207-B2	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	53.6
5.5- 6.0	29.2
9.5-10.0	30
13.0-13.5	29.3
16.5-17.0	33.9

207-B1	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	16
5.5- 6.0	24.8
8.5- 9.0	30.9
13.5-14.0	22.8
17.5-18.0	37

207-B4	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	63.9
5.5- 6.0	46.8
9.5-10.0	29.6
13.0-13.5	46.9
16.5-17.0	14.3

207-B3	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	74.6
5.5- 6.0	32.7
9.5-10.0	31.4
13.0-13.5	32.6
16.5-17.0	34.5

207-B19	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	44.1
9.5-10.0	38.9
13.0-13.5	57
16.5-17.0	31.6

207-B16	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	*103*
5.5- 6.0	23.1
9.5-10.0	24.4
13.5-14.0	53.2
17.5-18.0	25.8

207-B18	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	*123*
5.5- 6.0	26.7
9.5-10.0	30.4
13.0-13.5	57.4
16.5-17.0	3.85

207-B17	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	59.6
5.5- 6.0	28.9
9.5-10.0	1.02 U
13.5-14.0	54.6
17.5-18.0	27.7

207-B5	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	27.5
5.5- 6.0	37.5
9.5-10.0	22.3
13.0-13.5	15.7
16.5-17.0	22.9

207-B6	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	28.1
4.0- 4.5	27.8
8.0- 8.5	31.6
12.0-12.5	30.5

121-B11	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	20.2
5.5- 6.0	18.5
9.5-10.0	27.3
13.5-14.0	10.3
17.0-17.5	20.6

121-B12	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	21.1
3.5- 4.0	17.5
5.5- 6.0	22.3
9.5-10.0	28
13.0-13.5	9.89
17.0-17.5	25.5

121-B9	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	20.7
5.5- 6.0	30
9.5-10.0	28.7
13.5-14.0	13.1
17.0-17.5	18.5

121-B1	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	22.4
4.5- 5.0	*119*
8.0- 8.5	21.7
12.0-12.5	20.3

121-B2	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	22.4
4.5- 5.0	19.8
8.0- 8.5	21.2
12.0-12.5	36

MC-004V	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	25.8

121-B5	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	17.9
3.5- 4.0	23.9
5.5- 6.0	21.1
7.5- 8.0	21.5
9.5-10.0	33.4
13.5-14.0	22.1
17.0-17.5	14.9

121-B7	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	28
5.5- 6.0	35.7
9.5-10.0	30.2
13.0-13.5	22.3

121-B6	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	28.3
5.5- 6.0	30.4
9.5-10.0	18.6
13.5-14.0	17.6
17.5-18.0	8.27

P6-B1	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	31.8
5.5- 6.0	23.8
9.5-10.0	33.9
13.0-13.5	22.5
17.5-18.0	34.4

MC-006W	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	28.2
5.5- 6.0	18.2
9.0- 9.5	25.2
13.5-14.0	33.5
17.5-18.0	17.8

MC-006Y	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	*485*
7.0- 7.5	40.9
9.0- 9.5	27.1
13.5-14.0	52.7
17.5-18.0	26.6

MC-006Z	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	22.2

P3-B1	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	40.7
5.5- 6.0	20.4
9.5-10.0	28.9
13.5-14.0	26
17.5-18.0	10.2

MC-007W	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	51.3
5.5- 6.0	23.7
9.5-10.0	34.5
15.5-16.0	19.7

MC-007X	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	*132*
7.0- 7.5	0.888 U
9.5-10.0	24.3
13.5-14.0	0.823 U
17.0-17.5	43.2

MC-008W	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	36.3
6.5- 7.0	19.2
8.0- 8.5	0.865 U
15.0-15.5	20.6

MC-008X	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	*140*
4.5- 5.0	0.793 U
8.0- 8.5	0.837 U
12.0-12.5	0.862 U
16.0-16.5	40

MC-008Y	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	27.5
5.5- 6.0	0.799 U
8.0- 8.5	0.717 U
12.0-12.5	35.6
16.0-16.5	35.9

MC-009V	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	24.7
5.0- 5.5	26.7
8.0- 8.5	36.8
12.5-13.0	20.5
18.5-19.0	15.4

MC-009W	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	31.3
4.5- 5.0	*514*
8.5- 9.0	*393*
12.5-13.0	32.4
16.5-17.0	51.9
20.5-21.0	23.9

MC-009X	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	*95.2*
4.5- 5.0	*337*
8.5- 9.0	*445*
12.5-13.0	*494*
18.5-19.0	37.4
20.5-21.0	35.9

MC-010W	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	22.6
4.5- 5.0	24.6
8.5- 9.0	23.8
12.5-13.0	27.3
16.5-17.0	37.9

MC-010X	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	18.5
4.5- 5.0	58.9
8.5- 9.0	*198*
12.5-13.0	0.888 U
16.5-17.0	31.8
20.5-21.0	21.8

P8-B5	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	21.7
5.5- 6.0	23.7
9.5-10.0	30.7
13.5-14.0	29.8
17.5-18.0	21.8

MC-011W	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	24.3
4.5- 5.0	35.3
8.5- 9.0	0.739 U
12.5-13.0	29.2
16.5-17.0	21.8
20.5-21.0	26.1

MC-011X	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	68.2
4.5- 5.0	*653*
8.5- 9.0	*475*
12.5-13.0	*487*
16.5-17.0	75.6
20.5-21.0	*115*
23.5-24.0	23.1

MC-012W	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	50.5
4.5- 5.0	30.6
8.5- 9.0	0.859 U
12.5-13.0	30
17.5-18.0	18.5
20.5-21.0	25.9

MC-013T	
DEPTH (ft)	CONC. (mg/kg)
4.5- 5.0	33.6

MC-013U	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	60.7
4.5- 5.0	*79.1*
8.5- 9.0	31.2
12.5-13.0	33
16.5-17.0	33.5
20.5-21.0	13.1

MC-013V	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	30.4
4.5- 5.0	18.4
8.5- 9.0	*409*
12.5-13.0	25.4
16.5-17.0	37.1
20.5-21.0	9.93

MC-014V	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	49.1
4.5- 5.0	54.8
8.5- 9.0	21.8
12.5-13.0	26
16.5-17.0	30.5
20.5-21.0	8.19

MC-014W	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	48
3.5- 4.0	11.3
5.5- 6.0	*492*
11.5-12.0	*416*
13.0-13.5	*468*
17.0-17.5	*428*
18.0-18.5	40.3
20.0-20.5	33.4

MC-014X	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	31.7
7.0- 7.5	37.8
8.0- 8.5	27.6
12.5-13.0	60.4
16.5-17.0	18.1

MC-014Y	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	31.4
4.5- 5.0	27.6
10.5-11.0	*322*
12.5-13.0	*444*
16.5-17.0	52.6
20.5-21.0	11.8

MC-015V	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	33.9
5.5- 6.0	49.2
11.5-12.0	23.2
14.5-15.0	26.5
16.0-16.5	34.8
20.0-20.5	9.51

MC-015W	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	33.2
5.5- 6.0	0.769 U
9.0- 9.5	*406*
11.5-12.0	27.5
13.5-14.0	26.1
17.5-18.0	34.7
21.5-22.0	29.8

MC-015X	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	37
5.5- 6.0	*113*
7.5- 8.0	*698*
11.5-12.0	*515*
14.5-15.0	*419*
16.5-17.0	*508*
18.0-18.5	48.3
21.5-22.0	29

MC-015Y	
DEPTH (ft)	CONC. (mg/kg)
2.5- 3.0	10.3
4.5- 5.0	30.2
8.0- 8.5	33.9
12.5-13.0	32.4

MC-001V	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	65.9
5.5- 6.0	19.6
8.5- 9.0	41.6
12.0-12.5	24.6
16.0-16.5	45.8
20.0-20.5	22.7

MC-001W	
DEPTH (ft)	CONC. (mg/kg)
2.5- 3.0	*285*
4.5- 5.0	*349*
9.5-10.0	*326*
12.0-12.5	*153*
16.0-16.5	20.3

MC-001X	
DEPTH (ft)	CONC. (mg/kg)
2.5- 3.0	*394*
4.0- 4.5	*287*
8.5- 9.0	*215*
14.0-14.5	*201* U*
16.0-16.5	30.2
20.0-20.5	19.8

MC-001Y	
DEPTH (ft)	CONC. (mg/kg)
2.5- 3.0	*523*
4.5- 5.0	*464*
11.0-11.5	*448*
14.0-14.5	0.693 U
16.0-16.5	66.7

MC-001Z	
DEPTH (ft)	CONC. (mg/kg)
2.5- 3.0	*106*
5.0- 5.5	*436*
10.0-10.5	43
14.0-14.5	20.7
16.0-16.5	16.3

MC-B01Z	
DEPTH (ft)	CONC. (mg/kg)
2.5- 3.0	76.7
5.0- 5.5	30.4

MC-002W	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	49.9
5.5- 6.0	27.6
11.5-12.0	13.6
13.5-14.0	48.1
17.5-18.0	23.1

MC-002X	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	*185*
5.5- 6.0	*213*
11.5-12.0	*216*
12.5-13.0	*209*
16.5-17.0	43.3

MC-002Y	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	17.7
4.5- 5.0	*309*
8.0- 8.5	2.09
12.0-12.5	51.5
16.0-16.5	38.5

MC-002Z	
DEPTH (ft)	CONC. (mg/kg)
4.5- 5.0	26

207-B9	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	*319*
4.0- 4.5	35.4
8.0- 8.5	22.6
12.0-12.5	9.76
14.5-15.0	44.6

207-B8	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	34.9
6.0- 6.5	23.6
9.0- 9.5	35.1
12.0-12.5	31.2

MC-003W	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	77
5.5- 6.0	18.4
9.5-10.0	27.7
13.5-14.0	39.5
17.5-18.0	24.1

MC-003X	
DEPTH (ft)	CONC. (mg/kg)
3.0- 3.5	*314*
4.0- 4.5	*278*
8.5- 9.0	*265*
13.5-14.0	*339*
14.0-14.5	*143* U*
18.0-18.5	14.8

MC-003Y	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	24.9
7.5- 8.0	0.67 U
8.5- 9.0	0.83 U
12.0-12.5	52.9
16.0-16.5	28.5

121-B10	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	32.2
5.5- 6.0	20.5
9.5-10.0	30.9
13.5-14.0	28
17.0-17.5	35.4

121-B13	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	38.7
5.5- 6.0	20.9
8.5- 9.0	27.6
12.5-13.0	16.6
16.0-16.5	18.1

MC-004W	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	*79.1*
5.5- 6.0	30.5
9.5-10.0	28.1
13.5-14.0	45.2
17.5-18.0	16.2

MC-004X	
DEPTH (ft)	CONC. (mg/kg)
3.0- 3.5	*262*
6.5- 7.0	*97.6*
9.0- 9.5	*144*
13.5-14.0	33.6
17.5-18.0	25.4

MC-004Y	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	*315*
7.0- 7.5	52
8.0- 8.5	*146*
12.0-12.5	24
16.0-16.5	36.3

MC-004Z	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	29.2
8.0- 8.5	34.7

MC-005W	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	45.7
5.5- 6.0	26.2
9.5-10.0	27.3
13.5-14.0	38.3
17.5-18.0	17.3

MC-005V	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	0.92 U
5.5- 6.0	0.891 U
9.5-10.0	0.789 U
13.5-14.0	1.5 U
17.5-18.0	18.8

MC-005X	
DEPTH (ft)	CONC. (mg/kg)
2.5- 3.0	0.879 U
6.0- 6.5	0.936 U
8.0- 8.5	*111*
13.5-14.0	0.988 U
17.0-17.5	37.1

MC-005Y	
DEPTH (ft)	CONC. (mg/kg)
1.0- 1.5	*659*
5.5- 6.0	0.947 U
9.5-10.0	1.06 U
13.5-14.0	31.1
17.5-18.0	30.8

MC-005Z	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	0.655 U
6.5- 7.0	*210*
8.0- 8.5	0.754 U
12.0-12.5	29.9
20.0-20.5	17.4

MC-005A	
DEPTH (ft)	CONC. (mg/kg)
2.5- 3.0	32.8
4.0- 4.5	17.2
8.0- 8.5	22.2
12.0-12.5	42.5
16.0-16.5	19.3

MC-006V	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	19.9
3.5- 4.0	*361*
7.5- 8.0	*383*
11.5-12.0	*329*
13.5-14.0	56.3
17.5-18.0	19.8

MC-007V	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	*99.9*
5.5- 6.0	61.6
8.0- 8.5	28.8
12.0-12.5	32.9
16.5-17.0	20

MC-007Z	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	33

MC-009Z	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	20.1
4.5- 5.0	32.4
8.5- 9.0	31.2
12.5-13.0	68
16.5-17.0	28.8

MC-009ZA	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	24.5
4.5- 5.0	16.2
10.5-11.0	37.5
12.5-13.0	36.6
16.5-17.0	45.9

MC-010Y	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	*90.7*
4.5- 5.0	15
8.5- 9.0	46.2
12.5-13.0	59.2
16.5-17.0	40.3

MC-010Z	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	59.6

MC-011Y	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	47.7
4.5- 5.0	33.2
8.5- 9.0	38.7
12.5-13.0	14.5
16.5-17.0	20

MC-012Y	
DEPTH (ft)	CONC. (mg/kg)
0.5- 1.0	22.4
4.5- 5.0	24.1
8.5- 9.0	27.5
12.5-13.0	24.2
16.5-17.0	59.1

MC-012X	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	52.5
4.5- 5.0	*325*
8.5- 9.0	12.4
12.5-13.0	62.7
16.5-17.0	*142*
20.5-21.0	16.1

MC-013Z	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	43.6
4.5- 5.0	15.7
8.5- 9.0	24.7
12.5-13.0	48.4
16.0-16.5	29.1

MC-013Y	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	36.2
6.5- 7.0	*160*
10.5-11.0	*92.7*
12.5-13.0	*115*
16.5-17.0	29.2
20.5-21.0	22.6

MC-013W	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	33.4
4.5- 5.0	27.6
10.5-11.0	*322*
12.5-13.0	*444*
16.5-17.0	52.6
20.5-21.0	11.8

MC-013X	
DEPTH (ft)	CONC. (mg/kg)
1.5- 2.0	*78.5*
7.5- 8.0	*652*
8.5- 9.0	*573*
12.5-13.0	*498*
16.5-17.0	35.3
20.5-21.0	16.7

MC-014Z	
DEPTH (ft)	CONC. (mg/kg)
3.5- 4.0	14.3
6.0- 6.5	*395*
8.0- 8.5	*542*
10.0-10.5	0.839 U
12.0-12.5	29.9
16.0-16.5	31.3
20.0-20.5	10.5

Randolph Ave

Union St

Marshall Ave

McDougall St

Garfield Ave

Berry Ln

Woodward St

Van Horne St

Bramhall Ave

Q:\Env\Projects\00080 JCRA\B0080-64 Morris Canal\GIS\JAN_2012\FINALS\FIG9_JANUARY2012.mxd

LEGEND

- EXCEEDANCE OF NJDEP RDCSRS AND/OR NRDCSRS
- VANADIUM SOIL SAMPLE LOCATION
- PROPOSED BERRY LANE PARK
- SITE 121
- SITE 207
- ESTIMATED AERIAL EXTENT OF MORRIS CANAL EXCAVATION
- INFERRED AERIAL EXTENT OF MORRIS CANAL EXCAVATION

NOTES:

1. *ITALICIZED* RESULTS INDICATE CONCENTRATION IN EXCESS OF IGWSSL.
2. *ITALICIZED RED* RESULTS INDICATE CONCENTRATION IN EXCESS OF RDCSRS / NRDCSRS.
3. "U" INDICATES THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED AT THE MDL (METHOD DETECTION LIMIT).
4. "U*" INDICATES MDL EXCEEDS ONE OR MORE OF THE NJDEP SOIL STANDARDS.

VANADIUM NJDEP DCSRS	CONC. (mg/kg)
IGWSSL (IMPACT TO GROUNDWATER SOIL SCREENING LEVEL)	*NC*
NRDCSRS (NON-RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD)	*78*
RDCSRS (RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD)	*1100*

0 25 50 100 150

FEET

1 inch = 50 feet

PROJECT:

REMEDIAL INVESTIGATION

LOCATION:

BERRY LANE PARK

DRAWING TITLE:

SITE AND REMEDIAL INVESTIGATION
SOIL SAMPLE RESULTS:
VANADIUM

DRESDNER ROBIN

DRAWN BY:	JOB NUMBER:
N.K.	880-64
CHECKED BY:	FILE:
D.N.	VANADIUM_011912.mxd
DATE:	FIGURE 9
01/19/12	

References: Microsoft Virtual Earth Aerial 2010; New Jersey Department of Transportation 2006.