

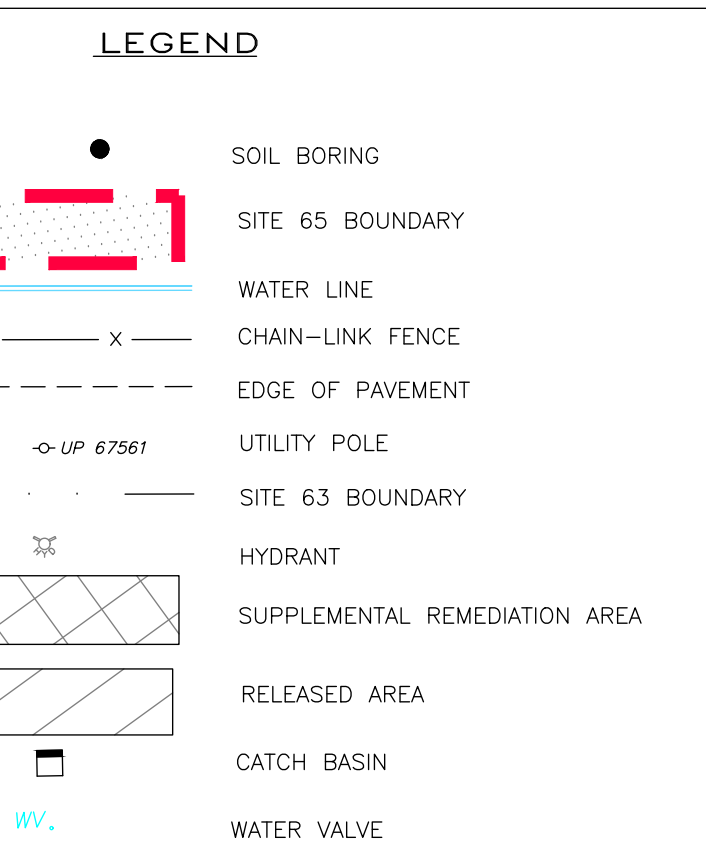
	TC_C				
	TC_C_1-1.5	TC_C_3-3.5	TC_C_4-5.5	TC_C_7-7.5	TC_C_9-9.5
Cr6+	0.42 NJ / 0.42 NJ	0.47 NJ / 0.47 NJ	1.7 NJ / 0.48 NJ	0.48 NJ / 0.48 NJ	0.48 NJ / 0.48 NJ
Cr3	18.1	17.4	40.8	23.8	36.8
Sb	<2.1 NJ	<2.3 NJ	<2.3 NJ	<2.3 NJ	<2.3 NJ
Ni	12.3	14	17.7	18.2	18.1
TI	<1.0	<1.1	<1.1	<1.1	<2.2*
V	26.5	22.9	45.5	37.3	41.5

	TC_C1				
	TC_C1_1-1.5	TC_C1_3-3.5	TC_C1_4-5.5	TC_C1_7-7.5	TC_C1_9-9.5
Cr6+	0.42 NJ / 0.42 NJ	0.47 NJ / 0.47 NJ	1.7 NJ / 0.48 NJ	0.48 NJ / 0.48 NJ	0.48 NJ / 0.48 NJ
Cr3	21.6	40.6	13.4	35	13.6
Sb	<2.1 NJ	<2.3 NJ	<2.5 NJ	<2.3 NJ	<2.2 NJ
Ni	16	22.2	8.9	20.3	10.7
TI	<1.0	<1.1	<1.3	<2.3*	<1.1
V	54.4	33.3	15.6	49	20.4

	TC_D				
	TC_D_1-1.5	TC_D_3-3.5	TC_D_4-5.5	TC_D_7-7.5	TC_D_9-9.5
Cr6+	0.42 NJ / 0.42 NJ	0.47 NJ / 0.47 NJ	1.7 NJ / 0.48 NJ	0.48 NJ / 0.48 NJ	0.48 NJ / 0.48 NJ
Cr3	32.2	66	55.2	25.5	17.7
Sb	<2.1 NJ	<2.3 NJ	<2.5 NJ	<2.4 NJ	<2.2 NJ
Ni	12.7	18.7	20.7	19.6	17.7
TI	<1.0	<1.2	<1.3	<1.2	<1.1
V	72.6	31.4	39.1	35	25.7

	TC_B				
	TC_B_1-1.5	TC_B_3-3.5	TC_B_4-5.5	TC_B_7-7.5	TC_B_9-9.5
Cr6+	0.42 NJ / 0.42 NJ	0.47 NJ / 0.47 NJ	1.7 NJ / 0.48 NJ	0.48 NJ / 0.48 NJ	0.48 NJ / 0.48 NJ
Cr3	169	32.9	33.2	8.9	16.9
Sb	<2.0	<2.3	<2.3 NJ	<2.8	<2.0 NJ
Ni	30	24.1	22.5	11.2	12.9
TI	<2.0*	<1.1	<1.2	<1.4	<1.1
V	102	27.3	27.3	37.7	26

	BRN01				
	BRN01_0-1	BRN01_2-3	BRN01_4-5	BRN01_6-7	BRN01 DUP06
Cr6+	0.61	2.3	4.56	6.57	8.59
Cr3	8.1	37.2	13.8	32.8	18.9
Sb	<2.0 NJ	<2.0 NJ	4.0	57.0	<2.2 NJ
Ni	25	10.1	29.2	22.1	14.3
TI	<1.0	<0.99	<1.0	<1.0	<1.1
V	36.4	11.2	16.7	38	29.1



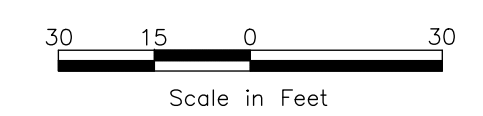
- Sources:**
- LOCATION OF UNDERGROUND WATER PIPE BASED ON SUBSURFACE UTILITY ENGINEERING MARKOUTS PERFORMED ON 11-7-17 BY MASER CONSULTING, P.A. AND FIELD MEASUREMENTS PROVIDED BY APTIM ENVIRONMENTAL & INFRASTRUCTURE ON 11-21-17.
  - MASER CONSULTING DID NOT PERFORM A BOUNDARY SURVEY. LOT 11 BOUNDARY IS BASED ON A SURVEY ENTITLED "BOUNDARY SURVEY OF LOT 11, BLOCK 21503, TAX MAP OF THE CITY OF JERSEY CITY, HUDSON COUNTY, STATE OF NEW JERSEY" PREPARED BY FARALDI GROUP, INC., DATED MAY 3, 2013.
  - HUDSON COUNTY CHROMATE REMEDIATION SITE NUMBER 063 IS LOCATED WITHIN LOT 11, BLOCK 21503, OWNER NISAN 12, LLC.
  - SOIL BORING LOCATIONS BY CB&I (APTIM) USING GPS.
  - THE GROUNDWATER ELEVATION USED FOR THE EVALUATION OF THE IMPACT TO GROUND WATER (IGW) EXPOSURE PATHWAY IS 5.2 FEET NAVD88.
- Reference:**
- "BURMA ROAD EXHIBIT" DRAWING NO. 14000646C BY MASER CONSULTING, PA. LAST REVISED ON DECEMBER 19, 2017.
- Footnote:**
- HORIZONTAL DATUM NAD 1983, VERTICAL DATUM NAVD88.

**Analytical Data Qualifiers:**  
 U or < - The analyte was not detected at the stated reporting limit.  
 J - The reported result is an estimated value.  
 N - The matrix spike sample recovery in the associated QC sample is not within QC limits.  
 J - The result is estimated and may be biased low.

**Footnotes:**  
 \* = Elevated detection limit due to dilution required for high interfering element  
 ft msl = feet mean sea level  
 ft bgs = feet below ground surface  
 mg/kg = milligram per kilogram  
 CCPW = Chromate Chemical Processing Waste  
 SPLP = Synthetic Precipitation Leaching Procedure  
**Result exceeded criteria**  
 For additional information regarding data qualifiers please review the provided Data Validation Reports.

Analyte	Default IGW SSL / (Site-Specific IGWSRS) (mg/kg)	RDC SRS / (ARS) (mg/kg)	CrSCC (mg/kg)
Cr6+	NA	NA	20
Cr3	NA	NA	120,000
Sb	6	31	NA
Ni	48 / (205*)	1,600	NA
TI	3	5	NA
V	NA	78 / (390**)	NA

**Remediation Criteria / Standards Notes:**  
 NA = Not Applicable  
 Default IGW SSL = Impact to Groundwater Soil Screening Level (November 2013)  
 IGWSRS = Impact to Groundwater Soil Remediation Standard  
 RDC SRS = Residential Direct Contact Soil Remediation Standards (September 2017)  
 ARS = Alternative Remediation Standard  
 CrSCC = Chromium Soil Cleanup Criteria (September 2008, revised April 2010)  
 mg/kg = milligram per kilogram  
 \*Nickel Site-Specific IGWSRS calculated using SPLP laboratory methods  
 \*\* The use of the USEPA Regional Soil Screening Level of 390 mg/kg for vanadium is proposed as an alternative remediation standard for the site. Based on: <https://www.epa.gov/risk/regional-screening-levels-rsls-users-guide-november-2015>



**APTIM** Aptim Environmental & Infrastructure, LLC  
 200 Horizon Center  
 Trenton, New Jersey 08691

DESIGNED BY: PPG  
 HUDSON COUNTY, NEW JERSEY

DRAWN BY: A.Y.  
 CHECKED BY: C. Leavy  
 APPROVED BY: C. Leavy

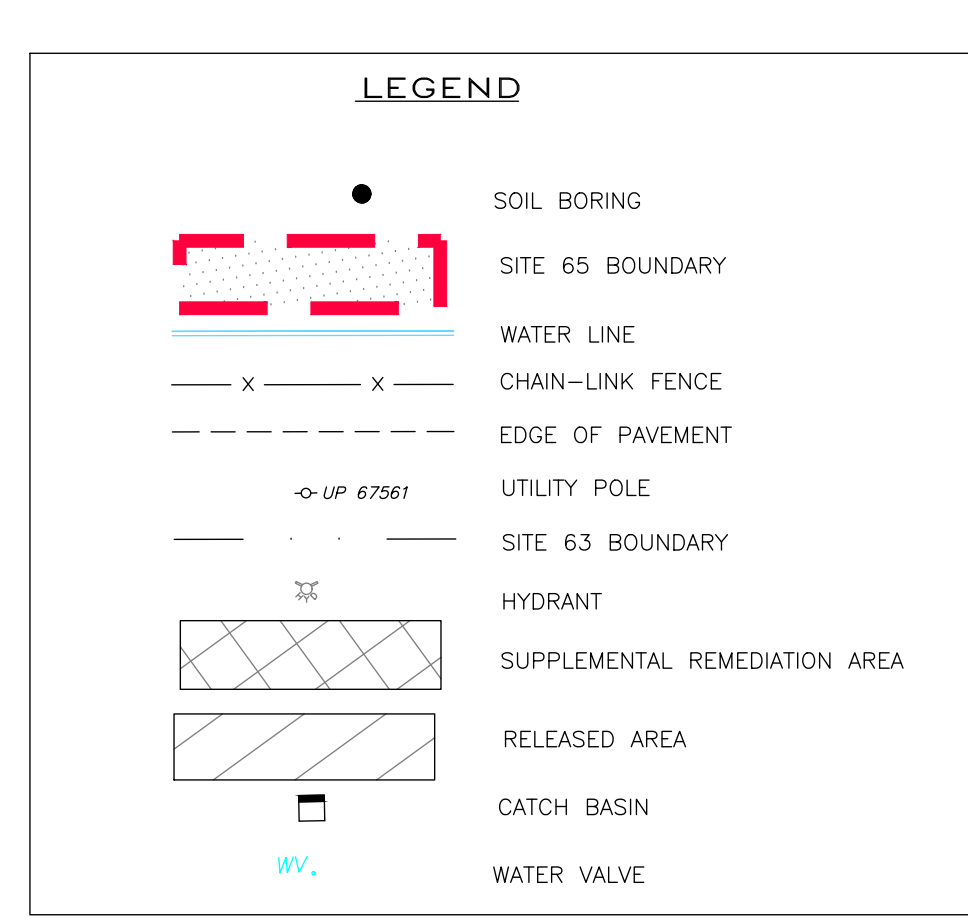
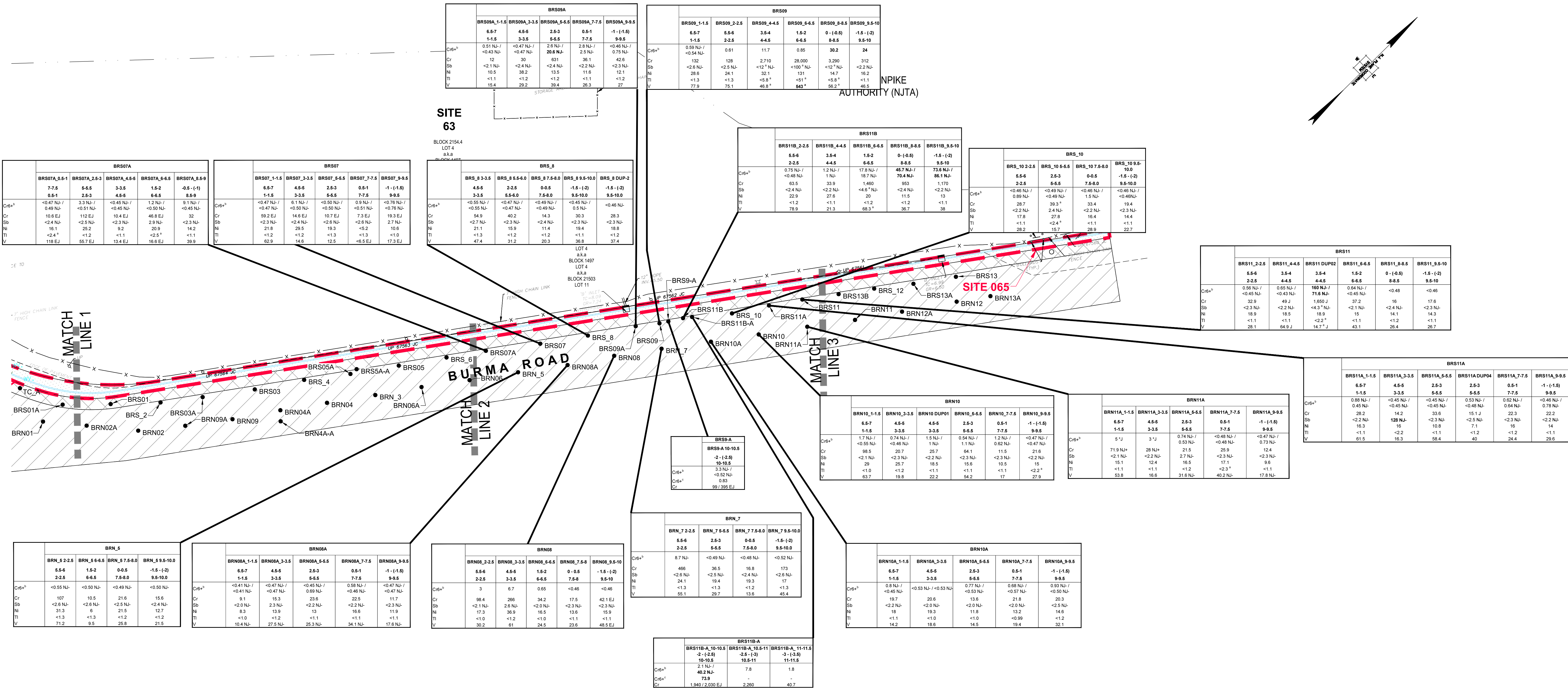
DATE: 2/26/19  
 SCALE: AS SHOWN  
 DRAWING NO.: 151136-D34-1  
 SHEET: 2 of 5

FIGURE 2  
 BURMA ROAD, MORRIS PESIN DRIVE, AND TRAFFIC CIRCLE SOIL SAMPLE LOCATIONS  
 JERSEY CITY, NEW JERSEY









**Sources:**

- LOCATION OF UNDERGROUND WATER PIPE BASED ON SUBSURFACE UTILITY ENGINEERING MARKOUTS PERFORMED ON 11-7-17 BY MASER CONSULTING, P.A. AND FIELD MEASUREMENTS PROVIDED BY APTIM ENVIRONMENTAL & INFRASTRUCTURE ON 11-21-17.
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**Reference:**

- "BURMA ROAD EXHIBIT" DRAWING NO. 14000664C BY MASER CONSULTING, PA. LAST REVISED ON DECEMBER 19, 2017.

**Footnote:**

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 \*J - Duplicate analysis not within control limits; result is estimated with indeterminate bias direction.

**Footnotes:**

<sup>1</sup> = Elevated detection limit due to dilution required for high interfering element  
<sup>2</sup> Analyzed using Method 7196A  
 ft msl = feet mean sea level  
 ft bgs = feet below ground surface  
 mg/kg = milligram per kilogram  
 CCPW = Chromate Chemical Processing Waste  
 SPLP = Synthetic Precipitation Leaching Procedure  
**Result exceeded criteria**  
 For additional information regarding data qualifiers please review the provided Data Validation Reports.

Location	Sample ID	Default IGW SSL / (Site-Specific IGWSRS)	RDC SRS / (ARS) (mg/kg)	CrSCC (mg/kg)
Sample Elevation:	ft msl			
Sample Depths:	ft bgs			
Hexavalent Chromium (Cr6+)	Exceedance milligrams per kilogram			
Total Chromium (Cr)	mg/kg	NA	NA	20
Antimony (Sb)	mg/kg	NA	NA	120,000
Nickel (Ni)	mg/kg	6	31	NA
Thallium (Tl)	mg/kg	48 / (205) <sup>1</sup>	1,600	NA
Vanadium (V)	mg/kg	3	5	NA
		NA	78 / (390) <sup>**</sup>	NA

**Remediation Criteria / Standards Notes:**

NA = Not Applicable  
 Default IGW SSL = Impact to Groundwater Soil Screening Level (November 2013)  
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 ARS = Alternative Remediation Standard  
 CrSCC = Chromium Soil Cleanup Criteria (September 2008, revised April 2010)  
 mg/kg = milligrams per kilogram  
<sup>1</sup>Nickel Site-Specific IGWSRS calculated using SPLP laboratory methods  
<sup>\*\*</sup>The use of the USEPA Regional Soil Screening Level of 390 mg/kg for vanadium is proposed as an alternative remediation standard for the site. Based on: <https://www.epa.gov/risk/regional-screening-levels-rsls-users-guide-november-2015>

**APTIM**  
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DESIGNED BY: PPG  
 HUDSON COUNTY, NEW JERSEY

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 CHECKED BY: C. Leavy  
 APPROVED BY: C. Leavy

DATE: 2/26/19  
 SCALE: AS SHOWN  
 DRAWING NO. 151136-D34-1  
 SHEET 4 of 5

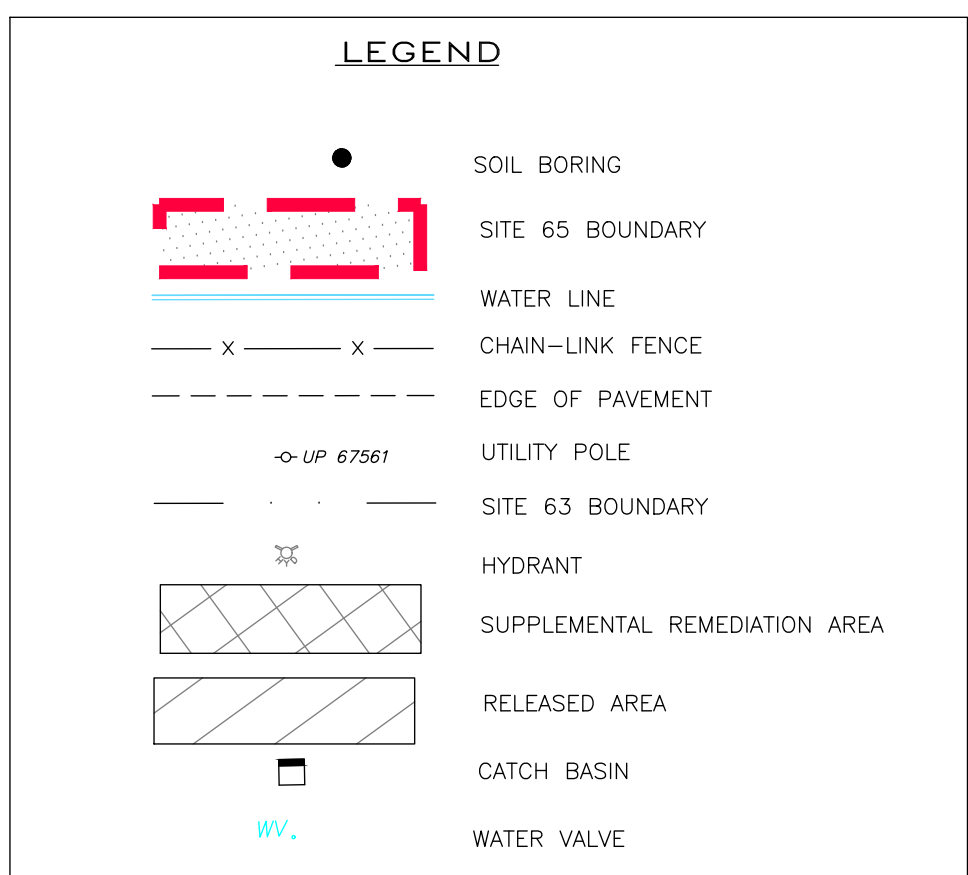
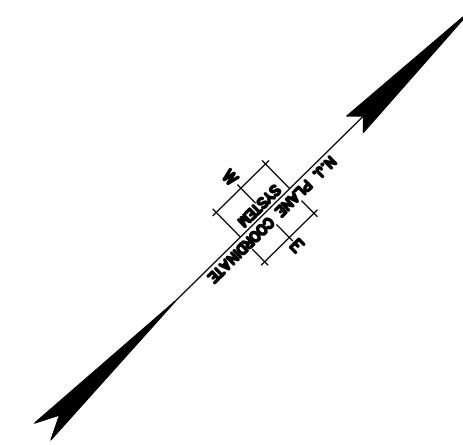
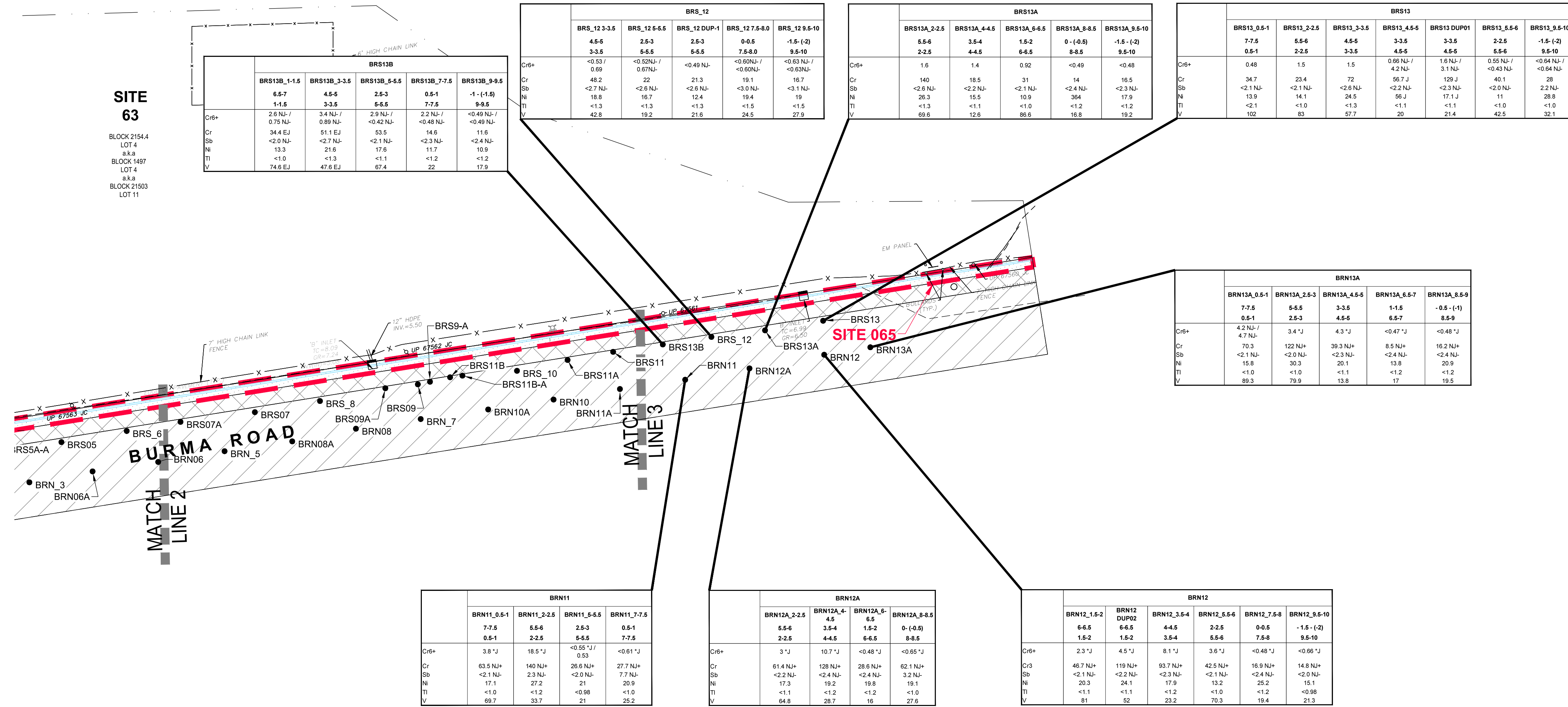
FIGURE 2  
 BURMA ROAD, MORRIS PESIN DRIVE, AND TRAFFIC CIRCLE SOIL SAMPLE LOCATIONS  
 JERSEY CITY, NEW JERSEY

File: N:\Projects\151136-D34-1\Drawings\151136-D34-1.dwg  
 Plot Date: 2/26/19 10:00 AM  
 Plot By: Andrew Tomczak



**SITE 63**

BLOCK 2154.4  
LOT 4  
8x9  
BLOCK 1427  
LOT 4  
8x9  
BLOCK 1523  
LOT 11



- Sources:**
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- Reference:**
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- Footnote:**
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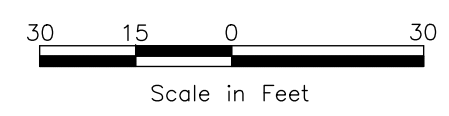
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		Aptim Environmental & Infrastructure, LLC 200 Horizon Center Trenton, New Jersey 08691	
DESIGNED BY:	--	PPG HUDSON COUNTY, NEW JERSEY	
DRAWN BY:	A.Y.	FIGURE 2 CCPW METALS BURMA ROAD, MORRIS PESIN DRIVE, AND TRAFFIC CIRCLE SOIL SAMPLE LOCATIONS JERSEY CITY, NEW JERSEY	
CHECKED BY:	C. Leavy	APPROVED BY:	C. Leavy
DATE:	2/26/19	SCALE:	AS SHOWN
DRAWING NO.	151136-D34-1	SHEET	5 of 5