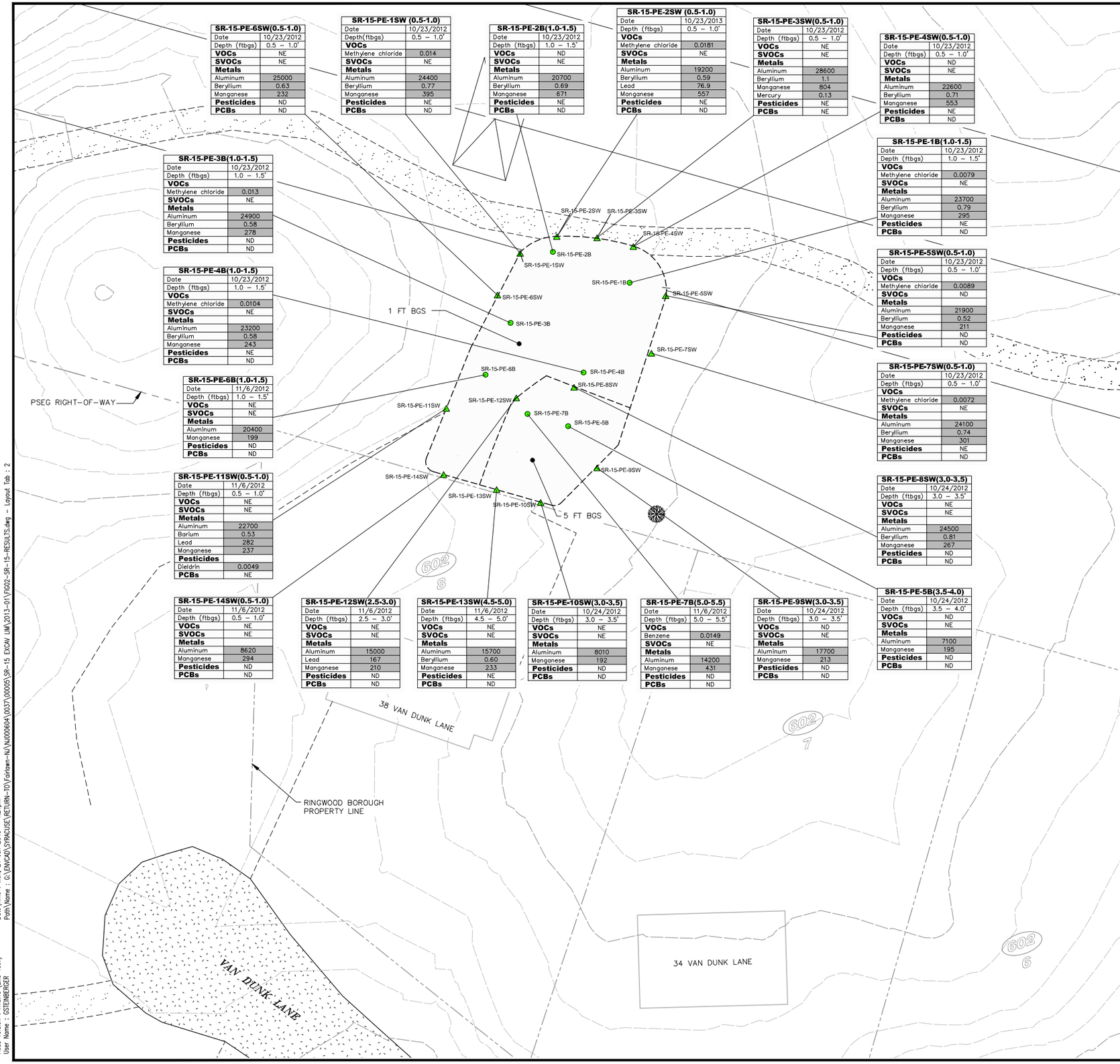

SR-15-PE-6SW(0.5-1.0)	
Date	10/23/2012
Depth (ftbgs)	0.5 – 1.0'
VOCs	NE
SVOCs	NE
Metals	
Aluminum	25000
Beryllium	0.63
Manganese	232
Pesticides	ND
PCBs	ND

SR-15-PE-1SW (0.5-1.0)	
Date	10/23/2012
Depth(ftbgs)	0.5 – 1.0'
VOCs	
Methylene chloride	0.014
SVOCs	NE
Metals	
Aluminum	24400
Beryllium	0.77
Manganese	395
Pesticides	NE
PCBs	ND

SR-15-PE-2B(1.0-1.5)	
Date	10/23/2012
Depth (ftbgs)	1.0 – 1.5'
VOCs	ND
SVOCs	NE
Metals	
Aluminum	20700
Beryllium	0.69
Manganese	671
Pesticides	NE
PCBs	ND

SR-15-PE-2SW (0.5-1.0)	
Date	10/23/2013
Depth (ftbgs)	0.5 – 1.0'
VOCs	
Methylene chloride	0.0181
SVOCs	NE
Metals	
Aluminum	19200
Beryllium	0.59
Lead	76.9
Manganese	557
Pesticides	NE
PCBs	ND

SR-15-PE-3SW(0.5-1.0)	
Date	10/23/2012
Depth (ftbgs)	0.5 – 1.0'
VOCs	NE
SVOCs	NE
Metals	
Aluminum	28600
Beryllium	1.1
Manganese	804
Mercury	0.13
Pesticides	NE
PCBs	NE

SR-15-PE-4SW(0.5-1.0)	
Date	10/23/2012
Depth (ftbgs)	0.5 – 1.0'
VOCs	ND
SVOCs	NE
Metals	
Aluminum	22600
Beryllium	0.71
Manganese	553
Pesticides	NE
PCBs	ND

SR-15-PE-3B(1.0-1.5)	
Date	10/23/2012
Depth (ftbgs)	1.0 – 1.5'
VOCs	
Methylene chloride	0.013
SVOCs	NE
Metals	
Aluminum	24900
Beryllium	0.58
Manganese	278
Pesticides	ND
PCBs	ND

SR-15-PE-1B(1.0-1.5)	
Date	10/23/2012
Depth (ftbgs)	1.0 – 1.5'
VOCs	
Methylene chloride	0.0079
SVOCs	NE
Metals	
Aluminum	23700
Beryllium	0.79
Manganese	295
Pesticides	NE
PCBs	ND

SR-15-PE-4B(1.0-1.5)	
Date	10/23/2012
Depth (ftbgs)	1.0 – 1.5'
VOCs	
Methylene chloride	0.0104
SVOCs	NE
Metals	
Aluminum	23200
Beryllium	0.58
Manganese	243
Pesticides	NE
PCBs	ND

SR-15-PE-5SW(0.5-1.0)	
Date	10/23/2012
Depth (ftbgs)	0.5 – 1.0'
VOCs	
Methylene chloride	0.0089
SVOCs	ND
Metals	
Aluminum	21900
Beryllium	0.52
Manganese	211
Pesticides	ND
PCBs	ND

SR-15-PE-6B(1.0-1.5)	
Date	11/6/2012
Depth (ftbgs)	1.0 – 1.5'
VOCs	NE
SVOCs	NE
Metals	
Aluminum	20400
Manganese	199
Pesticides	ND
PCBs	ND

SR-15-PE-7SW(0.5-1.0)	
Date	10/23/2012
Depth (ftbgs)	0.5 – 1.0'
VOCs	
Methylene chloride	0.0072
SVOCs	NE
Metals	
Aluminum	24100
Beryllium	0.74
Manganese	301
Pesticides	NE
PCBs	ND

SR-15-PE-11SW(0.5-1.0)	
Date	11/6/2012
Depth (ftbgs)	0.5 – 1.0'
VOCs	NE
SVOCs	NE
Metals	
Aluminum	22700
Barium	0.53
Lead	282
Manganese	237
Pesticides	
Dieldrin	0.0049
PCBs	NE

SR-15-PE-8SW(3.0-3.5)	
Date	10/24/2012
Depth (ftbgs)	3.0 – 3.5'
VOCs	NE
SVOCs	NE
Metals	
Aluminum	24500
Beryllium	0.81
Manganese	267
Pesticides	ND
PCBs	ND

SR-15-PE-14SW(0.5-1.0)	
Date	11/6/2012
Depth (ftbgs)	0.5 – 1.0'
VOCs	NE
SVOCs	NE
Metals	
Aluminum	8620
Manganese	294
Pesticides	ND
PCBs	ND

SR-15-PE-12SW(2.5-3.0)	
Date	11/6/2012
Depth (ftbgs)	2.5 – 3.0'
VOCs	NE
SVOCs	NE
Metals	
Aluminum	15000
Lead	167
Manganese	210
Pesticides	ND
PCBs	ND

SR-15-PE-13SW(4.5-5.0)	
Date	11/6/2012
Depth (ftbgs)	4.5 – 5.0'
VOCs	NE
SVOCs	NE
Metals	
Aluminum	15700
Beryllium	0.60
Manganese	233
Pesticides	NE
PCBs	ND

SR-15-PE-10SW(3.0-3.5)	
Date	10/24/2012
Depth (ftbgs)	3.0 – 3.5'
VOCs	NE
SVOCs	NE
Metals	
Aluminum	8010
Manganese	192
Pesticides	ND
PCBs	ND

SR-15-PE-7B(5.0-5.5)	
Date	11/6/2012
Depth (ftbgs)	5.0 – 5.5'
VOCs	
Benzene	0.0149
SVOCs	NE
Metals	
Aluminum	14200
Manganese	431
Pesticides	ND
PCBs	ND

SR-15-PE-9SW(3.0-3.5)	
Date	10/24/2012
Depth (ftbgs)	3.0 – 3.5'
VOCs	ND
SVOCs	NE
Metals	
Aluminum	17700
Manganese	213
Pesticides	ND
PCBs	ND

SR-15-PE-5B(3.5-4.0)	
Date	10/24/2012
Depth (ftbgs)	3.5 – 4.0'
VOCs	ND
SVOCs	NE
Metals	
Aluminum	7100
Manganese	195
Pesticides	ND
PCBs	ND

LEGEND:

- 530 — EXISTING CONTOUR
- PROPERTY BOUNDARY
- EXISTING OVERHEAD ELECTRIC AND TOWER
- EXISTING PAVED ROAD
- EXISTING DIRT TRAIL/ROAD
- LIMITS OF EXCAVATION
- POST EXCAVATION BASE SAMPLE LOCATION
- POST EXCAVATION SIDEWALL SAMPLE LOCATION

SAMPLE ID — SAMPLE INTERVAL (FEET BELOW GROUND SURFACE) — SAMPLE DATE — CONSTITUENT

SR-15-PE-2SW (0.5-1.0)	
Date	10/23/2013
Depth (ftbgs)	0.5 – 1.0'
VOCs	
Methylene chloride	0.0181
SVOCs	NE
Metals	
Aluminum	19200
Beryllium	0.59
Lead	76.9
Manganese	557
Pesticides	NE
PCBs	ND

ND NOT DETECTED ABOVE LABORATORY DETECTION LIMIT

NE NO EXCEEDANCE

NA NOT ANALYZED

NS NO STANDARD

BOLD CONTAMINANT DETECTED AT LEVELS GREATER THAN THE NJDEP UNRESTRICTED USE OR IMPACT TO GROUNDWATER CRITERIA

SHADED EXCEEDANCES OF NJ DEFAULT IMPACT TO GROUNDWATER SOIL SCREENING (NJAC 7:26D 12/08)

NOTES:

1. ALL UTILITIES AND FEATURE LOCATIONS ARE APPROXIMATE.
2. DATA QUALIFIERS WERE NOT PROVIDED ON DRAWINGS. DATA QUALIFIERS ARE REPORTED IN ANALYTICAL TABLES.
3. WHEN A DUPLICATE SAMPLE ANALYSIS WAS PERFORMED, THE DATA REPORTED ON THE DRAWING IS THE GREATER OF THE TWO ANALYTICAL RESULTS.

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

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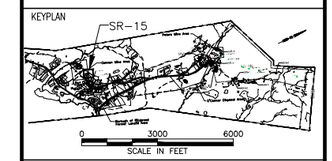
0 15 30
SCALE IN FEET

REV. ISSUED DATE DESCRIPTION

KEYPLAN



PROJECT TITLE

RINGWOOD MINE/LANDFILL SITE
REMEDIATION PROJECT,
RINGWOOD, NEW JERSEY

SHEET TITLE

RESULTS OF POST-EXCAVATION SAMPLING FOR SR-15

ARCADIS
17-17 Route 208 North
Second Floor
Fair Lawn, NJ 07410
Tel: 201-797-7400 Fax: 201-797-4399
www.arcadis-us.com

SEAL | SEAL

PROJECT MANAGER	DEPARTMENT MANAGER
E. ZIMMERMAN	T. RODRIGUEZ
LEAD DESIGN PROF.	CHECKED BY
D. CABALLERO	P. BRACKEN
TASK/PHASE NUMBER	DATE
00035	1/16/13
PROJECT NUMBER	DRAWING NUMBER
NJ000604.0037	2

Date\Time : Mon, 21 Jan 2013 - 1:21pm
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User Name : GSTEINBERGER