducted in November and December 2021 in accordance with SESI's RIWP, which was approved by the NYSDEC on October 13, 2021. The RI consisted of collecting 49 soil samples from 10 soil borings, eight (8) groundwater samples from seven (7) newly installed monitoring wells and one (1) existing monitoring well, six (6) soil/sub-slab vapor samples from six (6) vapor sampling points, one (1) ambient air sample and one (1) indoor air sample. SESI submitted a draft RIR in April 2022 that presented the findings of the RI and previous investigations conducted at the Site. A summary of these investigations is presented below.

### **2.2 REMEDIAL INVESTIGATION SAMPLING RESULTS SUMMARY**

Based on the field investigation, soil petroleum hydrocarbon (PHC) SVOCs and metals were identified Sitewide at concentrations exceeding the restricted residential soil cleanup objectives (RRSCOs) and/or commercial soil cleanup objectives (CSCOs) to depths of 16 feet below ground surface (ft-bgs). PHC VOCs were identified at concentrations exceeding the RRSCOs to depths of 17 ft-bgs northwest of the eastern building. Pesticides exceeding the unrestricted use soil cleanup objectives (USCOs) were identified to depths of 9 ft-bgs and polychlorinated biphenyls (PCBs) to depths of 5 ft-bgs. Finally, the emerging contaminant perfluorooctanesulfonic acid (PFOS) was detected at concentrations exceeding the USCOs to depths of 5 ft-bgs.

In groundwater, the SVOCs benzo(a)anthracene, benzo(1)pyrene, benzo(b) fluoranthene, benzo(k)fluoranthene, bis(2-Ethylhexyl)phthalate, fluoranthene, chrysene, fluoranthene, ideno(1,2,3-cd)pyrene, pentachlorophenol, and phenol were detected at concentrations exceeding the NYSDEC Technical and Operational Guidance Series ,1.1.1 (TOGS) Class GA Ambient Water Quality Standards and Guidance Values (AWQS). The metals barium, chromium, copper, iron, lead, magnesium, manganese, nickel, selenium, sodium, and vanadium were detected in a least one (1) well at concentrations exceeding the AWQS. Finally, perfluorooctanoic acid (PFOA) and PFOS were detected at concentrations exceeding the NYSDEC groundwater screening level of 10 ppt (parts per trillion).

In soil vapor the highest concentration of PHC VOCs was detected north of the northeastern building (RI-SV4), with benzene at a concentration of 4.89 ug/m<sup>3</sup>, toluene at a concentration of 36.9 ug/m<sup>3</sup>, ethanol at a concentration of 237 ug/m<sup>3</sup>, ethylbenzene at a concentration of 6.08

ug/m<sup>3</sup>, 2-butanone at a concentration of 66.9 ug/m<sup>3</sup>, tertiary butyl alcohol (TBA) at a concentration of 26.7 ug/m<sup>3</sup>, and total xylene concentration of 30.03 ug/m<sup>3</sup>.

The highest concentration of chlorinated VOCs was detected in sample RI-SV2, with cis-1,2 DCE at a concentration of 85.2 ug/m<sup>3</sup>, and trichloroethene (TCE) detected at 216 ug/m<sup>3</sup>. TCE was detected in RI-SV6 at a concentration of 8.33 ug/m<sup>3</sup>, and carbon tetrachloride was detected in RI-SV3 at a concentration of 34.9 ug/m<sup>3</sup>. These chlorinated VOCs exceed the Matrix A and B lower threshold levels. The concentration of the collocated indoor air sample RI-IA1 was below detection limits for cis-1,2 DCE and TCE, and 0.409 ug/m<sup>3</sup> for carbon tetrachloride. When compared to the New York State Department of Health (NYSDOH) Decision Matrices, the concentrations of cis-1,2 DCE and TCE detected in RI-SV2 fall within the "Mitigate" category.

In addition, the prior investigation conducted by SESI (September 2020) detected carbon tetrachloride, TCE, and tetrachloroethene (PCE) in soil vapor. Specifically, carbon tetrachloride was detected as high as 17.6 ug/m<sup>3</sup> (SV-9), PCE as high as 834 ug/m<sup>3</sup> (SV-8) and TCE as high as 4.13 ug/m<sup>3</sup> beneath the Site's buildings and TCE as high as 8.55 ug/m<sup>3</sup> beneath the western parking lot. For the collocated indoor samples, the concentrations were below detection limits for TCE. When compared to the NYSDOH Decision Matrices, the concentrations of PCE detected in vapor samples SV-7 and SV-8 exceed the Matrix A and B lower threshold levels and fall within the "Mitigate" category.

### 3.0 PROPOSED SUPPLEMENTAL REMEDIAL INVESTIGATION

Soil borings and groundwater monitoring wells are proposed to complete the nature and extent delineation of contaminated soil and groundwater on the Site in accordance with the NYSDEC letter of May 12, 2022. The additional RI will consist of collecting 46 soil samples from 10 soil borings and collecting seven (7) groundwater samples from seven(7) new monitoring wells. The applicable standards criteria and guidance (SCGs) for the Site soil are the USCOs for the planned Track.1 cleanup. The applicable SCGs for the Site groundwater are the TOGS GA AWQS and the screening levels for PFOA and PFOS (NYSDEC Guidelines for Sampling and Analysis of PFAS, June 2021).

#### 3.1 SUPPLEMENTAL SOIL REMEDIAL INVESTIGATION

A total of 10 soil borings will be performed on the Site to delineate impacts to soil previously identified in borings RI-SB4, RI-SB5, S-6, S-13, S-14 and S-20. The depth of each boring will extend to 20 ft-bgs. Soil samples will be collected at 5-foot depth intervals or at the depth intervals that appear to be most contaminated based on visual observations, photoionization detector (PID) readings and olfactory observations or based upon prior sampling results in nearby borings. The soil sampling will be conducted as described in the approved RIWP. Boring logs documenting soil classifications and PID readings will be provided in the final report.

The soil samples will be sent to a NYSDOH Environmental laboratory Accreditation Program (ELAP)-certified laboratory under chain-of-custody. The samples will be analyzed for SVOCs by EPA Method 8270D and lead in accordance with EPA Method 6010C. The proposed soil sample locations and the rationale for their locations are presented in **Table 3.1** below. The proposed soil boring locations are shown on **Figure 3.1A**.

**Table 3.1: Soil Sampling Summary**

Sample Name	Sample Depth	Boring Depth	Description	Sample Media	Sample Type	Analysis
RI-SB11	0-2-inch	20	Delineation of boring S-6	Soil	Grab	SVOCs, Lead
	4.5-5.1					
	7.5-8.1					
	11-11.5.1					
	16.5-17.1					
RI-SB12	0-2-inch	20	Delineation of boring S-6	Soil	Grab	SVOCs, Lead
	4.5-5.1					
	7.5-8.1					
	11-11.5.1					
	16.5-17.1					



Sample Name	Sample Depth	Boring Depth	Description	Sample Media	Sample Type	Analysis
RI-SB13	0-2-inch	20	Delineation of boring RI-SB4	Soil	Grab	SVOCs, Lead
	4.5-5.'					
	7.5-8'					
	11-11.5'					
	16.5-17'					
RI-SB14	0-2-inch	20	Delineation of boring RI-SB4	Soil	Grab	SVOCs, Lead
	4.5-5.'					
	7.5-8'					
	11-11.5'					
	16.5-17'					
RI-SB15	0-2-inch	20	Delineation of boring RI-SB5	Soil	Grab	SVOCs, Lead
	4.5-5.'					
	7.5-8'					
	11-11.5'					
	16.5-17'					
RI-SB16	0-2-inch	20	Delineation of boring RI-SB5 and RI-SB6	Soil	Grab	SVOCs, Lead
	4.5-5.'					
	7.5-8'					
	11-11.5'					
	16.5-17'					
RI-SB17	2-2.5	20	Delineation of boring S-19 and RI-SB6	Soil	Grab	SVOCs, Lead
	6.5-7.5					
	11-11.5'					
	16.5-17'					
RI-SB18	2-2.5	20	Delineation of boring S-14	Soil	Grab	SVOCs, Lead
	6.5-7.5					
	11-11.5'					
	16.5-17'					
RI-SB19	2-2.5	20	Delineation of boring S-14	Soil	Grab	SVOCs, Lead
	6.5-7.5					
	11-11.5'					
	16.5-17'					
RI-SB20	3-3.5	20	Delineation of boring S-13 and RI-SB8	Soil	Grab	SVOCs, Lead
	7.5-8					
	11-11.5'					
	16.5-17'					

### 3.2 SUPPLEMENTAL GROUNDWATER INVESTIGATION

Seven (7) additional monitoring wells will be installed at the Site (RI-MW7 through RI-MW13) for delineation of impacts identified in samples RI-MW3, RI-MW6, GW-3, GW-5, and TWP-CD-19. Groundwater samples will be collected from the and seven (7) new monitoring wells. The groundwater samples will be sent to a NYSDOH ELAP-certified laboratory under chain-of-custody. The samples collected from monitoring wells RI-MW7, RI-MW9, RI-MW11, RI-MW12, and RI-MW13 will be analyzed for PFAS by EPA Method 537 by EPA Method 8270D SIM. Sample collected from monitoring well RI-MW8 will be analyzed for VOC by EPA Method 8260

and SVOCs by EPA Method 8270D SIM. The proposed groundwater sample locations and the rationale for their locations are presented in **Table 3.2** below. The proposed groundwater sample locations are shown on **Figure 3.2A**.

**Table 3.2: Summary of Groundwater Sampling**

Well ID	Description	Total Depth (ft)	Screen Diameter (in.)	Screen length (ft)	Analysis
RI-MW7	Proposed New Well Downgradient of RI-MW6	20	1	10' (10-20')	PFAS
RI-MW8	Proposed New Well Downgradient of TWP-CD19	20	1	10' (10-20')	VOCs, SVOCs
RI-MW9	Proposed New Well Downgradient of MW-B15	20	1	10' (10-20')	PFAS
RI-MW10	Proposed New Well Downgradient of GW-5	20	1	10' (10-20')	Lead
RI-MW11	Proposed New Well Upgradient of RI-MW-5	25	1	10' (15-25')	PFAS
RI-MW12	Proposed New Well Upgradient of RI-MW-3	20	1	10' (10-20')	PFAS
RI-MW13	Proposed New Well Upgradient of MW-B-7	20	1	10' (10-20')	PFAS

In addition, SESI will present the off-site downgradient groundwater samples collected at the eastern adjacent 80 Westchester Avenue pending BCP Site to delineate groundwater impacts separately identified on that Site and will have the data from this pending BCP site validated (DUSR and EDDs), and provide boring logs for all sample locations. The groundwater data from both sites to date is presented on **Figure 3.2A**.

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## Figures

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N:\ACAD\11444\CAD\RWP\11444 - FIG-3.1A - SOIL SAMPLE LOCATION & CONCENTRATION PLAN.DWG 06/08/22 04:47:37PM, plan.wrd, LAYOUT: FIG-3.1A

STANDARDS TABLE

	USCO	RSCO	RRSCO	CSCO
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
VOCs				
Acetone	0.05	100	100	500
Ethylbenzene	1	30	41	390
Xylenes	0.26	100	100	500
SVOCs				
Benzo(a)anthracene	1	1	1	5.6
Benzo(a)pyrene	1	1	1	1
Benzo(b)fluoranthene	1	1	1	5.6
Benzo(k)fluoranthene	0.8	1	1	3.9
Chrysene	1	1	1	3.9
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.58
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6
Pesticides				
Delta-BHC	0.04	100	100	500
Alpha-BHC	0.02	0.097	0.46	3.4
4,4'-DDE	0.0033	1.8	3.9	69
4,4'-DDT	0.0033	2.6	13	47
Metals				
Barium, Total	350	350	400	400
Copper, Total	50	270	270	270
Chromium, Total	30	36	180	1500
Lead, Total	63	400	400	1000
Mercury, Total	0.18	0.81	0.81	2.8
Nickel, Total	30	140	310	310
Zinc, Total	109	2200	10000	10000

LOCATION	RI-SB5 (0-2")
SAMPLING DATE	11/22/2021
Conc. (mg/kg) Q	
Benzo(b)fluoranthene	1.3
Indeno(1,2,3-cd)pyrene	0.76
Chromium, Total	65.9
Lead, Total	68.6
Nickel, Total	61.9
LOCATION	RI-SB5 (4.5-5")
SAMPLING DATE	11/22/2021
SAMPLE DEPTH (ft.)	44.5
Conc. (mg/kg) Q	
4,4'-DDE	0.00625
4,4'-DDT	0.0394
PCBs, Total	0.478
Benzo(a)anthracene	1.4
Benzo(a)pyrene	1.4
Benzo(b)fluoranthene	1.3
Chrysene	1.3
Indeno(1,2,3-cd)pyrene	1
LOCATION	RI-SB5 (6-6.5")
SAMPLING DATE	11/22/2021
Conc. (mg/kg) Q	
4,4'-DDT	0.0126
Benzo(a)anthracene	1.2
Benzo(a)pyrene	1.1
Benzo(b)fluoranthene	1.1
Chrysene	1.1
Indeno(1,2,3-cd)pyrene	0.82
Copper, Total	57.6
Lead, Total	109
Zinc, Total	201

Sample No.	S-14 (2.5-3.0)
Date Collected	3/2/2021
ANALYTE	Conc. (mg/kg)
Benzo(a)anthracene	1.6
Benzo(a)pyrene	1.4
Benzo(b)fluoranthene	1.5
Chrysene	1.5
Indeno(1,2,3-cd)pyrene	0.7
Lead, Total	66.3
Sample No.	S-14 (6.5-7.0)
Date Collected	3/2/2021
ANALYTE	Conc. (mg/kg)
Benzo(a)anthracene	2.6
Benzo(a)pyrene	2.3
Benzo(b)fluoranthene	1.1
Chrysene	0.91
Chrysene	2.4
Indeno(1,2,3-cd)pyrene	1.2
Mercury, Total	0.222
4,4'-DDE	0.018
4,4'-DDD	0.00484
Lead, Total	101

Sample No.	S-13 (3.3-5)
Date Collected	3/2/2021
ANALYTE	Conc. (mg/kg)
Benzo(a)anthracene	1.7
Benzo(a)pyrene	1.1
Benzo(b)fluoranthene	0.65
Chrysene	0.00442
4,4'-DDE	0.0101
4,4'-DDD	0.00101
Lead, Total	74.9
Mercury, Total	0.222
Sample No.	S-13 (7.5-8.0)
Date Collected	3/2/2021
ANALYTE	Conc. (mg/kg)
Benzo(a)anthracene	6.2
Benzo(a)pyrene	5.8
Benzo(b)fluoranthene	7.2
Benzo(k)fluoranthene	2.4
Chrysene	5.3
Dibenz(a,h)anthracene	0.72
Indeno(1,2,3-cd)pyrene	0.0122
4,4'-DDE	0.0122

LOCATION	RI-SB8 (0-2")
SAMPLING DATE	11/18/2021
Conc. (mg/kg) Q	
4,4'-DDE	0.0175
4,4'-DDD	0.0252
sk-Chlordane	0.223
Benzo(a)anthracene	1.4
Benzo(a)pyrene	1.7
Benzo(b)fluoranthene	1.7
Chrysene	1.3
Indeno(1,2,3-cd)pyrene	0.7
Chromium, Total	119
Lead, Total	156
Zinc, Total	156
LOCATION	RI-SB8 (6-6.5")
SAMPLING DATE	11/18/2021
Conc. (mg/kg) Q	
4,4'-DDD	0.00354

LOCATION	RI-SB1 (0-2")
SAMPLING DATE	11/23/2021
Conc. (mg/kg) Q	
4,4'-DDT	0.00664
LOCATION	RI-SB1 (16.5-17")
SAMPLING DATE	3/2/2021
Conc. (mg/kg) Q	
Chromium, Total	30.8

Sample No.	S-15 (2-2.5)
Date Collected	3/2/2021
ANALYTE	Conc. (mg/kg)
Nickel, Total	33.3
Chromium, Total	42.4
Sample No.	S-15 (6-6.5)
Date Collected	3/2/2021
ANALYTE	Conc. (mg/kg)
Lead, Total	85.6

SAMPLE ID:	S-4 (2.5-3)
DATE	9/10/2020
ANALYTE	Conc.
Barium, Total	634
Lead, Total	414

Sample No.	S-17 (6.5-7.0)
Date Collected	3/2/2021
ANALYTE	Conc. (mg/kg)
Barium, Total	133
Copper, Total	54.7
Chromium, Total	58.6
Lead, Total	258
Zinc, Total	840

Sample No.	S-16 (2-2.5)
Date Collected	3/2/2021
ANALYTE	Conc. (mg/kg)
4,4'-DDT	0.0177

LOCATION	RI-SB3 (0-2")
SAMPLING DATE	11/30/2021
Conc. (mg/kg) Q	
Copper, Total	179

SAMPLE ID:	S-5 (4.5-5)
DATE	9/10/2020
ANALYTE	Conc.
Benzo(a)pyrene	1.4
Benzo(b)fluoranthene	1.9
Benzo(k)fluoranthene	1.2
Chrysene	1.2
Indeno(1,2,3-cd)pyrene	1.3

SAMPLE ID:	CD-19 (16.5-17")
DATE	7/2/2015
ANALYTE	Conc.
Ethylbenzene	18
Xylenes, Total	200

SAMPLE ID:	S-7 (1.5-2)
DATE	9/11/2020
ANALYTE	Conc.
Copper, Total	970

LOCATION	RI-SB7 (0-2)
SAMPLING DATE	12/14/2021
Conc. (mg/kg) Q	
Lead, Total	172
Mercury, Total	0.269

Sample No.	S-20 (4.5-5)
Date Collected	3/4/2021
ANALYTE	Conc. (mg/kg)
Lead, Total	74.9
Mercury, Total	0.232
Zinc, Total	152

Sample No.	S-21 (2-2.5)
Date Collected	3/4/2021
ANALYTE	Conc. (mg/kg)
Chromium, Total	35.7

SAMPLE ID:	S-6 (2-2.5)
DATE	9/11/2020
ANALYTE	Conc.
Benzo(a)pyrene	1.1
Benzo(b)fluoranthene	1.2
Indeno(1,2,3-cd)pyrene	0.85

LOCATION	RI-SB10 (0-2")
SAMPLING DATE	12/14/2021
Conc. (mg/kg) Q	
Lead, Total	152
Mercury, Total	0.384
Zinc, Total	111

Sample No.	S-23 (2-2.5)
Date Collected	3/4/2021
ANALYTE	Conc. (mg/kg)
Mercury, Total	0.317
Zinc, Total	116

LOCATION	RI-SB9 (0-2)
SAMPLING DATE	12/14/2021
Results	Q
Perfluorooctanoic Acid (PFOA)	0.109
Perfluorooctanesulfonic Acid (PFOS)	1.39
Lead, Total	84.6

LOCATION	RI-SB2 (0-2")
SAMPLING DATE	11/30/2021
Conc. (mg/kg) Q	
4,4'-DDE	0.00809
4,4'-DDD	0.014
4,4'-DDT	0.00892
LOCATION	RI-SB2 (4.5-5)
SAMPLING DATE	11/30/2021
Conc. (mg/kg) Q	
Lead, Total	205
Zinc, Total	215
LOCATION	RI-SB2 (12.5-13)
SAMPLING DATE	11/30/2021
SAMPLE DEPTH (ft.)	12.5-13
Conc. (mg/kg) Q	
Copper, Total	105

LOCATION	RI-SB4 (0-2")
SAMPLING DATE	11/30/2021
Conc. (mg/kg) Q	
Acenaphthene	150
Fluoranthene	940
Naphthalene	140
Benzo(a)anthracene	350
Benzo(a)pyrene	330
Benzo(b)fluoranthene	390
Benzo(k)fluoranthene	150
Chrysene	320
Anthracene	260
Benzo(ghi)perylene	190
Fluorene	130
Phenanthrene	800
Dibenz(a,h)anthracene	45
Indeno(1,2,3-cd)pyrene	220
Pyrene	750
Dibenzofuran	75
Mercury, Total	0.312
LOCATION	RI-SB4 (4.5-5)
SAMPLING DATE	11/30/2021
Conc. (ug/kg) Q	
Perfluorooctanesulfonic Acid (PFOS)	1.06
LOCATION	RI-SB4 (4.5-5)
SAMPLING DATE	11/30/2021
Conc. (mg/kg) Q	
Benzo(a)anthracene	0.2
Benzo(a)pyrene	10
Benzo(b)fluoranthene	14
Benzo(k)fluoranthene	4.2
Chrysene	10
Dibenz(a,h)anthracene	1.6
Indeno(1,2,3-cd)pyrene	7.6
Lead, Total	449
Mercury, Total	0.347
Zinc, Total	360
LOCATION	RI-SB4 (12-12.5)
SAMPLING DATE	11/30/2021
Conc. (mg/kg) Q	
Lead, Total	129
Mercury, Total	0.239
Zinc, Total	127

LEGEND:

- - - - - PROPERTY LINE
- B-1 - SOIL BORINGS COMPLETED BY OTHERS (MARCH 2014)
- CD-01 - SOIL BORINGS COMPLETED BY OTHERS (JANUARY 2015)
- S-1 - SOIL BORINGS COMPLETED BY SESI (SEPTEMBER 2020)
- S-13 - SOIL BORINGS COMPLETED BY SESI (MARCH 2021)
- RI-SB-8 - REMEDIAL INVESTIGATION SOIL BORINGS (NOVEMBER/DECEMBER 2021)
- RI-SB11 - PROPOSED SUPPLEMENTAL REMEDIAL INVESTIGATION BORING

- 0.0177 - USCO - UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- 1 - RSCO - RESIDENTIAL SOIL CLEANUP OBJECTIVES
- 438 - RRSO - RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVES
- 634 - CSCO - COMMERCIAL SOIL CLEANUP OBJECTIVES

NOTE:  
THIS PLAN IS FOR LOCATING SOIL SAMPLING ONLY.  
OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

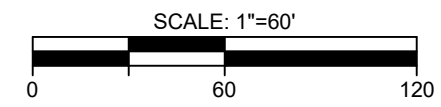
NYS Education Law  
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

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REFERENCE  
AERIAL MAP TAKEN FROM BING MAPS, DATED 2020.

WESTCHESTER AVENUE

FRANKLIN AVENUE



dwg by: aas  
chk by: SSG  
scale: AS NOTED  
date: 06/08/2022

SOILS / FOUNDATIONS  
SITE DESIGN  
ENVIRONMENTAL

**SESI**  
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12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

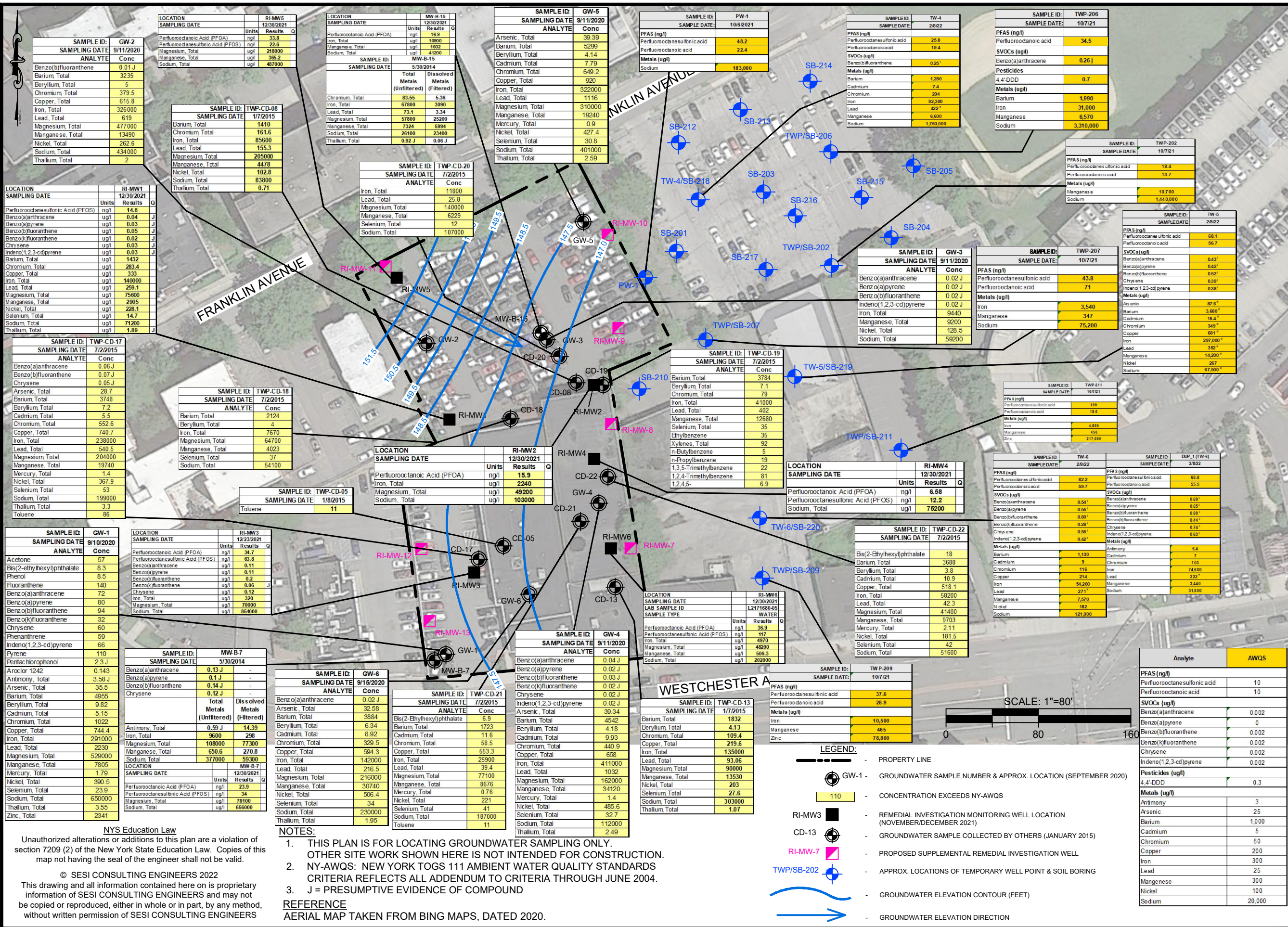
project: WHITE PLAINS CHRYSLER CAR DEALERSHIP SITE  
(BCP #C360209)  
70 WESTCHESTER AVENUE  
WHITE PLAINS, WESTCHESTER COUNTY, NY

title: PROPOSED SOIL SAMPLE LOCATION PLAN

job no: 11444  
drawing no:

**FIG-3.1A**





# WATER SAMPLING LOCATION CONCENTRATION PLAN

FIG-3.2A

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