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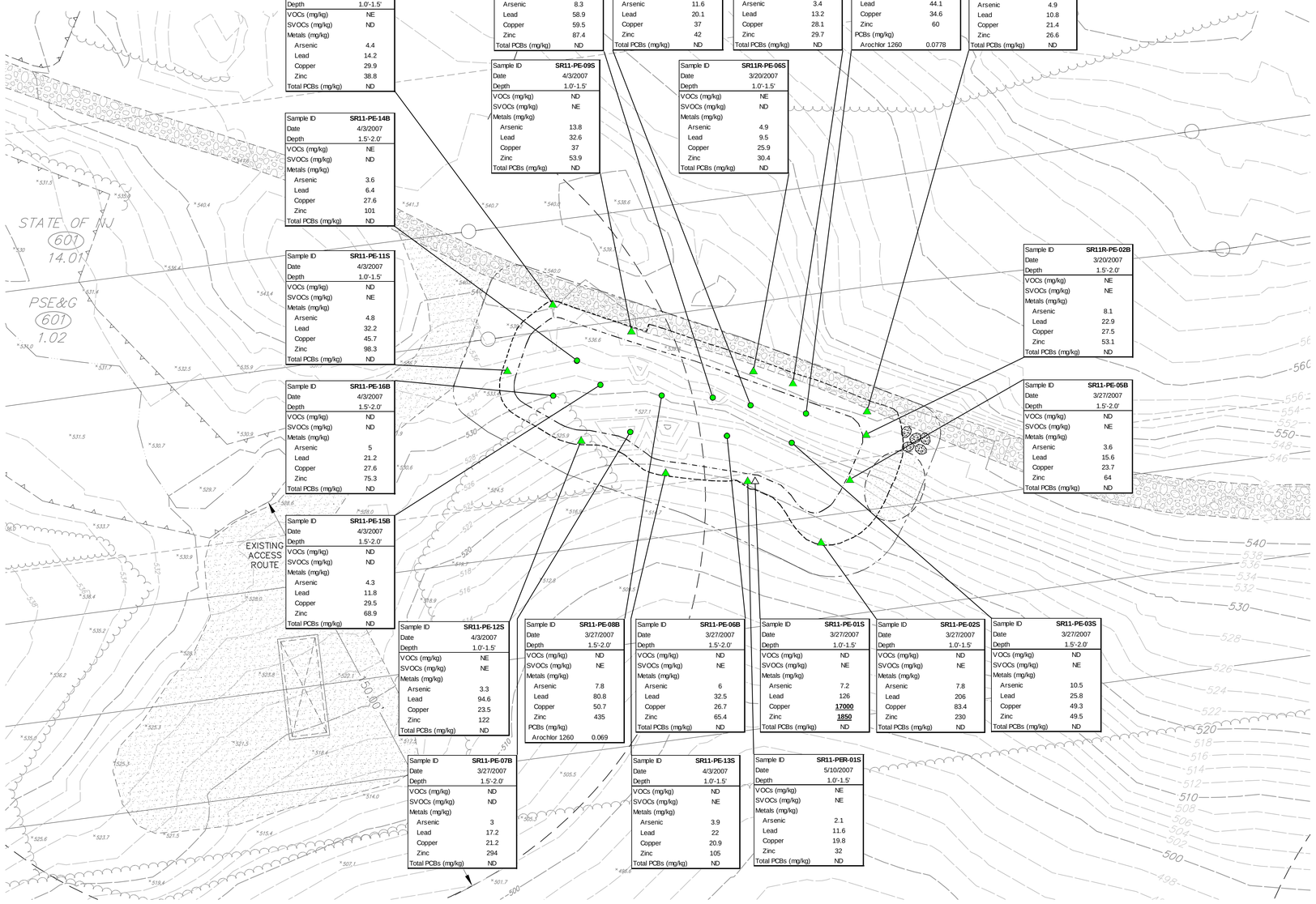


Sample ID	SR11-PE-10S
Date	4/3/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	NE
SVOCs (mg/kg)	ND
Metals (mg/kg)	
Arsenic	4.4
Lead	14.2
Copper	29.9
Zinc	38.8
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-14B
Date	4/3/2007
Depth	1.5'-2.0'
VOCs (mg/kg)	NE
SVOCs (mg/kg)	ND
Metals (mg/kg)	
Arsenic	3.6
Lead	6.4
Copper	27.6
Zinc	101
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-11S
Date	4/3/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	4.8
Lead	32.2
Copper	45.7
Zinc	98.3
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-16B
Date	4/3/2007
Depth	1.5'-2.0'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	ND
Metals (mg/kg)	
Arsenic	5
Lead	21.2
Copper	27.6
Zinc	75.3
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-15B
Date	4/3/2007
Depth	1.5'-2.0'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	ND
Metals (mg/kg)	
Arsenic	4.3
Lead	11.8
Copper	29.5
Zinc	68.9
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-04S
Date	3/27/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	ND
Metals (mg/kg)	
Arsenic	8.3
Lead	58.9
Copper	59.5
Zinc	87.4
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-09S
Date	4/3/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	13.8
Lead	32.6
Copper	37
Zinc	53.9
Total PCBs (mg/kg)	ND

Sample ID	SR11R-PE-05B
Date	3/20/2007
Depth	1.5'-2.0'
VOCs (mg/kg)	NE
SVOCs (mg/kg)	ND
Metals (mg/kg)	
Arsenic	11.6
Lead	20.1
Copper	37
Zinc	42
Total PCBs (mg/kg)	ND

Sample ID	SR11R-PE-06S
Date	3/20/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	NE
SVOCs (mg/kg)	ND
Metals (mg/kg)	
Arsenic	4.9
Lead	9.5
Copper	25.9
Zinc	30.4
Total PCBs (mg/kg)	ND

Sample ID	SR11R-PE-04S
Date	3/20/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	NE
SVOCs (mg/kg)	ND
Metals (mg/kg)	
Arsenic	3.4
Lead	13.2
Copper	28.1
Zinc	29.7
Total PCBs (mg/kg)	ND

Sample ID	SR11R-PE-03B
Date	3/20/2007
Depth	1.5'-2.0'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	13.7
Lead	44.1
Copper	34.6
Zinc	60
PCBs (mg/kg)	
Arochlor 1260	0.0778

Sample ID	SR11R-PE-01S
Date	3/20/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	NE
SVOCs (mg/kg)	ND
Metals (mg/kg)	
Arsenic	4.9
Lead	10.8
Copper	21.4
Zinc	26.6
Total PCBs (mg/kg)	ND

Sample ID	SR11R-PE-02B
Date	3/20/2007
Depth	1.5'-2.0'
VOCs (mg/kg)	NE
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	8.1
Lead	22.9
Copper	27.5
Zinc	53.1
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-05B
Date	3/27/2007
Depth	1.5'-2.0'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	3.6
Lead	15.6
Copper	23.7
Zinc	64
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-12S
Date	4/3/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	NE
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	3.3
Lead	94.6
Copper	23.5
Zinc	122
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-08B
Date	3/27/2007
Depth	1.5'-2.0'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	7.8
Lead	80.8
Copper	50.7
Zinc	435
PCBs (mg/kg)	
Arochlor 1260	0.069

Sample ID	SR11-PE-06B
Date	3/27/2007
Depth	1.5'-2.0'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	6
Lead	32.5
Copper	26.7
Zinc	65.4
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-01S
Date	3/27/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	7.2
Lead	126
Copper	**17000**
Zinc	**1850**
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-02S
Date	3/27/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	7.8
Lead	206
Copper	83.4
Zinc	230
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-03S
Date	3/27/2007
Depth	1.5'-2.0'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	10.5
Lead	25.8
Copper	49.3
Zinc	49.5
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-07B
Date	3/27/2007
Depth	1.5'-2.0'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	ND
Metals (mg/kg)	
Arsenic	3
Lead	17.2
Copper	21.2
Zinc	294
Total PCBs (mg/kg)	ND

Sample ID	SR11-PE-13S
Date	4/3/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	ND
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	3.9
Lead	22
Copper	20.9
Zinc	105
Total PCBs (mg/kg)	ND

Sample ID	SR11-PER-01S
Date	5/10/2007
Depth	1.0'-1.5'
VOCs (mg/kg)	NE
SVOCs (mg/kg)	NE
Metals (mg/kg)	
Arsenic	2.1
Lead	11.6
Copper	19.8
Zinc	32
Total PCBs (mg/kg)	ND

SAMPLE ID → Sample ID SR11-PER-01S

CONSTITUENT → VOCs (mg/kg) NE

Date 5/10/2007 ← SAMPLE DATE

Depth 1.0'-1.5' ← SAMPLE INTERVAL (FEET BELOW GROUND SURFACE)

ND	NOT DETECTED ABOVE LABORATORY DETECTION LIMIT
NE	NO EXCEEDANCE
mg/kg	MILLIGRAMS PER KILOGRAM (PARTS PER MILLION)
<	LESS THAN
BOLD	CONTAMINANT DETECTED AT LEVELS GREATER THAN THE NJDEP UNRESTRICTED USE OR IMPACT TO GROUNDWATER CRITERIA

0 20 40
SCALE IN FEET

LEGEND:

- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- LIMIT OF SURFACE WATER
- PROPERTY BOUNDARY
- TREE LINE
- LIMIT OF DISTURBANCE
- LIMIT OF EXCAVATION
- TOE OF SLOPE WITHIN EXCAVATION
- WETLAND BOUNDARY (TRIDENT)
- 150 FOOT WETLAND TRANSITION LIMIT
- STABILIZED ACCESS ROAD (EXISTING ROAD/TRAIL, IMPROVED BUT NOT ENLARGED)
- EXISTING DIRT TRAIL/ROAD
- LARGE BOULDERS
- AREA DOWN SLOPE FROM BOULDERS
- 601 TAX MAP BLOCK
- 12 TAX MAP LOT
- OVERHEAD UTILITY LINE TOWER
- UTILITY POLE
- POST EXCAVATION BASE SAMPLE LOCATION
- POST EXCAVATION SIDEWALL SAMPLE LOCATION SUBSEQUENTLY FURTHER EXCAVATED
- POST EXCAVATION SIDEWALL SAMPLE LOCATION

NOTES:

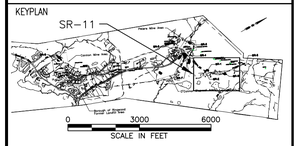
1. DATA QUALIFIERS WERE NOT PROVIDED ON DRAWINGS. DATA QUALIFIERS ARE REPORTED IN ANALYTICAL TABLES.
2. WHEN A DUPLICATE SAMPLE ANALYSIS WAS PERFORMED, THE DATA REPORTED ON THE DRAWING IS THE GREATER OF THE TWO ANALYTICAL RESULTS.
3. EXISTING CONTOURS DEPICT TOPOGRAPHY PRIOR TO REMOVAL ACTIVITIES.
4. SAMPLE DEPTHS ARE APPROXIMATE.
5. PCBs RESULTS ARE REPORTED AS TOTAL PCBs UNLESS SPECIFIC CONGENERS WERE DETECTED.

Constituent	NJDEP Soil Cleanup Criteria		
	Unrestricted Use Criteria	Restricted Use Criteria	Impact to Groundwater Criteria
Metals (mg/kg)			
Arsenic	20	20	NS
Copper	600	600	NS
Lead	400	600	NS
Zinc	1500	1500	NS

DRAFT

REV. ISSUED DATE DESCRIPTION

KEYPLAN



PROJECT TITLE

RINGWOOD MINES/LANFILL SITE
REMEDIATION PROJECT
RINGWOOD, NEW JERSEY

SHEET TITLE

SUMMARY OF POST EXCAVATION SAMPLE LOCATIONS AND RESULTS FOR SR-11

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SEAL | SEAL

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NJ000604.0029	2-SR-11

Acad Version : R16.2s (LMS Tech)
User Name : jrgonzalez
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Path\\Name : G:\Drafting\RINGWOOD\RAR-RI-S\SR-11\240\SR11-AR-Fig 2 & 3.dwg - Layout Tab : FIG 2-SR-11 (PE)