

- 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 APTM 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 (GW) RESPONSE PATHWAY IS 5.2 FEET NAVD88.
- Reference:**
- "BURMA ROAD EXHIBIT" DRAWING NO. 14006664C BY MASER CONSULTING, P.A. LAST REVISED ON DECEMBER 19, 2017.
- Footnote:**
- HORIZONTAL DATUM NAD 1983, VERTICAL DATUM NAVD88.

**Analytical Data Qualifiers:**

- ND - The analyte was not detected at the stated reporting limit.
- NL - Matrix spike recovery below control limits, result is an estimated value with potential low bias.
- R - The reported result is an estimated value.
- ED - No detection or interference, indeterminate bias.
- EU - The reported value is estimated because of the presence of interference, indeterminate bias.

**Notes:**

- \* Elevated detection limit due to data required for high intensity screening.
- RM - Result may not be used.
- NL - Matrix spike recovery below control limits, result is an estimated value with potential low bias.
- R - The reported result is an estimated value.
- ED - No detection or interference, indeterminate bias.
- EU - The reported value is estimated because of the presence of interference, indeterminate bias.

**Non-Residential Direct Contact Soil Remediation Standard (mg/kg)**

Element	Standard
Aluminum	15,000
Arsenic	6,000
Barium	15,000
Beryllium	2,100
Cadmium	78
Chromium	100,000
Copper	1,000
Iron	45,000
Magnesium	400
Manganese	400
Mercury	1,000
Nickel	1,000
Potassium	25,000
Selenium	300
Silver	570
Sodium	70
Thallium	10
Vanadium	1,100
Zinc	10,000

**Residential Direct Contact Soil Remediation Standard (mg/kg)**

Element	Standard
Aluminum	15,000
Arsenic	6,000
Barium	15,000
Beryllium	2,100
Cadmium	78
Chromium	100,000
Copper	1,000
Iron	45,000
Magnesium	400
Manganese	400
Mercury	1,000
Nickel	1,000
Potassium	25,000
Selenium	300
Silver	570
Sodium	70
Thallium	10
Vanadium	1,100
Zinc	10,000

**Default Impact to Surrounding Soil Screening Level (mg/kg)**

Element	Standard
Aluminum	15,000
Arsenic	6,000
Barium	15,000
Beryllium	2,100
Cadmium	78
Chromium	100,000
Copper	1,000
Iron	45,000
Magnesium	400
Manganese	400
Mercury	1,000
Nickel	1,000
Potassium	25,000
Selenium	300
Silver	570
Sodium	70
Thallium	10
Vanadium	1,100
Zinc	10,000

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

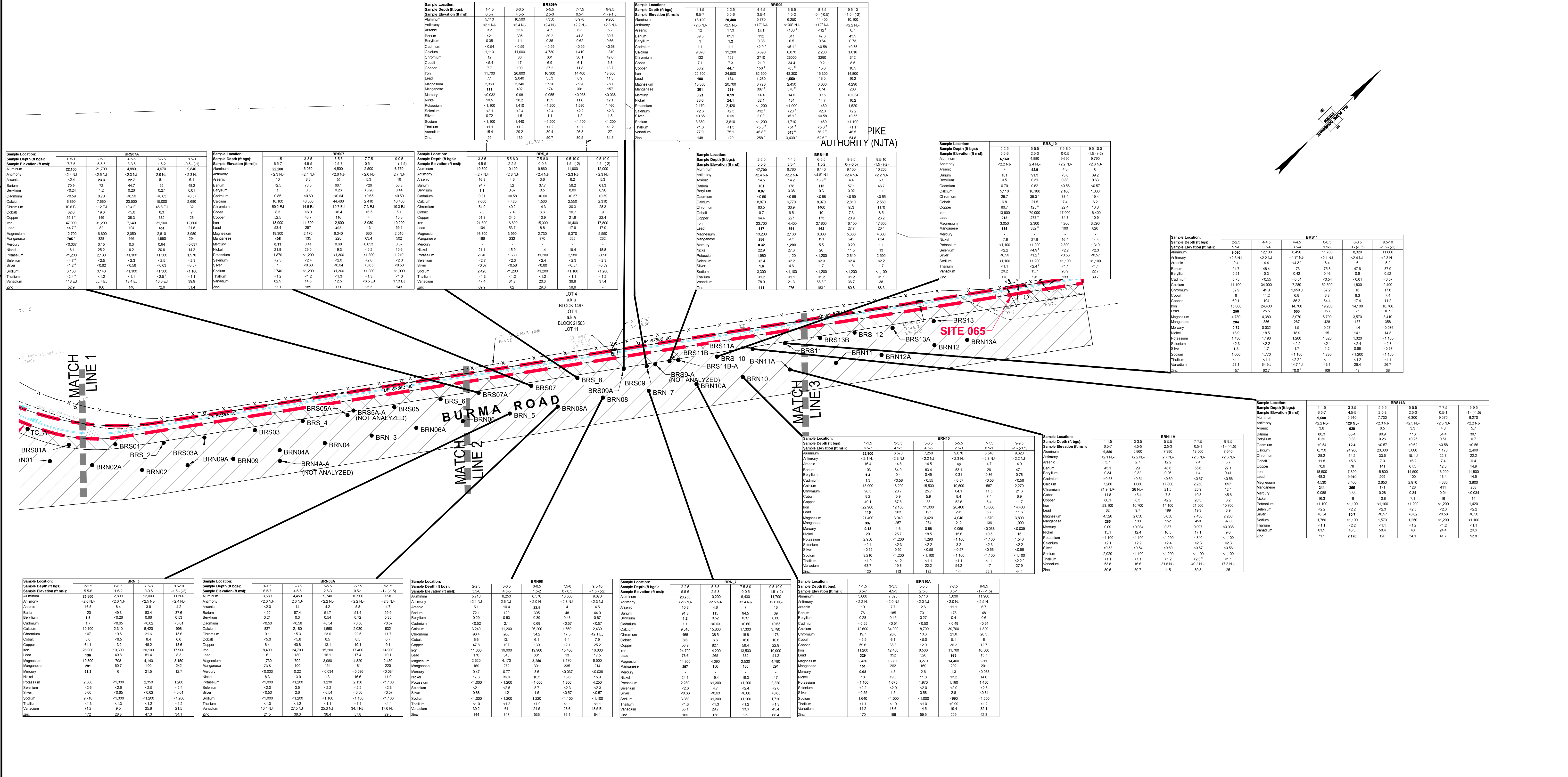
DESIGNED BY: PPG  
HUDSON COUNTY, NEW JERSEY

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

DATE: 2/27/19  
SCALE: AS SHOWN  
DRAWING NO. 151136-D32-1  
FIGURE 2 of 4

**FIGURE 3**  
TARGET ANALYTE LIST METALS  
BURMA ROAD, MORRIS PESIN DRIVE, AND TRAFFIC  
CIRCLE SOIL SAMPLE LOCATIONS  
JERSEY CITY, NEW JERSEY

Scale in Feet: 0 15 30



**LEGEND**

- SOIL BORING
- SITE 65 BOUNDARY
- WATER LINE
- CHAIN-LINK FENCE
- EDGE OF PAVEMENT
- UTILITY POLE
- SITE 63 BOUNDARY
- HYDRANT
- SUPPLEMENTAL REMEDIATION AREA
- RELEASED AREA
- CATCH BASIN
- WATER VALVE

- Sources:**
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**ANALYTICAL DATA QUALIFIERS:**

The analyte was not detected at the stated reporting limit.

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J - The reported result is an estimated value.

EQ - The reported value is estimated because of the presence of interference; intermediate bias.

**Non-Residential Direct Contact Soil (NDCS) Standard**

Element	Standard
Aluminum	400
Antimony	19
Barium	50,000
Beryllium	10
Cadmium	78
Calcium	-
Chromium	10,000
Cobalt	1,000
Copper	45,000
Iron	800
Lead	800
Magnesium	5,000
Manganese	65
Mercury	25,000
Nickel	1,000
Potassium	5,700
Selenium	5,700
Silver	5,700
Sodium	1,000
Sulfur	1,000
Thallium	100
Vanadium	100
Zinc	10,000

**Residential Direct Contact Soil (RDCS) Standard**

Element	Standard
Aluminum	15,000
Antimony	19
Barium	15,000
Beryllium	2
Cadmium	2
Calcium	-
Chromium	10,000
Cobalt	1,000
Copper	3,000
Iron	800
Lead	800
Magnesium	5,000
Manganese	65
Mercury	25,000
Nickel	1,000
Potassium	5,700
Selenium	5,700
Silver	5,700
Sodium	1,000
Sulfur	1,000
Thallium	100
Vanadium	100
Zinc	10,000

**Default Report to Greenwater Soil Screening Level**

Element	Standard
Aluminum	15,000
Antimony	19
Barium	15,000
Beryllium	2
Cadmium	2
Calcium	-
Chromium	10,000
Cobalt	1,000
Copper	3,000
Iron	800
Lead	800
Magnesium	5,000
Manganese	65
Mercury	25,000
Nickel	1,000
Potassium	5,700
Selenium	5,700
Silver	5,700
Sodium	1,000
Sulfur	1,000
Thallium	100
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**Aptim Environmental & Infrastructure, LLC**  
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Trenton, New Jersey 08691

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**HUDSON COUNTY, NEW JERSEY**

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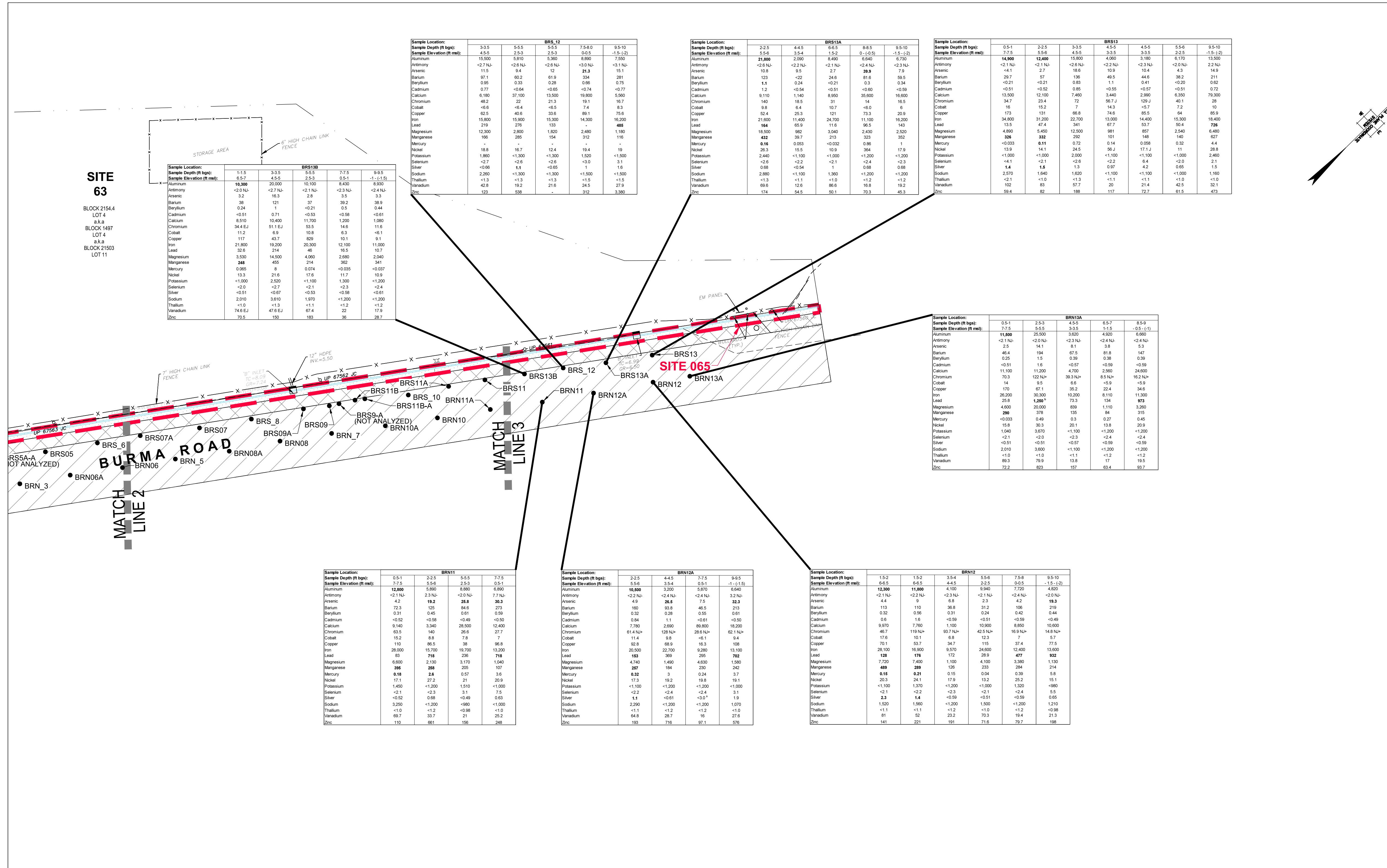
**DATE:** 2/27/19

**SCALE:** AS SHOWN

**DRAWING NO.:** 151136-D32-1

**FIGURE 3**  
TARGET ANALYTE LIST METALS  
BURMA ROAD, MORRIS PESIN DRIVE, AND TRAFFIC  
CIRCLE SOIL SAMPLE LOCATIONS  
JERSEY CITY, NEW JERSEY

**FIGURE 3 of 4**



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

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HUDSON COUNTY, NEW JERSEY

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

FIGURE 3  
BURMA ROAD, MORRIS PESIN DRIVE, AND TRAFFIC  
CIRCLE SOIL SAMPLE LOCATIONS - TARGET  
ANALYSE LIST METALS  
JERSEY CITY, NEW JERSEY

APPROVED BY: C. Leavy DATE: 10/19/18 SCALE: AS SHOWN DRAWING NO. 151136-D32-1 FIGURE 4 of 4