



BLUE RIDGE
PAPER PRODUCTS INC.

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A Gaither	May 21, 2008	4563

August 8, 2007

Mr. James Coffey
NCDENR, Solid Waste Section
2090 U.S. Highway 70
Swannanoa, NC 28778

Subject: Blue Ridge Paper Products
Landfill No. 6 (Permit 44-06) – Area 6A East
Closure Documentation Report

Dear Mr. Coffey:

Enclosed please find three copies of construction documentation related to the closure of Area 6A East at Blue Ridge Paper Products Inc., Landfill No. 6 in Canton, North Carolina, Permit #44-06. The closure of Area 6A East was completed by Blue Ridge in October 2003. The information for the closure was compiled by Sevee & Maher Engineers, Inc. (SME) in the attached report. The report was previously submitted to Tim Jewett, Division of Waste Management, on January 4, 2004.

Blue Ridge requests approval of the closure of Area 6A East by NCDENR. If you have any questions or require additional information please do not hesitate to contact us.

Sincerely,

Jim Giaouque
Waste Compliance & Landfill Supervisor
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Copy: Derric Brown
G. Cote, SME

Attachments

File: Area 6A East closure 080807

RECEIVED

SOLID WASTE SECTION
ASHEVILLE REGIONAL OFFICE

**BLUE RIDGE PAPER PRODUCTS, INC.
CANTON, NORTH CAROLINA**

**CONSTRUCTION DOCUMENTATION
FOR LANDFILL NO. 6
CELL 6A-EAST CLOSURE**

OCTOBER 2003

- STATEMENT OF COMPLIANCE
- QA/QC MATERIAL TEST RESULTS
- DAILY CONSTRUCTION REPORTS
- SITE PHOTOGRAPHS
- RECORD DRAWINGS

SME

Sevee & Maher Engineers, Inc.
Waste Management and Hydrogeologic Consultants
Cumberland Center, Maine



OVERVIEW

1.0 PROJECT LOCATION AND SUMMARY OF WORK

Landfill No. 6 located in Canton, North Carolina is owned and operated by Blue Ridge Paper Products Inc. (Blue Ridge Paper). The landfill is located approximately 2-1/2 miles west of Champion Drive, and I-40 Exit 31. Construction activities included closing Cell 6A-East that has been filled to capacity.

Cover Construction on Cell 6A-East began August 12, 2003 and was substantially completed September 30, 2003. The work consisted of placing 36" of compacted cover soil, and 4" of topsoil. Final grading, installation of 18" drainage pipe, and hydro-seeding continued through October 7, 2003.

The construction specifications, quality assurance/quality control testing, and monitoring services were provided by Sevee & Maher Engineers, Inc (SME). VSA Construction Services, LLC was contracted by Blue Ridge Paper to perform earthwork, cover, and drainage pipe installation.

2.0 CELL 6A EAST CLOSURE CONSTRUCTION AND QUALITY ASSURANCE

2.1 Site Preparation For Closure

Cell 6A-East was prepared for cover by Blue Ridge Paper. 12 inches of #67 crushed stone was placed over the cell before the cover soil was installed. Blue Ridge Paper used Southern Maintenance to clear and grub the borrow source area prior to the start of construction.

2.2 Cover Soil Placement

Cover soil was hauled directly from the borrow source located approximately ¼ mile from Cell 6A-East without the need for screening prior to placement. The cover soil was placed to a depth of 36" in three equal 12" lifts, and static rolled with both sheeps foot and smooth drum rollers to achieve a minimum of 90% maximum density. Water was added to each lift prior to compaction

to correct dry conditions from the borrow area. A 4" layer of topsoil placed over the compacted cover soil material, completed the installation. Topsoil was available from the same on site borrow source as the cover soil.

A SME Field Engineer was present on a full-time basis during cover construction to ensure specification compliance. Cover soil was tested during construction for in place density using the drive cylinder method in accordance with ASTM D-2937, and moisture content. Soil used in the cover was also sampled for grain size analysis. The results and locations of the quality control tests are located in the section labeled QA/QC Material Testing.

2.3 Drainage Pipe Installation

360' of 18" HDPE drainage pipe was installed in locations around the perimeter of the cell including 138' to replace a portion of existing 12" pipe located between CB-2 and CB-3. Inlet pipes located on the North and South sides of the landfill connected the completed ditch line to existing drainage structures and piping.

An SME field engineer was present on a full time basis during drainage pipe installation to ensure specification compliance, and to make any necessary field adjustments.

2.4 Construction Monitoring

A representative of SME observed closure of cell 6A-East closure, and documented observations. A record of these observations is presented in the section labeled Daily Reports. Record photographs were also taken and these are shown in the section labeled Photographs.

2.5 Construction Meetings

Construction meetings were held during each week of construction on Tuesday mornings at 9:00am. A record of these meetings is presented in the section labeled Construction Meetings.

**STATEMENT OF COMPLIANCE
WITH APPROVED PLANS AND SPECIFICATIONS**

Project Owner: *Blue Ridge Paper Products Inc.*

Project Title: *Landfill No. 6 Area 6A-East Closure*

Project Location: *Canton, North Carolina*

Contractor: *VSA Construction Services, LLC., Jessup, Maryland*

Engineer: *Sevee & Maher Engineers, Inc.*
Cumberland, Maine

The undersigned, registered Professional Engineer in the State of North Carolina and in the employ of Sevee & Maher Engineers, Inc., which is responsible for construction monitoring pursuant to its contract with Blue Ridge Paper Products Inc. states to the North Carolina Department of Environmental and Natural Resources that it is the professional engineering opinion of Sevee & Maher Engineers, Inc., based on monitoring of the contractor's activities, and the quality control/quality assurance test results, that the closure of Cell 6A-East of Blue Ridge Paper's Landfill No. 6 in Canton, North Carolina was in general accordance and compliance with the contract, plans, specifications, and conditions as approved by the North Carolina Department of Environmental and Natural Resources.

Date: 12-1-03

President: _____

John E. Sevee
John E. Sevee, P.
Reg. No. 20589



QA/QC MATERIAL TEST RESULTS

2.0 SOIL QUALITY CONTROL

Approximately 75,700 cubic yards of till borrow will be required to cover Area 6A-East. The following quality control procedures will be incorporated into the project specifications to assure that the till borrow source delivered to the site meets the project specifications, and provides the data to define quality control acceptance criteria. Individual moisture density curves from the borrow source testing program will be used to guide soil placement.

BRPP will retain the services of a technician familiar with various aspects of landfill construction, to serve as the on-site representative during construction. Services of a general contractor will be procured through a competitive bid process. Bid packages for the solicitation of construction services will require the contractor to identify and demonstrate familiarity and experience with the various aspects of landfill construction. To control the quality of the soil materials used in the landfill development, this Quality Assurance/Quality Control (QA/QC) program will be implemented. The program will include borrow source testing to demonstrate compliance with material specifications, and construction testing to demonstrate that materials have been properly installed.

2.1 Borrow Source Testing

The Owner will be required to perform an initial borrow source testing program to determine the variability of the source properties, and its compliance with the project specifications. The Owner shall employ a testing laboratory and contractor to perform the soil testing of the borrow source. BRPP's representative will accompany the contractor during the collection of the soil samples to develop an understanding of the variability of the till borrow source. The contractor will also be required to prepare soil logs and a plan of the borrow source showing the locations where the samples were collected.

The laboratory shall perform the analysis as shown on Table 2-1 and Table 2-2.

TABLE 2-1

**AREA 6A EAST
BORROW SOURCE TESTING PROGRAM
COVER SOIL (TILL)**

Test	Method	Test Frequency¹	Required Properties
Grain Size Analysis	ASTM D 422-63	1/10,000 yd ³	Minimum 20% soil particles passing #200 sieve; maximum particle size <1 inch
Moisture/Density	ASTM D 698	1/10,000 yd ³	(2)

Notes:

1. Test frequency per source.
2. Moisture density tests used to define maximum dry density and associated optional moisture content.

TABLE 2-2

**AREA 6A EAST
BORROW SOURCE TESTING PROGRAM
NO. 67 DRAINAGE STONE**

Test	Method	Test Frequency¹	Required Properties
Grain Size Analysis	ASTM D 422	1/5,000 yd ³	(2)

Notes:

1. Test frequency per source.
2. Grain size distribution listed in specifications packet.

3.0 SOIL QUALITY ASSURANCE

The following quality assurance procedures and testing will be utilized by BRPP to guide and document construction of the soil cover.

3.1 Subgrade Preparation

3.1.1 Crown Area. The areas of the crown receiving cover will be prepared by BRPP prior to placing the stone. Preparation of the subgrade will include grading of waste, and placement of a 12-inch layer of drainage stone on the crown of Area 6A-East.

3.1.2 Sideslope Area. BRPP shall be responsible for grading waste and placement of a 12-inch layer of drainage stone on the slopes.

3.2 Cover Soil Placement

The following QA/QC procedures will be used during placement of the soil cover material.

3.2.1 Moisture Control. Moisture content of the cover shall range from 0 to 4 percent higher than optimum, as determined by ASTM D 698 (standard proctor) or as determined necessary to meet the project specifications. Where subgrade or a layer of soil material must be moisture conditioned before compaction, water will be uniformly applied to surface of subgrade, or layer of soil material, in proper quantities to prevent free water appearing on surface during or subsequent to compaction operations.

Soil material that is too wet to permit compaction to the specified density will be removed and replaced, or scarified and air dried.

Soil material that has been removed because it is too wet to permit compaction may be stockpiled or spread and allowed to dry. The soils may be disced, harrowed, or pulverized until moisture content is reduced to a satisfactory level.

3.2.2 Placement and Compaction. Placement of cover soil will be in layers not more than 15" in loose depth for material compacted by heavy compaction equipment, and not more than 6" in loose depth for material compacted by hand-operated tampers. Lift thickness will be measured by the Contractor and the CQA Agent during placement at the frequency of 5 tests per acre per lift. The Contractor may use driven wooden grade stakes to aid in the placement of each lift provided that all the grade stakes are collected and accounted for at the completion of the work and that all holes left behind by the grade stakes are filled with granular bentonite. Other methods of determining lift thickness such as laser survey or free-standing flexible grade stakes can also be used. The CQA Agent may also determine lift thickness by digging small test pits through the loose soil lift into the underlying layer.

Before compaction, moisten or aerate each layer as necessary to provide the optimum moisture content. Compact each layer to required percentage of maximum dry density for each area classification. Do not place backfill or fill material on surfaces that are muddy, frozen, or contain frost or ice.

Place backfill and cover soil evenly adjacent to structures, to required elevations. Take care to prevent wedging action of backfill against structures by carrying the material uniformly around structure to approximately same elevation in each lift. To connect soil lifts to a completed layer section (as a result of repairs or sequential liner section at construction), offset the lifts by one-half the compaction equipment width to create a horizontal bench without continuous vertical joints through all lifts of the barrier layer.

To provide for clod break-up of the till material, a minimum number of 2 passes will be made with deep footed pad roller. The CQA Agent will perform visual inspections and measurements as necessary to assure the maximum clod size of the cover soil does not exceed 2 to 3 inches.

The Contractor shall make the necessary adjustments including increasing the number of passes with the sheepsfoot roller, decreasing the lift thickness or adjusting the moisture content of the clay to control the clod size of the cover soil.

To eliminate desiccation cracks the surface will be moistened (as necessary) and reworked with 2 passes of a smooth drum roller. Desiccation is defined as moisture content below optimum, or cracks deeper than 1 inch.

Sealing the lifts will encourage runoff from storms, thus limiting development of excessively moist or wet lenses of soil within the barrier layer.

To promote good bonding between lifts, the lift surface shall be scarified or otherwise roughened by tracking with a bulldozer prior to placing the next lift of till. The Contractor shall scarify the in-place lift surface to an approximate depth of 1 inch. The CQA Agent shall visually assure that the soil has been properly scarified prior to placement of subsequent lifts. The scarified zone will be considered part of the loose lift thickness of the subsequent lift.

The following types of equipment will be specified for compaction:

Caterpillar 815 Pad Foot Roller or equivalent equipment approved by the CQA Agent.
Equivalent equipment shall meet the following specifications:

Minimum Operating Weight	45,900 lbs
Maximum Drum Width	38 inches
Maximum Pad Tip Area	18 square inches
Minimum Pad Height	7.5 inches
Minimum Wheel Diameter	40.5 inches

The passage of compaction equipment in either direction (forward or backward) is considered a "pass".

The following equipment will be used to obtain a smooth roll surface.

Caterpillar CS563 Vibratory Drum Roller or equivalent equipment approved by the CQA Agent. Equivalent equipment shall meet the following specifications:

Minimum Operating Weight	24,500 lbs
Vibration Frequency	1400 to 1800 vpm
Centrifugal Force	
High amplitude	50,000 lbs
Low amplitude	35,000 lbs
Maximum Drum Width	7.0 feet

3.3 In-Place Testing

As the soil material is used in the landfill cover, in-place testing will be performed by the owner's representative to monitor material placement and conformance with the criteria specified in the construction specifications. In-place material testing will be performed by a qualified materials testing laboratory and will be observed by the CQA Agent. Testing will be performed on each lift prior to placement of the subsequent lift. The contractor will be required to remove or rework material not conforming with material properties specified.

The owner's testing service shall perform the tests specified in Table 3-1 and Table 3-2 to document the liner soil in-place properties.

TABLE 3-1

**AREA 6A EAST
IN-PLACE TESTING PROGRAM COVER SOIL**

Test	Method	Test Frequency¹	Required Properties
Grain Size Analysis	ASTM D 422-63	1/5,000 cy	Minimum 20% soil particles passing #200 sieve; maximum soil particle size <1 inch
Field Moisture Content	ASTM D 2937	5/acre/lift	0 to 4% above optimum
Field Density	ASTM D 2937	5/acre/lift	90% of maximum
Cover Thickness	Hand Auger	5/acre/lift	12 inch per lift
<u>Note</u>			
1. Backfill all in-place test holes with bentonite.			

TABLE 3-2

**AREA 6A EAST
IN-PLACE TESTING PROGRAM
NO. 67 DRAINAGE STONE**

Test	Method	Test Frequency	Required Properties
Grain Size Analysis	ASTM D 422-63	1/5,000 cy	(1)
<u>Note</u>			
1. Grain size distribution listed in specifications packet.			

6A-EAST CLOSURE

IN-PLACE MOISTURE AND DENSITY TESTS



Sevee & Maher Engineers, Inc.
Waste Management and Hydrogeologic Consultants
Cumberland Center, Maine

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FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT 6A - EAST COVER
CLIENT BRPP
JOB # 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L1 1	WEST SLOPE working	744.5	530	113.1	1.86	.29	95.0	101.4	94	90	1
	South to North -	214.5	17.85		1.51	19					
L1 2	Locations Shown on	744.0	530	113.1	1.65	.23	97.5	101.4	96	90	1
	Sketch	214.0	17.85		1.42	16					
L1 3	↓	730.2	518.2	110.6	1.26	.21	92.2	101.4	91	90	1
		212	17.85		1.05	20					
L1 4		714	502	107.1	1.81	.28	90.8	101.4	90	90	1
		212	17.85		1.53	18					
L1 5		762	550	117.4	1.56	.26	97.8	101.4	96	90	1
	212	17.85	1.30		20						

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NOTE: All data subject to Engineering review.



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 Cumberland Center, Maine

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 DATE 8/13/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	GA-EAST COVER
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L1	WEST slope	756.4	542.4	115.8	1.83	.29	97.3	97.7	98	90	1
6	Working South to	214	17.85		1.54	19					
L1	North - test	736.2	522.2	111.4	1.98	.30	94.4	97.7	96	90	1
7	locations on sketch	214	17.85		1.68	18					
L1	↓	711	497	106.1	1.98	.32	89	97.7	91	90	1
8		214	17.85		1.66	19.3					
L1	↓	729.5	515.5	110.0	2.26	.30	95.6	97.7	98	90	1
9		214	17.85		1.96	15.3					
L1	↓	741.9	527.9	112.7	1.35	.21	95.5	97.7	98	90	1
10		214	17.85		1.14	18					
L2	↓	760.6	546.6	116.6	1.07	.17	97.9	97.7	100	90	2
1		214	17.85		.90	19					
L2	↓	732.4	518.4	110.6	1.52	.23	93.7	97.7	96	90	2
2		214	17.85		1.29	18					

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Waste Management and Hydrogeologic Consultants
Cumberland Center, Maine

PAGE 1 OF 1
DATE 8/14/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	6A East Cover
CLIENT	BLPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L2 3	WEST Slope of Landfill Working	718	504.8	107.7	1.95	.28	92.0	97.7	94	90	2
		213.2	17.85		1.67	17					
L2 4	South to North Test locations	719.2	506	108	1.34	.22	90.7	97.7	93	90	2
		213.2	17.85		1.12	19					
L2 5	Shown on attached Sketch	761.5	547.5	116.8	1.60	.23	99.8	97.7	100	90	2
		214.0	17.85		1.37	17					
L2 6		739.2	526	112.3	1.44	.21	95.9	97.7	98	90	2
		213.2	17.85		1.23	17					
L2 7		726.3	512.3	109.3	1.98	.34	91.1	97.7	93	90	2
		214	17.85		1.64	20.7					
L2 8		749.3	525.3	114.2	2.04	.41	96.7	97.7	99	90	2
		214	17.85		2.23	18					
L2 9		737.8	524.6	111.9	1.96	.29	95.6	97.7	98	90	2
		213.2	17.85		1.67	17					
L2 10		741.2	527.2	112.5	1.91	.29	95.3	97.7	97	90	2
		214	17.85		1.62	18					
L3 1		768.3	554	118.3	2.48	.37	100.4	97.7	100	90	2
		214	17.85		2.11	18					
L3 2		732	518.8	110.7	2.28	.42	90.73	97.7	93	90	2
		213.2	17.85		1.86	22					
L3 3		747.3	534.1	114.0	2.24	.33	97.4	97.7	99	90	2
		213.2	17.85		1.91	17					
L3 4	v	728.5	514.5	109.8	1.86	.32	90.7	97.7	93	90	2
		214	17.85		1.54	21					

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Cumberland Center, Maine

PAGE 1 OF 1
DATE 8/15/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT <u>6A East Cover</u>
CLIENT <u>BKPP</u>
JOB # <u>03107</u>

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L3 #5	West slope - third	756.2	542	115.7	2.90	.50	96.4	97.7	98	90	3
	lift work south	213.7	17.85		2.40	20.8					
L3 #6	to North - Locations	732.9	518.9	110.7	2.30	.38	92.4	97.7	94	90	3
	on sketch	214	17.85		1.92	19.8					
L3 #7	↓	737.5	523.8	111.8	2.10	.35	93.1	97.7	95	90	3
		213.7	17.85		1.75	20					
L3 #8	↓	736.1	522.1	111.4	1.94	.34	92.1	97.7	94	90	3
		214	17.85		1.60	21					
L1 #11	South Slope Above Access Rd - Locations on sketch			<u>NO TESTS</u>							
L1 #12	↓										

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PAGE 1 OF 2
DATE 8/18/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT <u>6A EAST COVER</u>
CLIENT <u>BZPP</u>
JOB# <u>03107</u>

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L1 #11	South Slope above	729.5	516.3	110.2	2.34	.34	94.2	97.7	96	90	1
	the access Rd.	213.2	17.85		2.0	17					
L1 #12	Locations on Provided	730.2	516.3	110.2	2.35	.35	93.4	97.7	95	90	1
	Sketch	213.7	17.85		2.0	18					
L1 #13		731.8	517.8	110.4	2.90	.50	91.2	97.7	93	90	1
		214	17.85		2.40	21					
L2 11		720.6	507.4	108.3	2.20	.38	89.5	97.7	92	90	2
		213.2	17.85		1.82	21					
L2 12		741.3	528.1	112.7	2.21	.38	93.1	97.7	92	90	2
		213.2	17.85		1.83	21					
L2 13		750.9	537.7	114.8	2.72	.42	97.2	97.7	100	90	2
		213.2	17.85		2.30	18					
L3 9		756.6	542.6	115.8	-	-	FAIL	101.4	RE-TEST	SEE 8-26-03	3
		214	17.85		-	-					
L3 10		755.8	542.1	115.7	2.72	.42	98	101.4	97	90	3
		213.7	17.85		2.30	18					
L3 11		721.2	507.2	108.2	-	-	FAIL	101.4	RE-TEST	SEE 8-26-03	3
		214	17.85		-	-					
											3
											3

New 2mm area used

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Waste Management and Hydrogeologic Consultants
Cumberland Center, Maine

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DATE 8/10/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	GA East Cover
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L1 #14	North slope of Landfill Working west	742.2	528.2	112.8	3.26	.49	95.6	101.4	94	90	1
		213.7	17.85		2.77	18					
L1 #15	to EAST - Working to the "Blowout area"	726.3	513.1	109.5	3.90	.65	91.3	101.4	90	90	1
		213.2	17.85		3.25	20					
L1 #16	Location on sketch	744.6	531.4	113.4	3.44	.57	94.5	101.4	93	90	1
		213.2	17.85		2.87	20					
L1 #17	↓	751.3	537	114.7	3.27	.49	97.2	101.4	96	90	1
		214	17.85		2.78	18					

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FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT 6A East Cover
CLIENT BRPP
JOB # 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L1 #18	North slope working	771.9	557	118.9	3.89	.73	96.7	101.4	95	90	1
	West To East	214	17.85		3.16	.23					
L1 #19	LOCATIONS on	732.4	518.7	110.7	4.40	.70	93.0	101.4	92	90	1
	Provided sketch.	213.7	17.85		3.70	.19					
L1 #20	↓	752.8	539.6	115.2	4.55	.76	95.9	101.4	94	90	1
		213.2	17.85		3.78	.20					
L1 #21	↓	754.7	541	115.5	3.71	.63	96.2	101.4	95	90	1
		213.7	17.85		3.08	.20					
L1 #22	↓	740.1	526.9	112.5	4.40	.80	92.2	101.4	91	90	1
		213.2	17.85		3.60	.22					
L1 #23	↓	737.4	523.7	111.8	3.14	.48	94.7	101.4	93	90	1
		213.7	17.85		2.66	.18					
L1 #24	↓	736.2	522.2	111.5	3.28	.55	92.9	101.4	92	90	1
		214	17.85		2.73	.20					
L1 #25	↓	746.1	532.9	113.7	4.07	.63	96.4	101.4	95	90	1
		213.2	17.85		3.44	.18					
L1 #26	↓	727.3	513.3	109.6	4.22	.68	92.1	101.4	91	90	1
		214	17.85		3.54	.19					

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FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	6A East Cover
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L1 #27	North Slope Working	754.2	540.5	115.4	3.87	.66	96.1	105	91	90	1
	West TO EAST -	213.7	17.85		3.21	20					
L1 #28	Test locations shown	750.8	537.6	114.7	3.64	.64	94.8	105	90	90	1
	on sketch,	213.2	17.85		3.00	21					
L1 #29		747.2	533.2	113.8	3.40	.61	94	105	90	90	1
		214	17.85		2.79	22					
L2 #14		737.5	524.3	111.9	2.26	.36	94	105	90	90	2
		213.2	17.85		1.90	19					
L2 #15		744.7	531	113.3	3.86	.61	96	105	91	90	2
		213.7	17.85		3.25	19					
L2 #16		758.8	545.1	116.3	3.84	.58	98.6	105	94	90	2
		213.7	17.85		3.26	18					
L2 #17		750.7	536.4	114.5	3.60	.57	96.2	105	92	90	2
		214.3	17.85		3.03	19					
L2 #18		748.2	534.5	114.1	5.06	.78	96.7	105	92	90	2
		213.7	17.85		4.28	18					
L2 #19		737.4	523.7	111.8	3.36	.57	93.2	105	89	90	2
		213.7	17.85		2.79	20					
L2 #20		752.8	538.5	114.9	3.24	.53	96.5	105	92	90	2
		214.3	17.85		2.71	20					
L2 #21		725.1	510.8	109.0	3.30	.55	90.8	105	87	90	2
		214.3	17.85		2.75	20					

Fail - area will be re-compacted and tested again

Fail - area will be re-compacted and re-tested

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Cumberland Center, Maine

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FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	GA-EAST COVER
CLIENT	BRPP
JOB #	

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
RE-TEST 19	North Slope Crew	760.3	546	116.5	3.00	.55	95.5	105	91	90	2
	Working West to	214.3	17.85		2.45	.22					
RE-TEST 21	EAST - Locations	758.7	544.4	116.2	3.85	.59	98.5	105	94	90	2
	Shown on Sketch	214.3	17.85		3.26	.18					
L2 #22	↓	738.2	524.5	111.9	3.21	.51	94.1	105	90	90	2
		213.7	17.85		2.70	.19					
L2 #23	↓	736.8	522	111.5	3.22	.50	94.5	105	90	90	2
		214.3	17.85		2.72	.18					
L2 #24	↓	747.8	534.6	114.1	3.08	.47	96.7	105	92	90	2
		213.2	17.85		2.61	.18					
L2 #25	↓	758.3	544	116.1	3.96	.68	95.9	105	91	90	2
		214.3	17.85		3.28	.21					
L2 #26	↓	745.4	531	113.5	4.16	.64	96.2	101.4	95	90	2
		213.7	17.85		3.52	.18					
L2 #27	↓	733.9	519.9	110.9	4.59	.70	93.9	101.4	93	90	2
		214.0	17.85		3.89	.18					

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of Borrow
AREA

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PAGE 1 OF 1
DATE 8/22/03

FIELD DENSITY TEST
DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT GA East Cover
CLIENT BRPP
JOB# 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L3 #12	North slope - Starting on west end	746.7	532.4	113.6	3.40	.58	94.7	101.4	93	90	3
		214.3	17.85		2.82	20					
L3 #13	Working east toward blowout - Location on	750.6	536.9	114.6	3.39	.51	97.1	101.4	96	90	3
		213.7	17.85		2.88	18					
L3 #14	Provided sketch	736.9	523.2	111.7	3.64	.59	93.8	101.4	92	90	3
		213.7	17.85		3.05	19					
L3 #15		754.8	540.8	115.4	4.25	.64	97.8	101.4	96	90	3
		214	17.85		3.61	18					
L3 #16		757.6	544.3	116.1	4.65	.71	98.4	101.4	97	90	3
		213.3	17.85		3.94	18					
L3 #17		737.7	523.7	111.8	4.72	.82	92.4	101.4	91	90	3
		214	17.85		3.90	21					

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PAGE 1 OF 1
DATE 2/26/03

FIELD DENSITY TEST
DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	6A - EAST COVER
CLIENT	BRPP
JOB #	02107

MAXIMUM DENSITY INFORMATION		

TEST NO	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L3 22	North Slope - Locations on	745.9	532.6	113.7	4.03	.61	96	101.4	94	90	3
		213.3	17.85		3.42	.18					
L3 23	Attached Sketch ↓	738.4	524.7	111.9	3.55	.58	94	101.4	92	90	3
		213.7	17.85		2.97	.19					
L3 24	↓	759.4	545.1	116.3	3.33	.58	96.1	101.4	94	90	3
		214.3	17.85		2.75	.21					
L3 RE- TEST	South Slope Above Access Rd - Fresh	726.7	513.4	109.6	3.47	.53	92.9	101.4	91	90	3
		213.3	17.85		2.94	.18					
L3 RE- TEST	Less Soil Low Moisture - Area water and Compacted again	729.6	516.3	110.2	4.26	.64	93.4	101.4	92	90	3
		213.3	17.85		3.62	.18					
L1 30	North Slope between Blowout area and	732.7	518.4	110.6	4.40	.77	91.4	101.4	90	90	1
		214.3	17.85		3.63	.21					
L1 31	Facing Road Ditch	739.4	525.7	112.2	3.47	.58	93.5	101.4	92	90	1
		212.7	17.85		2.89	.20					

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DATE 8/28/23

FIELD DENSITY TEST
DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT GA EAST COVER
CLIENT BRPP
JOB # 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D.WT.	%M.					
L1 32	South Slope below Access rd - locations shown on sketch	759.6	545.9	116.5	3.74	.65	96.3	101.4	95	90	1
		213.7	17.85		3.09	21					
L1 33	↓	742.9	534.9	114.2	3.59	.60	95.2	101.4	94	90	1
			214		17.85	2.99					
L1 34	↓	743.8	529.5	113.0	4.71	.83	93.4	101.4	92	90	1
			214.3		17.85	3.88					
L1 35	↓	730.6	517.3	110.4	3.94	.66	92	101.4	91	90	1
			213.3		17.85	3.22					
L1 36	↓	720.2	520.5	108.1	2.72	.43	91.6	101.4	90	90	1
			213.7		17.85	2.35					
L1 37	↓	744.4	530.1	113.1	3.72	.63	94.2	101.4	93	90	1
			214.3		17.85	3.09					
L1 38	↓	748.2	534.2	114.0	2.62	.44	95	101.4	94	90	1
			214		17.85	2.18					
L1 39	↓	755.1	541.8	115.6	2.92	.53	94.2	101.4	93	90	1
			213.3		17.85	2.31					

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PAGE 1 OF 2
DATE 8/29/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	GA EAST COVER
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L2	South Slope below	787.5	573.3	122.4	3.91	.66	101.9	105.1	97	90	2
Z8	Access Rd Locations	213.7	17.85		3.25	20					
L2	on Attached Sketch	769.5	555.2	118.5	3.65	.56	100.4	105.1	95	90	2
Z9		214.3	17.85		3.09	18					
L2	↓	776.9	562.9	120.1	2.98	.52	99.3	105.1	94	90	2
Z30			214		17.85	2.46					
L2	↓	763.2	550	117.4	3.48	.57	98.7	105.1	94	90	2
Z31			213.2		17.85	2.91					
L2	↓	774.7	561	119.7	3.13	.56	98.1	105.1	93	90	2
Z32			212.7		17.85	2.57					
L2	↓	764.7	550.7	117.5	3.44	.62	96.3	105.1	92	90	2
Z33			214		17.85	2.82					
L2	↓	760.8	547.6	116.9	2.69	.46	96.6	105.1	92	90	2
Z34			213.2		17.85	2.23					
L1	South Slope -	763.2	549.5	117.3	4.13	.63	99.4	105.1	94	90	1
Z40	Locations on Sketch	213.7	17.85		3.50	18					
L1	↓	765.3	551	117.6	4.13	.69	98	105.1	93	90	1
Z41			214.3		17.85	3.44					
L1	↓	753.1	539.1	115.1	3.38	.51	97.5	105.1	93	90	1
Z42			214		17.85	2.87					
L3	North Slope - See	765.4	552.2	117.8	3.13	.54	97.4	101.4	96	90	3
Z5	Sketch.	213.2	17.85		2.59	21					

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Cumberland Center, Maine

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DATE 8/29/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	GA EAST COVER
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L3 26	North Slope - SEE sketch	765.5	551.8	117.8	3.23	.58	96.5	101.4	95	90	3
		213.7	17.85		2.65	22					
L3 27		769.7	555.4	118.5	3.86	.68	97.9	101.4	97	90	3
			214.3		17.85	3.18					
L3 28		752.3	538.3	114.9	3.35	.56	95.7	101.4	94	90	3
			214		17.85	2.79					
L3 29		742.3	528.6	112.8	3.46	.62	92.5	101.4	91	90	3
			213.7		17.85	2.84					
L3 30	 ↓	742.0	528	112.7	3.45	.60	93.1	101.4	92	90	3
			214		17.85	2.85					
L1 43	TOP of Cell - haul Road - locations on Sketch	737.3	523.6	111.8	4.83	.73	94.7	101.4	93	90	1
		213.7	17.85		4.10	18					
L1 44		762.5	549.3	117.2	4.24	.65	99.4	101.4	98	90	1
			213.2		17.85	3.69					
L1 45		756.6	542.6	115.8	3.20	.49	98.1	101.4	97	90	1
			214		17.85	2.71					
L1 46		749.8	535.5	114.3	3.05	.46	96.8	101.4	95	90	1
			214.3		17.85	2.59					

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FIELD DENSITY TEST
DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	GA East Cover
CLIENT	RRFP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L1 47	Top of Cell - West End Working	750.5	536.8	114.6	3.73	.60	96.3	101.9	94	90	1
		213.7	17.85		3.13	19					
L1 48	North to South Locations on Sketch	758.2	544.9	116.3	3.83	.66	96.1	101.9	94	90	1
		213.3	17.25		3.17	21					
L1 49		745.9	531.9	113.5	3.66	.56	96.2	101.9	94	90	1
			214		17.25	3.10					
L1 50		755.9	541.9	115.6	3.22	.56	95.6	101.9	94	90	1
			214		17.85	2.66					
L1 51		745.7	521.7	113.5	3.10	.56	95.4	101.9	94	90	1
			214		17.25	2.54					
L1 52		761.2	547.5	116.8	3.84	.60	98.2	101.9	96	90	1
			213.7		17.25	3.24					
L1 53	V	747.4	533.4	113.8	2.88	.44	96.4	101.9	95	90	1
			214		17.25	2.44					

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Cumberland Center, Maine

PAGE 1 OF 2
DATE 9/3/03

FIELD DENSITY TEST
DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	6A EAST COVER
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		DWT.	%M.					
L2 35	Top of Cell West End Working North	768.5	554.2	118.3	3.10	.55	97.8	105.1	93	90	2
L2 36	to south - locations on sketch.	214.3	17.85		3.67	.56					
L2 37	[Diagram: A vertical line with a downward arrow pointing to the location of test 42]	752.7	538.7	114.9	3.11	.18	97.4	105.1	93	90	2
L2 38		214	17.85		3.89	.57					
L2 39	[Diagram: A vertical line with a downward arrow pointing to the location of test 42]	213.7	17.85	118.1	3.32	.17	—	FAIL	Low Moisture	—	2
L2 40		763.8	550.5		3.64	.55					
L2 41	[Diagram: A vertical line with a downward arrow pointing to the location of test 42]	213.3	17.85	117.5	3.09	.18	99.6	105.1	95	90	2
L2 42		759.3	545.6		3.49	.54					
L2 43	[Diagram: A vertical line with a downward arrow pointing to the location of test 42]	213.7	17.85	116.5	2.95	.18	98.7	105.1	94	90	2
L2 44		752.9	532.9		3.01	.48					
L2 45	[Diagram: A vertical line with a downward arrow pointing to the location of test 42]	214	17.85	115.0	2.53	.19	96.6	105.1	92	90	2
L2 46		770.9	556.9		3.36	.54					
L2 47	[Diagram: A vertical line with a downward arrow pointing to the location of test 42]	214	17.85	118.9	2.82	.19	99.9	105.1	95	90	2
L2 48		771.4	557.7		4.05	.66					
L2 49	[Diagram: A vertical line with a downward arrow pointing to the location of test 42]	213.7	17.85	119.0	3.39	.19	100	105.1	95	90	2
L2 50											
L1 51	North Slope -	747.8	534.1	114.0	3.88	.61	95.8	105.1	91	90	1
L1 52	First lift over	213.7	17.85		3.27	.19					
L1 53	blowout area	746.8	532.8	113.7	2.99	.49	94.8	105.1	90	90	1
L1 54	[Diagram: A downward arrow pointing to the location of test 42]	214	17.85		2.50	.20					
L2 55	South Slope East	752.6	538.9	115.0	3.68	.66	94.2	105.1	90	90	2
L2 56	End.	213.7	17.85		3.02	.22					

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Cumberland Center, Maine

PAGE 2 OF 2
DATE 9/3/03

FIELD DENSITY TEST
DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT GA East Cover
CLIENT BRPP
JOB # 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L2	South Slope	758.1	544.1	116.1	3.22	.51	97.6	105.1	93	90	2
44	East End	214	17.85		2.71	19					
L2	↓	747.6	534.3	114.0	3.17	.48	96.6	105.1	92	90	2
45		213.3	17.85		2.69	18					
L3	South Slope below	755.2	541.5	115.5	2.95	.52	95.5	105.1	91	90	3
31	access Rd working	213.7	17.85		2.43	21					
L3	West to East -	750.1	536.8	114.5	2.33	.40	94.7	105.1	90	90	3
32	See sketch	213.3	17.85		1.93	21					
L3		746.1	532.1	113.6	3.11	.52	94.7	105.1	90	90	3
33		214	17.85		2.59	20					
L3		750.4	537.1	114.6	2.86	.48	95.5	105.1	91	90	3
34		213.3	17.85		2.38	20					
L3	↓	738.2	524.2	111.9	2.71	.42	94.8	105.1	90	90	3
35		214	17.85		2.29	18					

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Waste Management and Hydrogeologic Consultants
Cumberland Center, Maine

PAGE 1 OF 1
DATE 9/5/03

FIELD DENSITY TEST
DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT GA-East Cover
CLIENT BRPP
JOB # 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D.WT.	%M.					
L3 36	South slope below Access Rd locations	770.6	557.4	118.9	3.16	.58	97.5	105.1	93	90	3
		213.2	17.85		2.58	22					
L3 37	on sketch.	748.3	534.6	114.1	3.55	.54	96.7	105.1	92	90	3
		213.7	17.85		3.01	18					
L3 38		764.9	551.6	117.7	2.67	.46	97.3	101.9	95	90	3
		213.3	17.85		2.21	21					
L3 39		756.9	542.9	115.8	3.03	.49	97.3	101.9	95	90	3
		214	17.85		2.54	19					
L3 40		762.9	549.7	117.3	3.47	.55	98.6	101.1	96	90	3
		213.2	17.85		2.92	19					

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PAGE 1 OF 1
DATE 9/6/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT 6A - East Cover
CLIENT BRPP
JOB # 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D.WT.	%M.					
L3 41	TOP of Cell - West End	772.2	559	119.3	2.75	.48	98.6	101.4	97	90	3
	Third lift working	213.2	17.85		2.27	21					
L3 42	South to North	770.6	556.6	118.8	2.57	.45	98.2	101.4	97	90	3
			214		17.85	2.12					
L3 43		752.3	538.6	114.9	2.68	.43	96.6	101.4	95	90	3
			213.7		17.85	2.25					
L3 44		747.5	533.5	113.9	2.46	.42	94.9	101.4	93	90	3
			214		17.85	2.04					
L3 45		753.7	539.7	115.2	3.24	.56	95.2	101.4	94	90	3
			214		17.85	2.68					
L3 46		752.6	539.4	115.1	3.00	.49	96.7	101.4	95	90	3
			213.2		17.85	2.51					
L3 47		755.4	541.4	115.6	2.94	.50	96.3	101.4	95	90	3
			214		17.85	2.44					
L3 48		760.7	547	116.7	2.68	.45	97.3	101.4	96	90	3
			213.7		17.85	2.23					

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 Cumberland Center, Maine

PAGE 1 OF 1
 DATE 9/9/03

FIELD DENSITY TEST
 DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT GA East Cover
 CLIENT BRPP
 JOB # 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT	
		MOLD	VOL.		D WT.	%M.						
L2 46	Blowout area on North slope	741.3	528.1	112.7	4.04	.68	93.9	101.4	92	90	2	
L2 47	↓	744.2	530.5		113.2	3.42						.59
L3 49		731.8	517.8	110.5		2.81	.43	93.6	101.4	92	90	3
L3 50		735.9	521.9		111.4	3.45	.57					

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PAGE 1 OF 1
DATE 9/1/03

FIELD DENSITY TEST
DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	GA - EAST COVER
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D.WT.	%M.					
L1 56	Top of Cell - North	790.6	566.6	120.9	3.24	.54	100.8	105.1	96	90	1
	Side Working West	214	17.85		2.70	20					
L1 57	to East	745.5	532.2	113.6	3.26	.59	96.3	105.1	91	90	1
		213.3	17.85		3.27	18					
L1 58		755.3	541.3	115.5	4.03	.62	97.9	105.1	93	90	1
		214	17.85		3.41	18					
L1 59		760.2	547	116.8	3.05	.51	97.3	105.1	93	90	1
		213.2	17.85		2.54	20					
L1 60		752.8	539.1	115.1	3.62	.61	95.9	105.1	91	90	1
		213.7	17.85		3.01	20					
L1 61		766.1	552.8	117.9	4.34	.74	97.4	105.1	93	90	1
		213.3	17.85		3.60	21					
L1 62		763.3	550.1	117.4	3.69	.65	97.0	105.1	92	90	1
		213.2	17.85		3.01	21					
L1 63		749.9	535.6	114.3	4.44	.71	96.1	105.1	91	90	1
		214.3	17.85		3.73	19					
L2 48	Top of Cell - North	766.4	552.4	117.9	3.31	.52	99.1	105.1	94	90	2
	Side Working West	214	17.85		2.79	19					
L2 49	to East - Lift 2	759.1	545.1	116.3	3.41	.52	98.5	105.1	94	90	2
		214	17.85		2.89	18					
L2 50		753.2	539.2	115.1	3.29	.55	95.9	105.1	91	90	2
		214	17.85		2.71	20					

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Waste Management and Hydrogeologic Consultants
Cumberland Center, Maine

PAGE 1 OF 1
DATE 9/11/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	GA East Cover
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		DWT.	%M.					
L2	TOP of Cell - North	748.2	533.9	113.9	3.81	.57	96.5	105.1	92	90	2
51	Side - lift 2 see sketch	214.3	17.85		3.24	18					
L2	↓	761.9	547.9	116.9	3.18	.51	98.2	105.1	93	90	2
52		214	17.85		2.67	19					
L2	↓	763.5	530.2	117.4	3.38	.57	97.8	105.1	93	90	2
53		213.3	17.85		2.81	20					
L2	↓	756.2	542.2	115.7	3.50	.57	97.2	105.1	92	90	2
54		214	17.85		2.93	19					
L2	↓	770.2	556.9	118.9	2.90	.53	97.4	105.1	93	90	2
55		213.3	17.85		2.37	22					
L1	East Slope South	738.5	525.3	112.1	3.43	.54	94.2	101.4	93	90	1
64	of Chimney Drain	213.2	17.85		2.89	19					
L1	Working South to	749.9	535.9	114.4	2.63	.48	93.7	101.4	92	90	1
65	North - See Sketch	214	17.85		2.15	22					
L1	↓	735.6	522.3	111.5	2.90	.49	92.9	101.4	92	90	1
66		213.3	17.85		2.41	20					
L1	↓	731.6	517.6	110.5	3.71	.56	93.6	101.4	92	90	1
67		214	17.85		3.15	18					

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FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT 6A EAST COVER
 CLIENT BRPP
 JOB # 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT	
		MOLD	VOL.		D.WT.	%M.						
L1 68	EAST Slope South of Chimney Drain	732.8	579.6	110.9	4.45	.73	92.4	101.4	91	90	1	
		213.2	17.85		3.72	20						
L1 69	Working South to North - Locations on sketch	739.9	525.9	112.2	3.82	.63	93.5	101.4	92	90	1	
		214	17.85		3.19	20						
L2 56	↓	738.8	524.5	111.9	3.83	.65	93.2	101.4	92	90	2	
			214.3		17.85	3.18						20
L2 57			747.9	534.7	114.1	2.99	.48	95.9	101.4	94	90	2
			213.2	17.85		2.51	19					
L1 70	EAST End Top of Cell - South Side	752.8	538.8	115.0	3.43	.54	96.6	105.1	92	90	1	
		214	17.85		2.89	19						
L1 71	↓	743.9	530.7	113.3	3.02	.50	94.4	105.1	90	90	1	
			213.2		17.85	2.52						20
L1 72	↓	745.8	541.5	115.6	3.13	.55	95.5	105.1	91	90	1	
		214.3	17.85		2.58	21						

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PAGE 1 OF 1
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FIELD DENSITY TEST
 DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT GA EAST COVER
 CLIENT BRPP
 JOB # 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		DWT.	%M.					
L2 58	East slope South of Chimney Drain working	747.7	533.7	113.9	4.11	.66	95.7	105.1	91	90	2
		214	17.85		3.45	19					
L2 59	South to North ↓	741.0	527.8	112.5	3.61	.57	94.5	105.1	90	90	2
		213.7	17.85		3.04	19					
L2 60	↓	759.4	546.1	116.6	2.81	.49	96.3	105.1	92	90	2
		213.3	17.85		2.32	21					
L2 61	East End top of Well - South Side	744.8	531.6	113.5	3.29	.53	95.4	105.1	91	90	2
		213.2	17.85		2.76	19					
L2 62	↓	762.9	548.9	117.2	2.69	.47	96.8	105.1	92	90	2
		214	17.85		2.22	21					
L2 63	↓	757.9	544.7	116.3	3.40	.59	96.1	105.1	91	90	2
		213.2	17.85		2.81	21					
L3 51	East Slope South of Chimney drain working	745.9	532.6	113.7	3.50	.54	96.3	105.1	92	90	3
		213.3	17.85		2.96	18					
L3 52	South to North ↓	756.3	542.3	115.7	2.94	.47	97.2	105.1	93	90	3
		214	17.85		2.47	19					

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Cumberland Center, Maine

PAGE 1 OF 1
DATE 9/16/03

FIELD DENSITY TEST
DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	GA East Cover
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L3	East Slope South of	755.7	542.4	115.8	3.76	.61	97.3	105.1	92	90	3
53	Chimney Drain entering	213.3	17.85		3.15	19					
L3	South to North	746.9	533.2	113.8	3.13	.50	95.6	105.1	91	90	3
54	↓	213.7	17.85		2.63	19					
L3	↓	756.9	542.9	115.9	2.98	.44	-	105.1	-	-	3
55	↓	214	17.85		2.54	17					
L3	Top of Cell - East	760.4	546.7	116.7	2.57	.42	97.3	105.1	92	90	3
56	end.	213.7	17.85		2.15	20					
L3	↓	769.1	551.8	118.4	2.33	.41	97.8	105.1	93	90	3
57	↓	214.3	17.85		1.92	21					
L3	↓	751.7	537.7	114.8	3.28	.57	94.8	105.1	90	90	3
58	↓	214	17.85		2.71	21					
L2	Top of Cell covering	767.4	553.4	118.1	4.13	.75	96.8	105.1	92	90	2
64	North to South near center of Cell -	214	17.85		3.38	22					
L2	See sketch	762.9	539.9	115.0	2.82	.44	97.5	105.1	93	90	2
65	↓	214	17.85		2.38	18					
L2	↓	763.9	549.2	117.2	3.59	.57	98.5	105.1	94	90	2
66	↓	213.7	17.85		3.02	19					
L2	↓	757.1	543.1	115.9	3.36	.54	97.4	105.1	93	90	2
67	↓	214	17.85		2.82	19					

Low Moisture

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PAGE 1 OF 1
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FIELD DENSITY TEST
DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT 6A East Cover
CLIENT BRPP
JOB # 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L1 73	Top of Cell - South Side - West of Center	757.1	531.9	116.1	3.58	.63	95.9	105.1	91	90	1
		213.2	17.85		2.95	21					
L1 74	↓	762.1	548.1	116.9	3.14	.55	96.6	105.1	92	90	1
			214.0		17.85	2.59					
L1 75	↓	764.7	550.4	117.5	2.85	.51	96.3	105.1	92	90	1
			214.3		17.85	2.34					
L1 76	↓	756.2	542.5	115.8	2.68	.47	95.7	105.1	91	90	1
			213.7		17.85	2.21					
L1 77	East Slope North of Chimney Drain	755.8	541.8	115.6	3.07	.51	96.3	105.1	92	90	1
		214	17.85		2.56	20					
L1 78	Working North to South	750.6	537.4	114.7	3.43	.53	97.2	105.1	92	90	1
		213.2	17.85		2.90	18					
L1 79	↓	763.6	549.9	117.4	3.34	.56	97.8	105.1	93	90	1
			213.7		17.85	2.78					

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PAGE 1 OF 1
DATE 9/19/03

FIELD DENSITY TEST
DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	GA East Cover
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L2 68	Top of Cell - South side west of Center	743.2	529.5	113.0	3.62	.59	94.9	105.1	90	90	2
L2 69		213.7	17.85		3.03	19					
L2 70		757.7	543.7	116.1	3.45	.56	97.6	105.1	93	90	2
L2 71		214	17.95		2.89	19					
L2 72		763.0	548.7	117.1	2.76	.44	98.4	105.1	94	90	2
L2 73		214.3	17.85		2.32	19					
L2 74		749.6	535.6	114.3	3.46	.53	96.9	105.1	92	90	2
L2 75		214	17.85		2.93	18					
L2 76											
L2 77											
L2 78											
L2 79											
L2 80											
L2 81											
L2 82											
L2 83											
L2 84											
L2 85											
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L2 100											

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Cumberland Center, Maine

PAGE 1 OF 1
DATE 9/24/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	6A East Cover
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT	
		MOLD	VOL.		D WT.	%M.						
L3 63	Top of Cell West of Center Working	770.6 213.3	557.3 17.85	118.9	3.72 3.04	.68 22	97.5	105.1	93	90	3	
L3 64	North to South	785.4 214	571.4 17.85		121.9	3.63 2.98						.65 22
L3 65	↓	757.9 213.7	538.2 17.85	114.9	2.76 2.26	.41 18	97.4	105.1	93	90	3	
L3 66		770.9 213.2	557.7 17.85	119.0	4.16 3.45	.71 21	98.3	105.1	94	90	3	
L3 67		785.9 214.3	571.6 17.85	122.0	3.83 3.14	.69 22	100.0	105.1	95	90	3	
L3 68		757.2 214	543.2 17.85	115.9	2.73 2.26	.47 21	95.8	105.1	91	90	3	
L3 69		750.9 214	542.9 17.85	115.9	3.99 3.34	.65 19	97.4	105.1	93	90	3	
L3 70		766.3 213.3	548.0 17.85	116.9	3.59 2.96	.63 21	96.6	105.1	92	90	3	
L3 71		771.2 213.7	557.5 17.85	118.9	2.65 2.19	.46 21	98.3	105.1	94	90	3	

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Cumberland Center, Maine

PAGE 1 OF 1
DATE 9/25/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT	GA East Cover
CLIENT	BRPP
JOB #	03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		D WT.	%M.					
L3 72	Top of Cell - west end Working South	785.9	572.2	122.1	3.59	.65	100.0	105.1	95	90	3
		213.7	17.85		2.94	22					
L3 73	to North.	764.8	550.8	117.6	2.43	.41	98.0	105.1	93	90	3
		214	17.85		2.02	20					
L3 74	↓	768.7	554.4	118.3	4.08	.70	97.8	105.1	93	90	3
		214.3	17.85		3.38	21					
L1 84	Top of Cell East of Center	765.8	552.5	117.9	4.34	.66	99.9	105.1	95	90	1
		213.3	17.85		3.68	18					
L1 85	↓	772.1	558.4	119.2	2.70	.44	100.5	105.1	96	90	1
		213.7	17.85		2.26	19					
L1 86	↓	764.0	550.8	117.6	3.15	.49	99.7	105.1	95	90	1
		213.2	17.85		2.66	18					
L1 87	↓	770.8	556.5	118.8	4.10	.72	98.2	105.1	93	90	1
		214.3	17.85		3.38	21					
L1 88	↓	760.8	547.1	116.8	3.40	.53	98.9	105.1	94	90	1
		213.7	17.85		2.87	18					

COPY TO:	CHECKED BY:	DATE:	TECHNICIAN: <u>Monroe</u>
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NOTE: All data subject to Engineering review.

Sevee Maher Engineers, Inc.
4 Blanchard Road P.O. Box 85A
Cumberland Center, Me 04021



Sevee & Maher Engineers, Inc.
Waste Management and Hydrogeologic Consultants
Cumberland Center, Maine

PAGE 1 OF 1
DATE 9/27/03

FIELD DENSITY TEST

DRIVE CYLINDER METHOD - ASTM D - 2937

PROJECT 6A East Cover
CLIENT BRPP
JOB # 03107

MAXIMUM DENSITY INFORMATION		

TEST NO.	LOCATION	T. WT.	S. WT.	WET DENS.	W. WT.	WT. M.	DRY DENS.	MAX DENS.	% COMP.	% REQ.	LIFT
		MOLD	VOL.		DWT.	%M.					
L2 78	TOP OF Cell - East of Center	755.9	512.7	115.8	3.45	.53	98.1	105.1	93	90	2
L2 79	↓	779.2	564.9		3.96	.66					
L2 80		214.3	17.85	120.6	3.30	.20	100.5	105.1	96	90	2
L2 81		779.6	565.6	120.7	4.25	.71	100.6	105.1	96	90	2
L2 82		214.0	17.85		3.54	.20					
		767.4	553.1	118.1	3.72	.59	99.2	105.1	94	90	2
		214.3	17.85		3.13	.19					
		772.8	558.8	119.3	4.20	.73	98.6	105.1	94	90	2
	214	17.85	3.47		.21						

COPY TO: _____ CHECKED BY: _____ DATE: _____ TECHNICIAN: Monroe

NOTE: All data subject to Engineering review.

PROJECT

WEST SLOPE COMPACTION TEST LOCATIONS.

COMP. BY

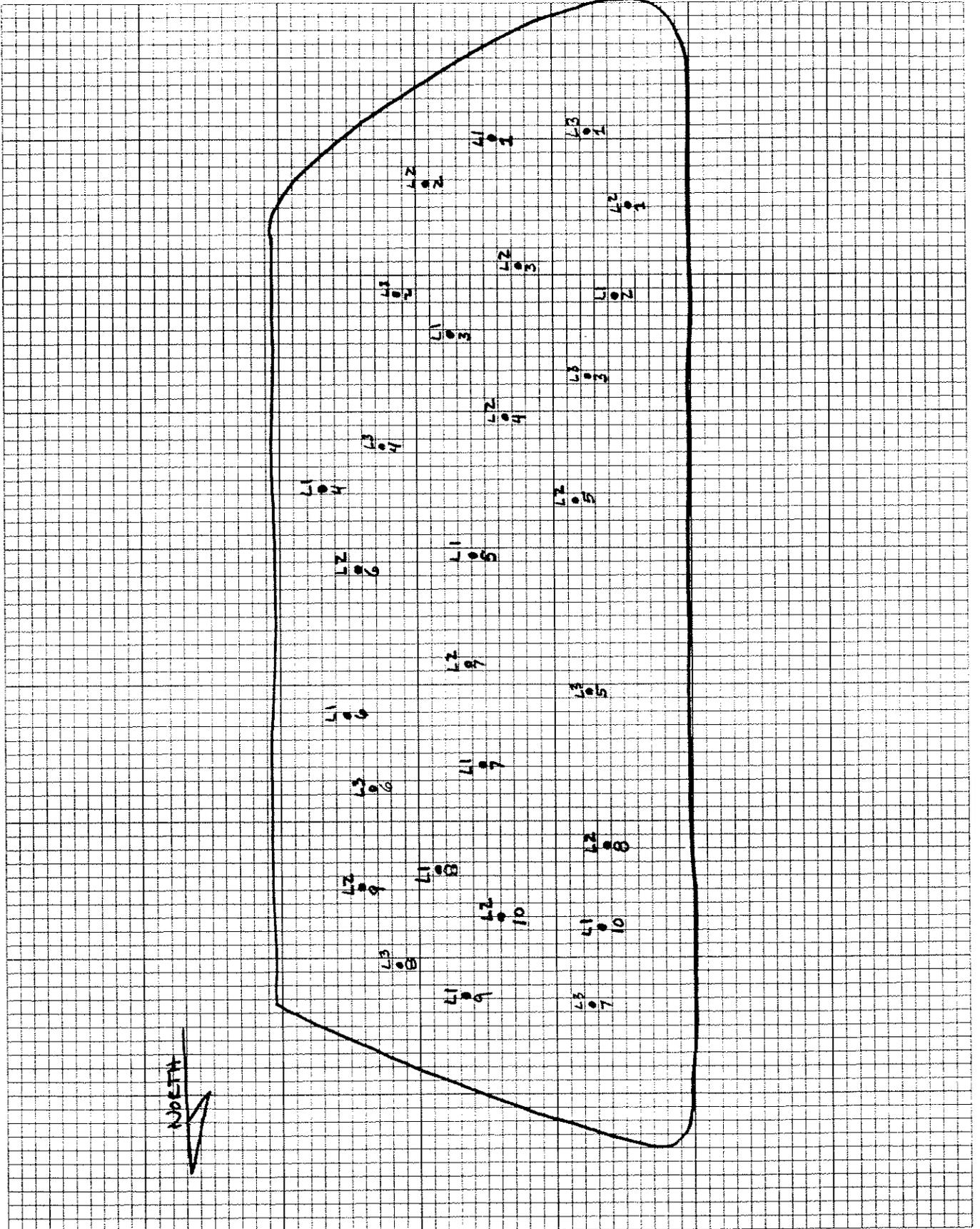
PLM

CHK. BY

JOB NO.

03107

DATE



PROJECT

NORTH SLOPE COMPACTION TEST LOCATIONS.

COMP. BY

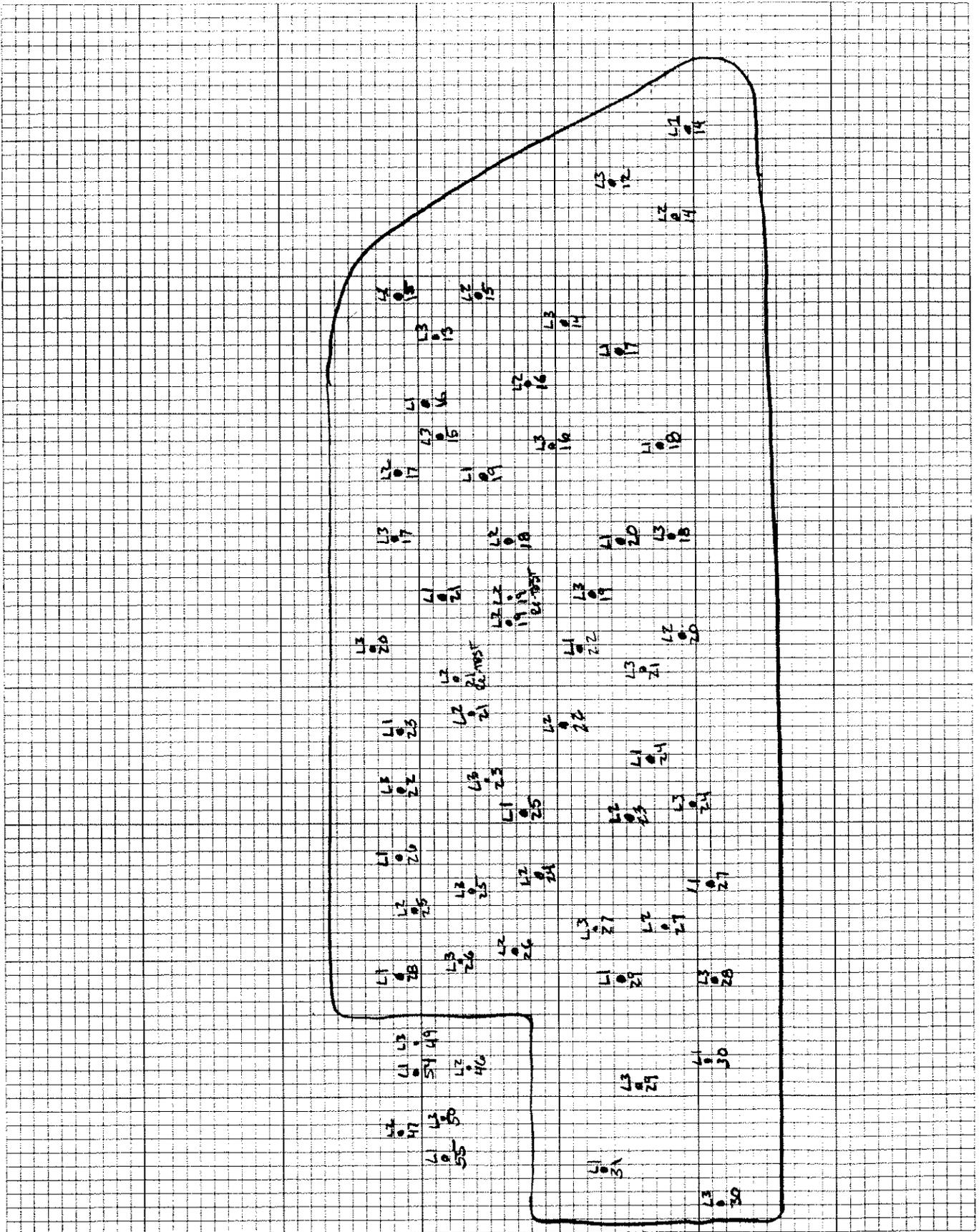
PLM

CHK. BY

JOB NO.

03107

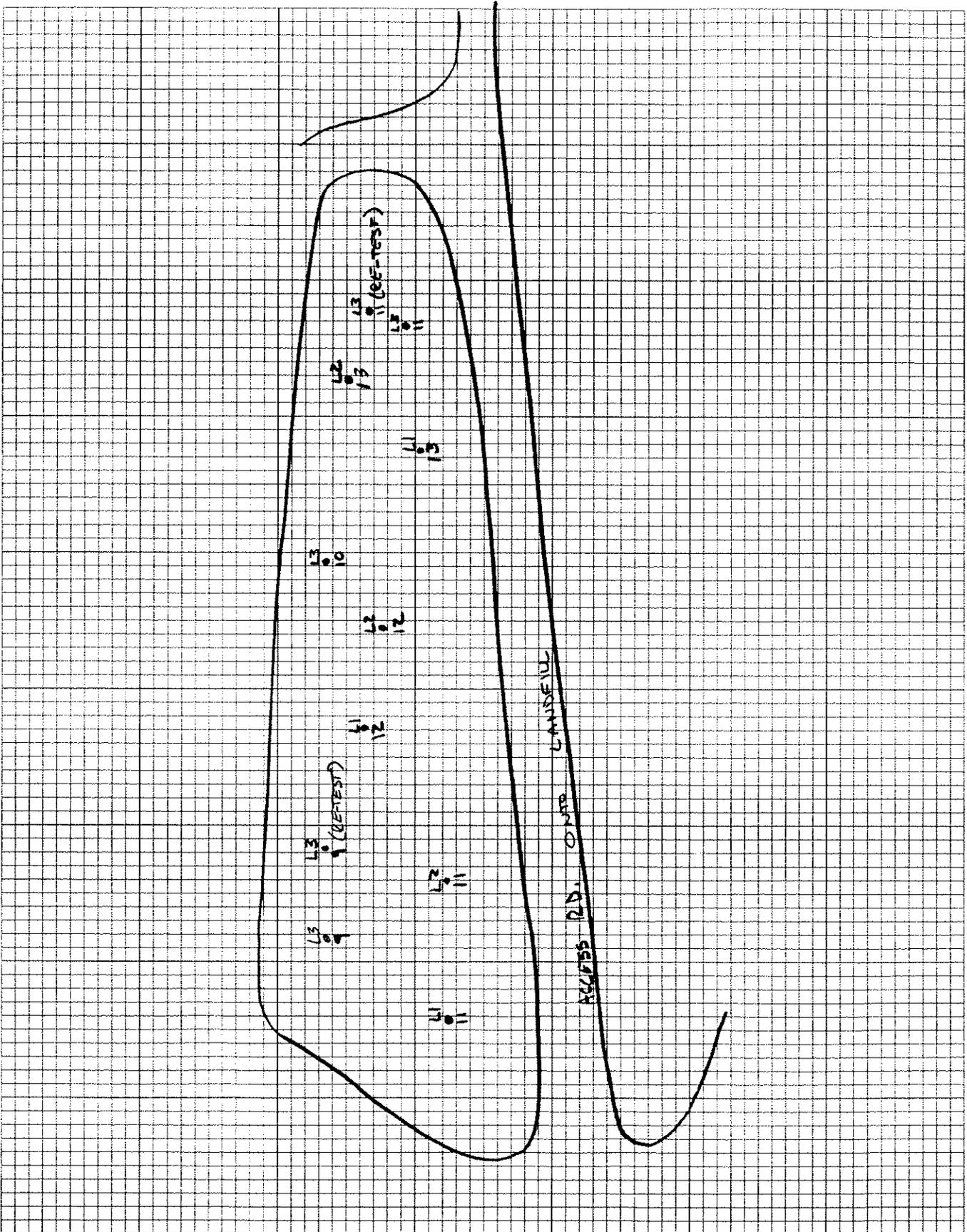
DATE



PROJECT
SOUTH SLOPE ABOVE ACCESS RD
COMPACTION TEST LOCATIONS

COMP. BY
R.M.
CHK. BY

JOB NO.
03107
DATE



PROJECT

SOUTH SLOPE BELOW ACCESS RD

COMPACTION TEST LOCATIONS

COMP. BY

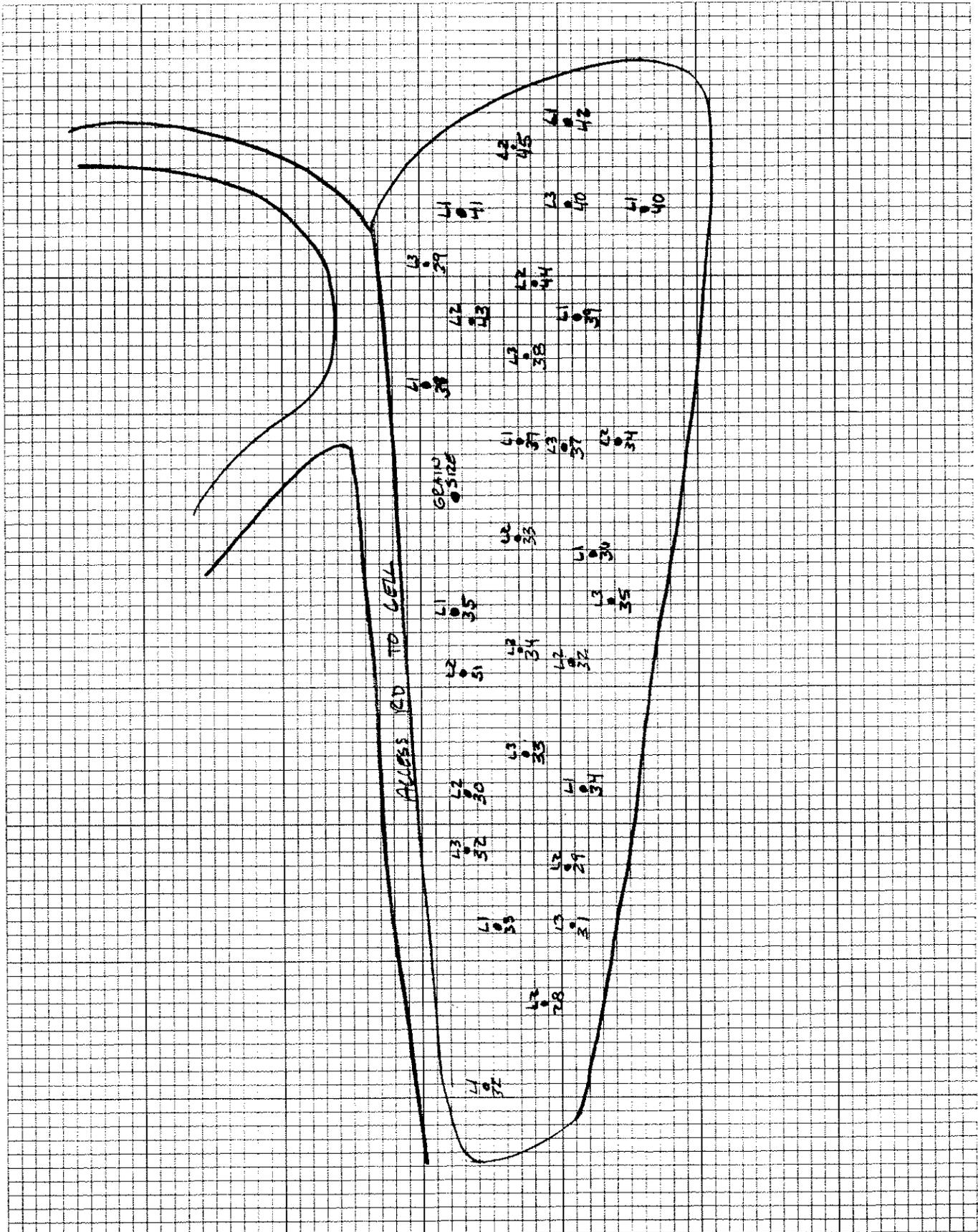
PLM

CHK. BY

JOB NO.

03107

DATE



PROJECT

TOP OF CELL WEST OF CENTER
COMPACTION TEST LOCATIONS

COMP. BY

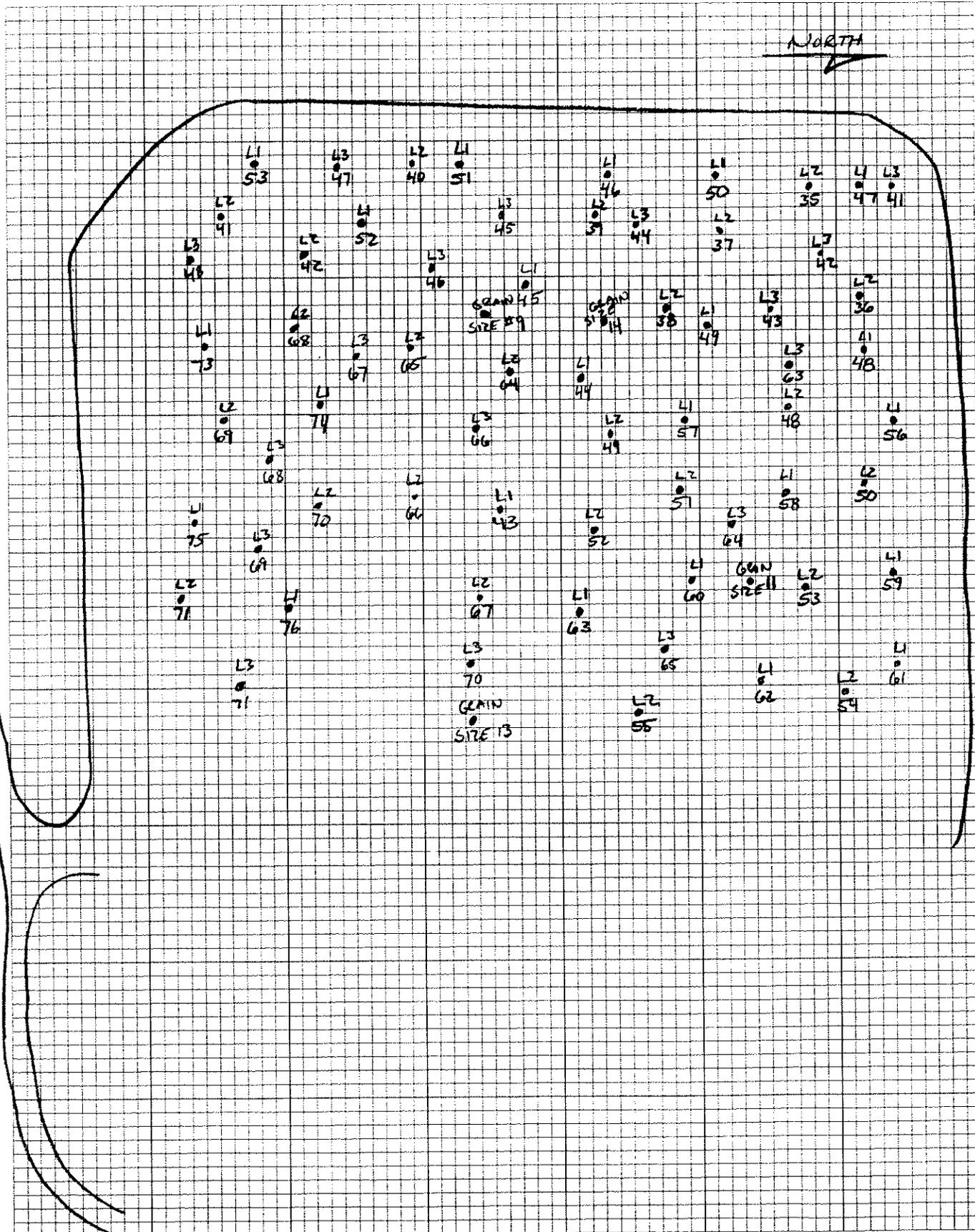
PLM

CHK. BY

JOB NO.

03107

DATE



PROJECT

EAST SLOPE

COMPACTION TEST LOCATIONS.

COMP. BY

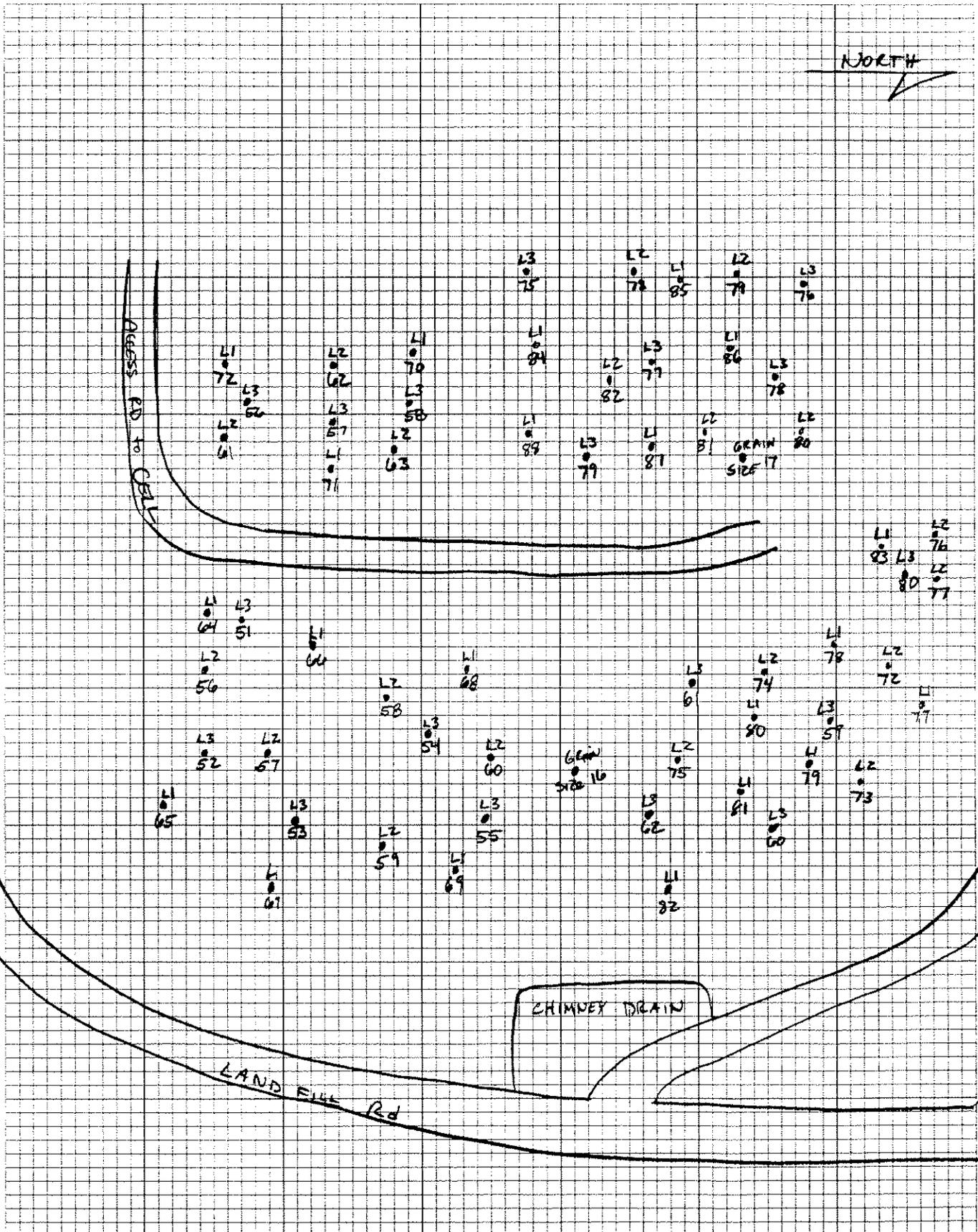
PLM

CHK. BY

JOB NO.

03107

DATE



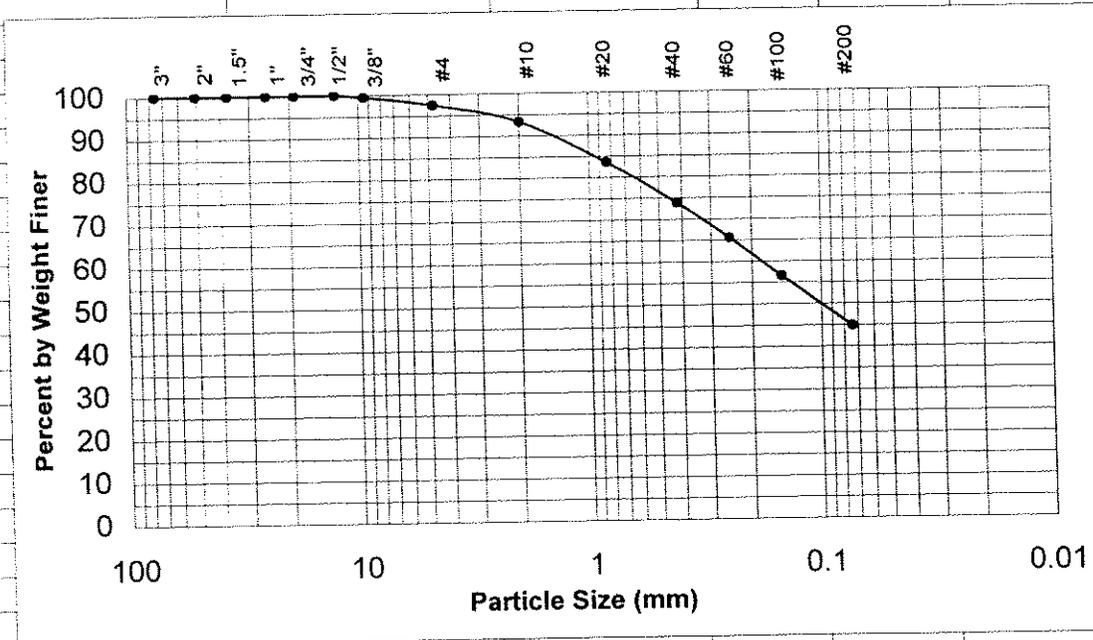
6A-EAST CLOSURE
BORROW SOURCE TILL SIEVE ANALYSIS

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
SAMPLE SOURCE:	Cell 6A	DATE:	2-Sep-03
SAMPLE DESCRIP:	Red silty SAND	SAMPLE No:	1

DATA

U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	SPECIFICATION		P / F
			Min	Max	
3	76.2	100.0			
2	50.8	100.0			
1.5	37.5	100.0			
1	25.4	100.0			
3/4	19.1	100.0			
1/2	12.7	100.0			
3/8	9.5	99.5			
#4	4.76	97.5			
#10	2.0	93.4			
#20	0.84	83.6			
#40	0.42	73.9			
#60	0.25	65.6			
#100	0.149	56.6			
#200	0.074	44.9	20	100	P



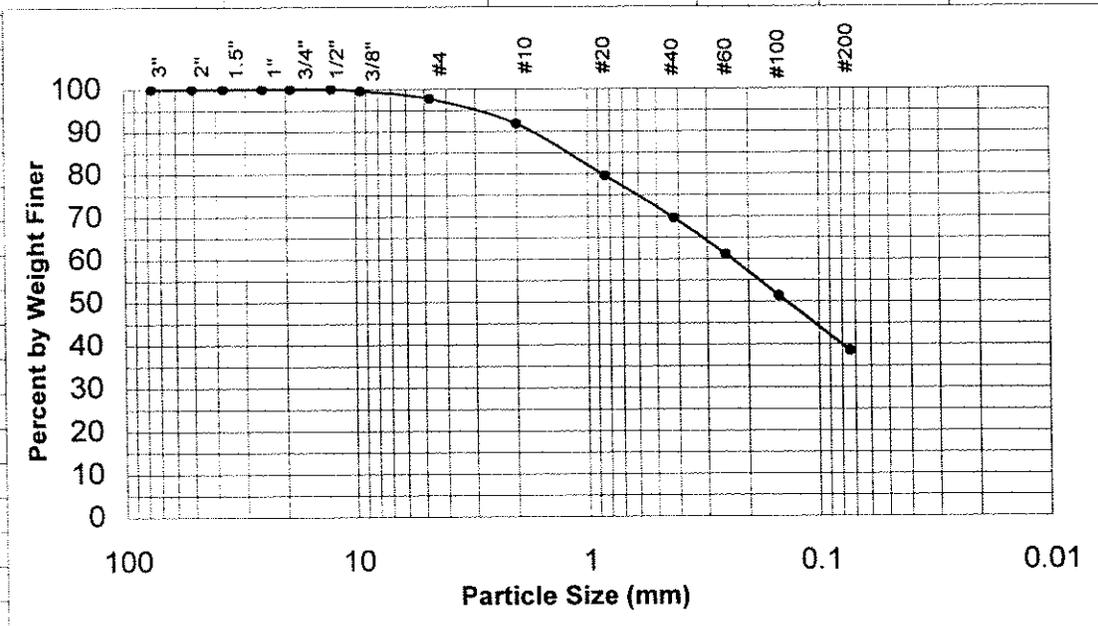
Water Content (%) = 14.5

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
		DATE:	2-Sep-03
SAMPLE SOURCE:	Cell 6A	SAMPLE No:	2
SAMPLE DESCRIP:	Red silty SAND		

DATA

U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	SPECIFICATION		P / F
			Min	Max	
3	76.2	100.0			
2	50.8	100.0			
1.5	37.5	100.0			
1	25.4	100.0			
3/4	19.1	100.0			
1/2	12.7	100.0			
3/8	9.5	99.6			
#4	4.76	97.7			
#10	2.0	91.9			
#20	0.84	79.6			
#40	0.42	69.6			
#60	0.25	61.1			
#100	0.149	51.4			
#200	0.074	38.5	20	100	P



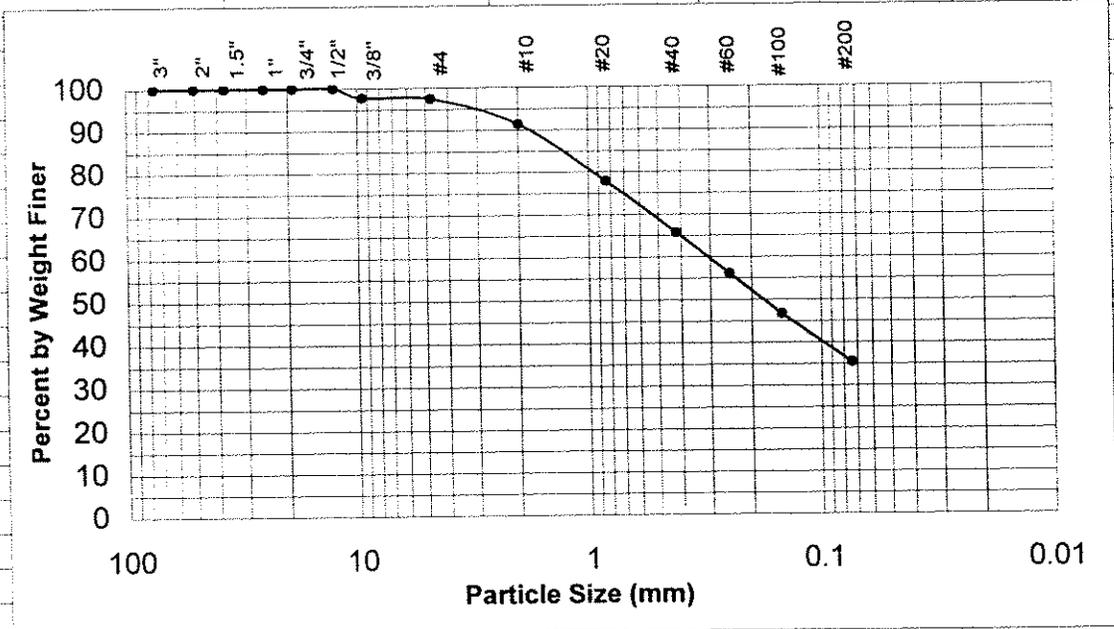
Water Content (%) = 13.6

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
		DATE:	2-Sep-03
SAMPLE SOURCE:	Cell 6A	SAMPLE No:	3
SAMPLE DESCRIP:	Red silty SAND		

DATA

U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	SPECIFICATION		P/E
			Min	Max	
3	76.2	100.0			
2	50.8	100.0			
1.5	37.5	100.0			
1	25.4	100.0			
3/4	19.1	100.0			
1/2	12.7	100.0			
3/8	9.5	97.7			
#4	4.76	97.5			
#10	2.0	91.4			
#20	0.84	77.9			
#40	0.42	65.8			
#60	0.25	56.2			
#100	0.149	46.8			
#200	0.074	35.4	20	100	P



Water Content (%) = 15.8

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME: Blue Ridge Canton, NC		PROJECT No: 03107
SAMPLE SOURCE: Cell 6A		DATE: 2-Sep-03
SAMPLE DESCRIPT: Red sandy SILT		SAMPLE No: 4
DATA		
U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER
3	76.2	100.0
2	50.8	100.0
1.5	37.5	100.0
1	25.4	100.0
3/4	19.1	100.0
1/2	12.7	100.0
3/8	9.5	100.0
#4	4.76	98.3
#10	2.0	93.2
#20	0.84	84.8
#40	0.42	77.1
#60	0.25	70.5
#100	0.149	63.1
#200	0.074	52.8
		20
		100
		P
<p>The graph plots Percent by Weight Finer (Y-axis, 0 to 100) against Particle Size in mm (X-axis, logarithmic scale from 100 to 0.01). The data points are connected by a smooth curve. Sieve sizes are labeled at the top of the graph.</p>		
Water Content (%) =		18.7

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
SAMPLE SOURCE:	Cell 6A	DATE:	15-Sep-03
SAMPLE DESCRIP:	Red silty SAND, trace gravel	SAMPLE No:	5
DATA			
		SPECIFICATION	
U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	P / E
3	76.2	100.0	
2	50.8	100.0	
1.5	37.5	100.0	
1	25.4	100.0	
3/4	19.1	100.0	
1/2	12.7	97.7	
3/8	9.5	96.8	
#4	4.76	94.7	
#10	2.0	87.4	
#20	0.84	77.1	
#40	0.42	68.5	
#60	0.25	61.5	
#100	0.149	54.2	
#200	0.074	45.0	20 100 P

The graph plots Percent by Weight Finer (Y-axis, 0 to 100) against Particle Size in millimeters (X-axis, logarithmic scale from 100 to 0.01). The data points from the table are plotted and connected by a smooth curve. The curve shows that 100% of the sample is finer than 76.2 mm, and 45.0% is finer than 0.075 mm.

Water Content (%) =	18.7
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GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
		DATE:	15-Sep-03
SAMPLE SOURCE:	Cell 6A	SAMPLE No:	6
SAMPLE DESCRIP:	Red silty SAND		
DATA			
		SPECIFICATION	
U.S Std SIEVE (In.)	PARTICLE SIZE (mm)	% by WT. FINER	P / F
3	76.2	100.0	
2	50.8	100.0	
1.5	37.5	100.0	
1	25.4	100.0	
3/4	19.1	100.0	
1/2	12.7	100.0	
3/8	9.5	99.7	
#4	4.76	97.1	
#10	2.0	91.5	
#20	0.84	81.3	
#40	0.42	69.7	
#60	0.25	59.3	
#100	0.149	49.6	
#200	0.074	39.3	20 100 P

The graph plots Percent by Weight Finer (Y-axis, 0 to 100) against Particle Size in millimeters (X-axis, logarithmic scale from 100 to 0.01). The data points from the table are plotted and connected by a smooth curve. The curve remains at 100% finer until approximately 10 mm, then drops to 39.3% finer at 0.075 mm.

Water Content (%) = 11.9

GRAIN SIZE ANALYSIS - ASTM D422

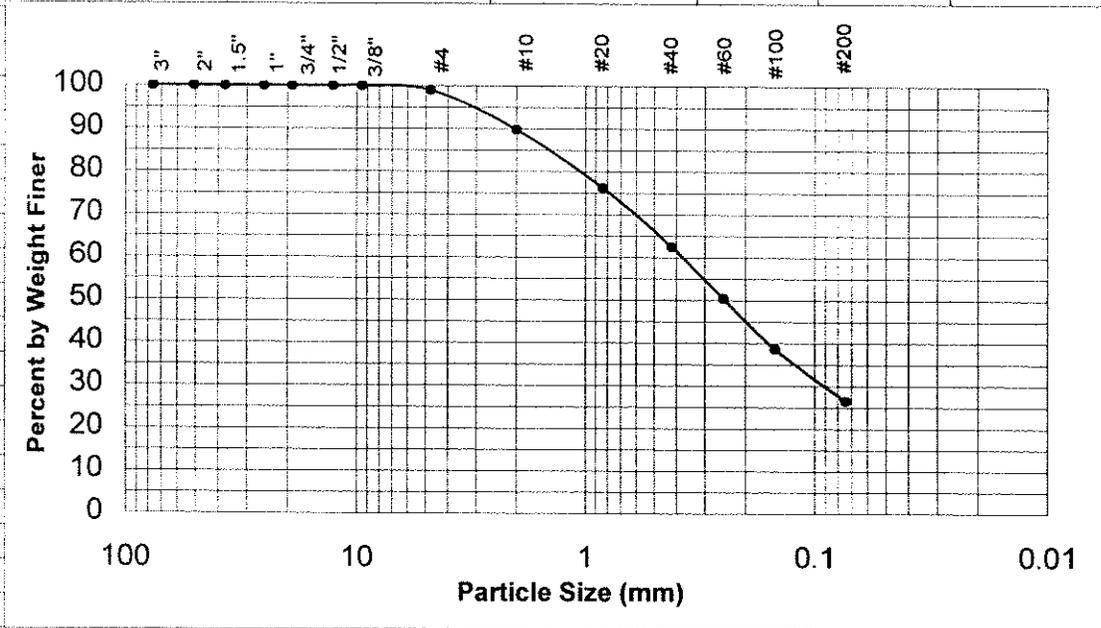
PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
		DATE:	15-Sep-03
SAMPLE SOURCE:	Cell 6A	SAMPLE No:	7
SAMPLE DESCRIP:	Red silty SAND, trace gravel		
DATA			
		SPECIFICATION	
U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	P / F
3	76.2	100.0	
2	50.8	100.0	
1.5	37.5	100.0	
1	25.4	100.0	
3/4	19.1	100.0	
1/2	12.7	98.3	
3/8	9.5	97.7	
#4	4.76	91.3	
#10	2.0	80.9	
#20	0.84	68.5	
#40	0.42	59.2	
#60	0.25	52.0	
#100	0.149	44.9	
#200	0.074	35.4	20 100 P

The graph plots Percent by Weight Finer (Y-axis, 0 to 100) against Particle Size in mm (X-axis, logarithmic scale from 100 to 0.01). The data points from the table are plotted and connected by a smooth curve. The curve shows that 100% of the sample is finer than 76.2 mm (No. 20 sieve) and that approximately 35.4% of the sample is finer than 0.074 mm (No. 200 sieve).

Water Content (%) =	15.1
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GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
		DATE:	15-Sep-03
SAMPLE SOURCE:	Cell 6A	SAMPLE No:	8
SAMPLE DESCRIP:	Red silty SAND		
DATA			
		SPECIFICATION	
U. S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	P / F
3	76.2	100.0	
2	50.8	100.0	
1.5	37.5	100.0	
1	25.4	100.0	
3/4	19.1	100.0	
1/2	12.7	100.0	
3/8	9.5	100.0	
#4	4.76	99.0	
#10	2.0	89.8	
#20	0.84	76.3	
#40	0.42	62.5	
#60	0.25	50.4	
#100	0.149	38.7	
#200	0.074	26.5	20 100 P



Water Content (%) = 14.2

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
		DATE:	19-Sep-03
SAMPLE SOURCE:	Cell 6A	SAMPLE No:	9
SAMPLE DESCRIP:	Red silty SAND		
DATA			
		SPECIFICATION	
U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	P / F
3	76.2	100.0	
2	50.8	100.0	
1.5	37.5	100.0	
1	25.4	100.0	
3/4	19.1	100.0	
1/2	12.7	100.0	
3/8	9.5	100.0	
#4	4.76	99.1	
#10	2.0	93.3	
#20	0.84	80.6	
#40	0.42	65.0	
#60	0.25	53.6	
#100	0.149	43.8	
#200	0.074	33.0	20 100 P

The graph plots Percent by Weight Finer (Y-axis, 0 to 100) against Particle Size in mm (X-axis, logarithmic scale from 100 to 0.01). The curve shows that 100% of the sample is finer than 76.2 mm, and 33.0% is finer than 0.075 mm. Key sieve sizes are marked at the top of the graph.

Water Content (%) =	14.1
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GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME: Blue Ridge		PROJECT No: 03107	
Canton, NC		DATE: 19-Sep-03	
SAMPLE SOURCE: Cell 6A		SAMPLE No: 10	
SAMPLE DESCRIP: Red silty SAND			
DATA			
U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	SPECIFICATION Min Max P / F
3	76.2	100.0	
2	50.8	100.0	
1.5	37.5	100.0	
1	25.4	100.0	
3/4	19.1	100.0	
1/2	12.7	99.1	
3/8	9.5	98.7	
#4	4.76	97.6	
#10	2.0	91.3	
#20	0.84	79.8	
#40	0.42	69.5	
#60	0.25	60.7	
#100	0.149	51.3	
#200	0.074	39.8	20 100 P

The graph plots Percent by Weight Finer (y-axis, 0-100) against Particle Size in mm (x-axis, 100 to 0.01). The data points from the table are plotted and connected by a smooth curve. The curve shows that nearly 100% of the sample is finer than 25.4 mm, and approximately 40% is finer than 0.075 mm.

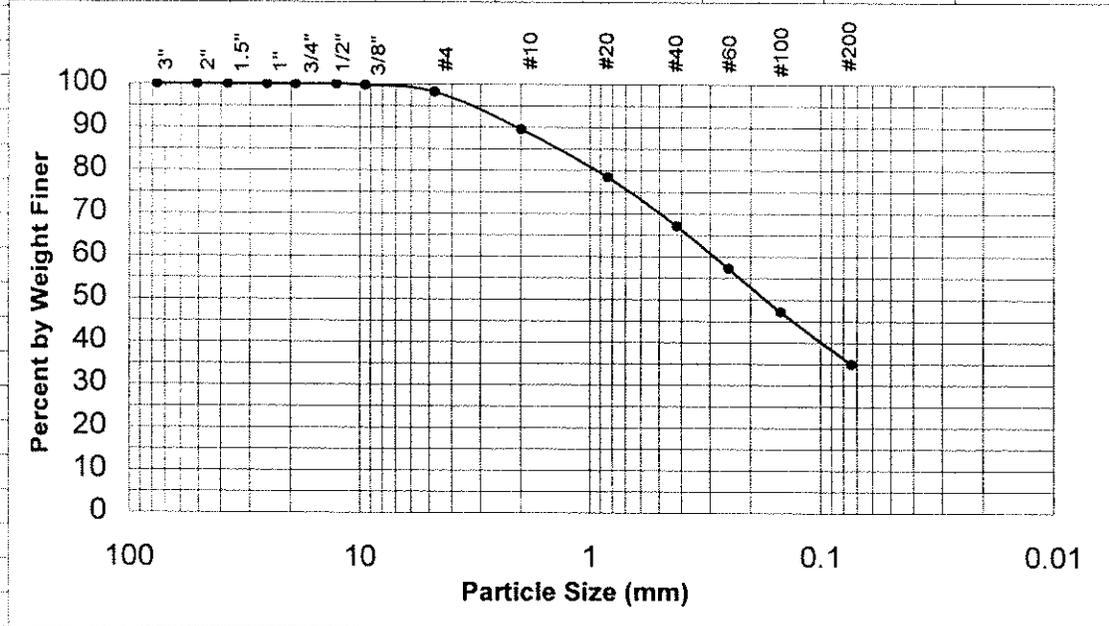
Water Content (%) = 16.4

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
SAMPLE SOURCE:	Cell 6A	DATE:	19-Sep-03
SAMPLE DESCRIP:	Red silty SAND	SAMPLE No:	11

DATA

U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	SPECIFICATION		P / F
			Min	Max	
3	76.2	100.0			
2	50.8	100.0			
1.5	37.5	100.0			
1	25.4	100.0			
3/4	19.1	100.0			
1/2	12.7	100.0			
3/8	9.5	99.8			
#4	4.76	98.2			
#10	2.0	89.6			
#20	0.84	78.5			
#40	0.42	67.1			
#60	0.25	57.2			
#100	0.149	47.2			
#200	0.074	35.0	20	100	P



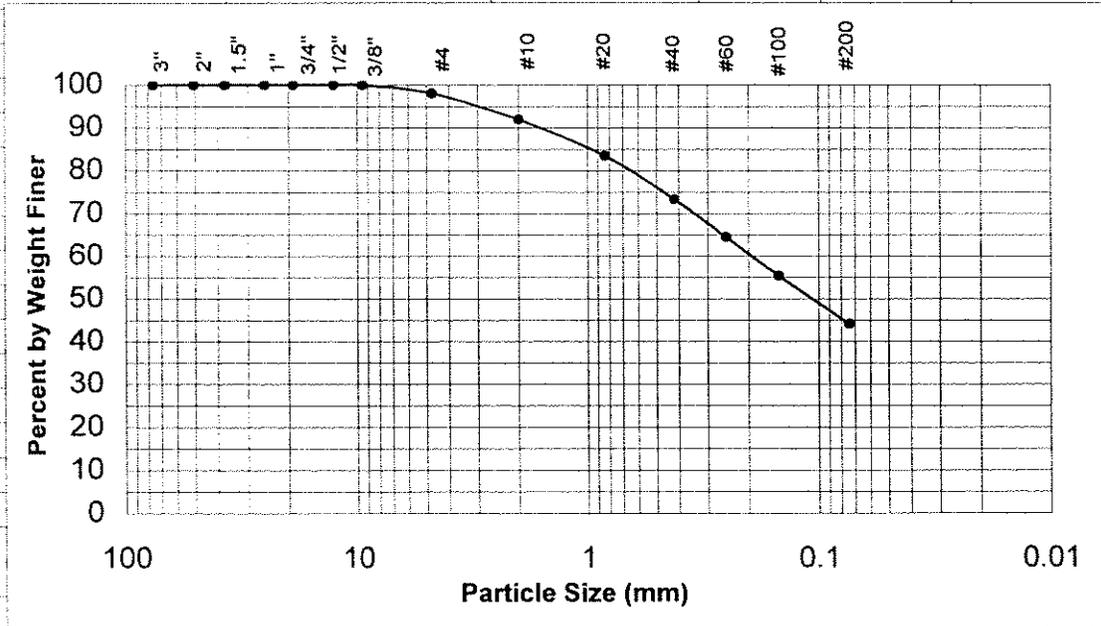
Water Content (%) = 15.3

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
		DATE:	19-Sep-03
SAMPLE SOURCE:	Cell 6A	SAMPLE No:	12
SAMPLE DESCRIP:	Red silty SAND		

DATA

U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	SPECIFICATION		P / F
			Min	Max	
3	76.2	100.0			
2	50.8	100.0			
1.5	37.5	100.0			
1	25.4	100.0			
3/4	19.1	100.0			
1/2	12.7	100.0			
3/8	9.5	100.0			
#4	4.76	98.0			
#10	2.0	92.0			
#20	0.84	83.5			
#40	0.42	73.3			
#60	0.25	64.5			
#100	0.149	55.4			
#200	0.074	44.2	20	100	P



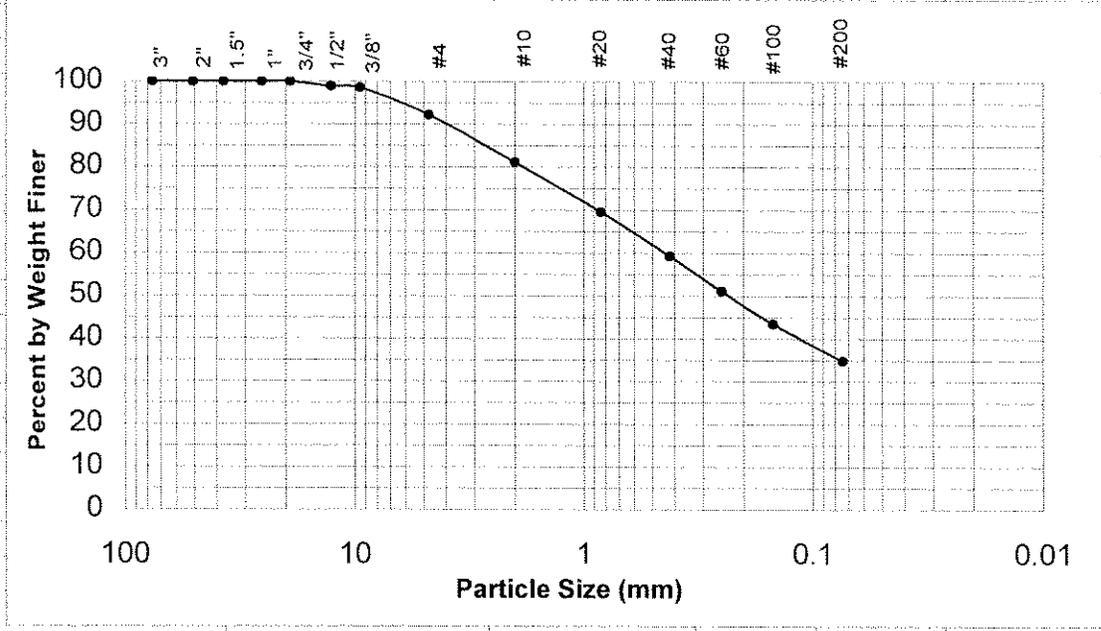
Water Content (%) = 17.5

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
SAMPLE SOURCE:	Cell 6A	DATE:	10-Oct-03
SAMPLE DESCRIP:	Red silty SAND, trace gravel	SAMPLE No:	13

DATA

U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	SPECIFICATION		P / F
			Min	Max	
3	76.2	100.0			
2	50.8	100.0			
1.5	37.5	100.0			
1	25.4	100.0			
3/4	19.1	100.0			
1/2	12.7	98.9			
3/8	9.5	98.5			
#4	4.76	92.2			
#10	2.0	81.1			
#20	0.84	69.6			
#40	0.42	59.3			
#60	0.25	51.2			
#100	0.149	43.5			
#200	0.074	34.8	20	100	P



Water Content (%) = 14.7

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
		DATE:	10-Oct-03
SAMPLE SOURCE:	Cell 6A	SAMPLE No:	14
SAMPLE DESCRIP:	Red silty SAND		
DATA			
		SPECIFICATION	
U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	P / F
3	76.2	100.0	
2	50.8	100.0	
1.5	37.5	100.0	
1	25.4	100.0	
3/4	19.1	100.0	
1/2	12.7	100.0	
3/8	9.5	100.0	
#4	4.76	97.6	
#10	2.0	87.7	
#20	0.84	75.3	
#40	0.42	65.5	
#60	0.25	57.3	
#100	0.149	47.9	
#200	0.074	35.4	20 100 P

The graph plots Percent by Weight Finer (Y-axis, 0 to 100) against Particle Size in mm (X-axis, logarithmic scale from 100 to 0.01). The data points from the table are plotted and connected by a smooth curve. The curve remains at 100% until approximately 12.7 mm, then gradually descends to 35.4% at 0.074 mm.

Water Content (%) =	13.7
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GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107		
SAMPLE SOURCE:	Cell 6A	DATE:	10-Oct-03		
SAMPLE DESCRIP:	Red silty SAND, little gravel	SAMPLE No:	15		
DATA					
U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	Min	Max	P / F
3	76.2	100.0			
2	50.8	100.0			
1.5	37.5	100.0			
1	25.4	100.0			
3/4	19.1	100.0			
1/2	12.7	95.9			
3/8	9.5	93.2			
#4	4.76	89.2			
#10	2.0	80.5			
#20	0.84	70.5			
#40	0.42	61.0			
#60	0.25	53.9			
#100	0.149	47.5			
#200	0.074	40.0	20	100	P

The graph plots the grain size distribution. The y-axis represents 'Percent by Weight Finer' from 0 to 100. The x-axis represents 'Particle Size (mm)' on a logarithmic scale from 100 to 0.01. Data points are plotted at sieve sizes: 3", 2", 1.5", 1", 3/4", 1/2", 3/8", #4, #10, #20, #40, #60, #100, and #200. The curve shows that 100% of the sample is finer than 76.2 mm, and 40% is finer than 0.075 mm.

<p style="font-size: 1.2em;">Water Content (%) = 15.0</p>

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
		DATE:	10-Oct-03
SAMPLE SOURCE:	Cell 6A	SAMPLE No:	16
SAMPLE DESCRIP:	Red silty SAND, some gravel		
DATA			
		SPECIFICATION	
U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	P / F
3	76.2	100.0	
2	50.8	100.0	
1.5	37.5	100.0	
1	25.4	100.0	
3/4	19.1	100.0	
1/2	12.7	88.3	
3/8	9.5	86.3	
#4	4.76	79.3	
#10	2.0	71.5	
#20	0.84	62.0	
#40	0.42	53.0	
#60	0.25	45.8	
#100	0.149	38.6	
#200	0.074	30.8	P
		20	100
Water Content (%) =		16.9	

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
		DATE:	10-Oct-03
SAMPLE SOURCE:	Cell 6A	SAMPLE No:	17
SAMPLE DESCRIP:	Red silty SAND, little gravel		
DATA			
		SPECIFICATION	
U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	P / F
3	76.2	100.0	
2	50.8	100.0	
1.5	37.5	100.0	
1	25.4	100.0	
3/4	19.1	100.0	
1/2	12.7	99.0	
3/8	9.5	95.6	
#4	4.76	86.9	
#10	2.0	75.6	
#20	0.84	62.2	
#40	0.42	49.3	
#60	0.25	40.0	
#100	0.149	32.1	
#200	0.074	23.9	P
		20	100

The graph plots the grain size distribution. The y-axis represents the 'Percent by Weight Finer' from 0 to 100. The x-axis represents 'Particle Size (mm)' on a logarithmic scale from 100 to 0.01. The data points from the table are plotted and connected by a smooth curve. The curve remains at 100% until approximately 12.7 mm, then gradually descends to 23.9% at 0.074 mm.

Water Content (%) = 13.9

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
		DATE:	27-Oct-03
SAMPLE SOURCE:	Cell 6A	SAMPLE No:	18
SAMPLE DESCRIP:	Red silty SAND		
DATA			
		SPECIFICATION	
U.S Std SIEVE (in.)	PARTICLE SIZE (mm)	% by WT. FINER	P / F
3	76.2	100.0	
2	50.8	100.0	
1.5	37.5	100.0	
1	25.4	100.0	
3/4	19.1	100.0	
1/2	12.7	100.0	
3/8	9.5	100.0	
#4	4.76	98.4	
#10	2.0	89.9	
#20	0.84	77.6	
#40	0.42	66.3	
#60	0.25	55.8	
#100	0.149	44.9	
#200	0.074	33.2	20 100 P

The graph plots Percent by Weight Finer (Y-axis, 0 to 100) against Particle Size in mm (X-axis, logarithmic scale from 100 to 0.01). The data points from the table are plotted and connected by a smooth curve. The curve remains at 100% until approximately 10mm, then gradually descends, passing through 98.4% at 4.76mm, 89.9% at 2.0mm, 77.6% at 0.84mm, 66.3% at 0.425mm, 55.8% at 0.25mm, and finally 44.9% at 0.149mm. The final point at 0.075mm is 33.2%.

Water Content (%) = 18.1

GRAIN SIZE ANALYSIS - ASTM D422

PROJECT NAME:	Blue Ridge Canton, NC	PROJECT No:	03107
SAMPLE SOURCE:	Cell 6A	DATE:	27-Oct-03
SAMPLE DESCRIP:	Red silty SAND, trace gravel	SAMPLE No:	19
DATA			
			SPECIFICATION
<u>U.S Std SIEVE (in.)</u>	<u>PARTICLE SIZE (mm)</u>	<u>% by WT. FINER</u>	<u>Min</u> <u>Max</u> <u>P / F</u>
3	76.2	100.0	
2	50.8	100.0	
1.5	37.5	100.0	
1	25.4	100.0	
3/4	19.1	100.0	
1/2	12.7	98.2	
3/8	9.5	97.0	
#4	4.76	94.4	
#10	2.0	87.5	
#20	0.84	78.1	
#40	0.42	65.8	
#60	0.25	55.1	
#100	0.149	45.9	
#200	0.074	38.6	20 100 P

The graph plots Percent by Weight Finer (Y-axis, 0 to 100) against Particle Size in mm (X-axis, logarithmic scale from 100 to 0.01). The data points from the table are plotted and connected by a smooth curve. Key points include: 100mm (100%), 75mm (100%), 50mm (100%), 37.5mm (100%), 25.4mm (100%), 19.1mm (100%), 12.7mm (98.2%), 9.5mm (97.0%), 4.76mm (94.4%), 2.0mm (87.5%), 0.84mm (78.1%), 0.42mm (65.8%), 0.25mm (55.1%), 0.149mm (45.9%), and 0.074mm (38.6%).

Water Content (%) =	11.7
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DAILY REPORTS

DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT : BLUE RIDGE PAPER
 CONTRACTOR: VSA
 PROJECT MANAGER: GUY COTE

DATE: 8-12-03
 DAY: TUESDAY

AVERAGE FIELD FORCE				
Name of Contractor		Crew Size	Trucks	Remarks
		7	3	Trucks arrived during day
VISITOR				
Time	Name	Representing	Remarks	
EQUIPMENT				
Exc		water truck		
Dozer				
Single drum roller				
3 site haulers				
CONSTRUCTION ACTIVITIES				
<p>Work began slowly, site trucks were still being delivered to the landfill. Drivers were being trained in how to drive the site trucks Project meeting held at 9:00am. Sequence of construction, and new seed specifications were key topics of discussion. Spent some Time with Guy Cote exploring problems with the leachate line. Mill maintenance personnel worked on the problem</p> <p>Production increased after the third site truck was delivered. The material seems to be changing very quickly making compaction Testing difficult. Guy Cote is thinking of having more proctors run to better determine what needs to take place with compaction equipment. A sheepsfoot roller may be brought in to see if it will expedite work.</p>				

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT : BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 8-13-03
 DAY: WEDNESDAY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
	7	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc	water truck		
Dozer			
Single drum roller			
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>First lift completed and second started. Guy Cote still on site in the morning. Compaction continues to be done with just a smooth drum roller</p> <p>Dozer operator is getting more comfortable with working on the slopes and is doing a better job of maintaining the proper grade. A small amount of tree roots came in from the borrow area, VSA was instructed to be more careful with the material loaded. Final site truck delivered today.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT : BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 8-14-03
 DAY: THURSDAY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
	7	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc	water truck		
Dozer			
Single drum roller			
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Completion of the second lift on the west end of the cell. Third lift was started later in the morning. Compaction is continuing to be achieved but moisture is running low. The water truck has not been utilized, second pump was broken, and the truck is missing a cap on the pump line. Blue Ridge loaned the use of their water truck for dust control and to water lift.</p> <p>Mike continues to use three of the four trucks on site due to the short haul to the work area.</p> <p>Hit a layer of rock in the high section of the borrow area. The exc. operator picked them out and set them aside. It appeared to be just one small layer.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION

DATE: 8-15-03

JOB NO.: 03107

DAY: FRIDAY

CLIENT : BLUE RIDGE PAPER

CONTRACTOR: VSA CONSTRUCTION SERVICES

PROJECT MANAGER: GUY COTE

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc	water truck		
Dozer			
Single drum roller			
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Fourth truck began hauling on site today, allowing for the third lift on the west end to be completed. Moisture continues to be low and VSA water truck still not operating due to a missing cap. Blue Ridge Paper has loaned use of there water truck to help out. Crew moved to the upper section of the south slope above the access road after west slope completed. Sections of this slope were very soft making it difficult to back trucks up the slope to dump. After roller started working the areas the trucks were supported.</p> <p>Couple areas received deep ruts from site truck but they were re-graded with stone prior to dirt cover.</p> <p>VSA to work on Saturday. Areas covered will be tested on Monday as Field Rep will be back in Maine for the weekend</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
JOB NO.: 03107
CLIENT : BLUE RIDGE PAPER
CONTRACTOR: VSA CONSTRUCTION SERVICES
PROJECT MANAGER: GUY COTE

DATE: 8-18-03
DAY: MONDAY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	

VISITOR			
Time	Name	Representing	Remarks

EQUIPMENT	
Exc	water truck
Dozer	
Single drum roller	
4 site haulers	

CONSTRUCTION ACTIVITIES

Third lift completed on the south slope above the access road. Moisture was a little low in a couple of spots, including the third lift. Area will be watered and re-compacted with sheeps-foot when it arrives.

Work shifted to the long north slope beginning on the west end moving toward the blowout area to the east. Down to three site trucks in the afternoon after one went down with mechanical failure. Water truck is running and was used to water soil placed on north slope. After compaction, moisture was still too low, area was watered again and re-compacted bringing results to acceptable levels and tests recorded.

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 8-19-03
 DAY: TUESDAY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc	water truck		
Dozer	815 sheepsfoot roller		
Single drum roller			
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Work continues on North slope nearing the blowout area.</p> <p>Project meeting held at 9:00am. Major topics of discussion were schedule, and its impact on the work that needs to be done to soft areas by BRPP, and drainage work to be done at the east end. The area was looked at later in the day with options of using drainage piping rather than the open ditch shown on the plans. It was determined the ditch option would be the most beneficial to BRPP.</p> <p>Water is still applied to each lift as soil is far too dry coming out of the borrow area. Also requires several passes with roller to achieve proper compaction.</p> <p>815 was tried on the slopes to see if it would benefit compaction but it was not affective. The machine would only spin in the material. It cannot be used for this application.</p>			

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PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 8-20-03
 DAY: WEDNESDAY

AVERAGE FIELD FORCE				
Name of Contractor		Crew Size	Trucks	Remarks
VSA		7	4	
VISITOR				
Time	Name	Representing	Remarks	
EQUIPMENT				
Exc	water truck			
Dozer	815 sheepsfoot roller			
Single drum roller				
4 site haulers				
CONSTRUCTION ACTIVITIES				
<p>First lift completed on the North slope. Soil was taken below the blowout area and through the ditch line to the section of plastic that had been installed by Blue Ridge to handle the water coming off the top of the landfill.</p> <p>Second lift was started at the west end, and water continues to be necessary for proper compaction. VSA has moved to a new location in the borrow area, requiring the use of a new proctor number. This has brought the compaction they are able to achieve down a bit.</p> <p>Site continues to be very, very dry. The last rain to fall was over the previous weekend. Water truck is needed to run almost continuously to keep dust from affecting I-40.</p> <p>Soil samples were sent back to SME for grain size tests to be run.</p>				

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PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 8-21-03
 DAY: THURSDAY
 TEMP AM 68
 PM 88
 SUNNY/ PM RAIN

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	

VISITOR			
Time	Name	Representing	Remarks

EQUIPMENT	
Exc	water truck
Dozer	815 sheepsfoot roller
	Single drum roller
	4 site haulers

CONSTRUCTION ACTIVITIES
<p>Work continues on lift number 2 North slope of landfill once again taking material down to and below the blowout section. tests are still coming in ok, two areas were re-tested after further compaction in the morning due to a couple low compaction numbers. Everything checked out fine.</p> <p>The third lift was also started in the early afternoon, but work was suspended early when a problem developed with the excavator and it needed to be shut down. The material that had been placed on the third lift was watered and compaction was started until a thunderstorm suspended all work for the day. The area will be compacted in the morning and made ready for compaction tests.</p> <p>Problem was not determined with the Excavator, and Caterpillar has instructed VSA to continue to use the machine until something more happens. The shorter day today means crew will work a longer day on Friday to make up for lost production.</p>

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 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 8-22-03
 DAY: FRIDAY
 TEMP AM 68
 PM 86

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc	water truck		
Dozer	815 sheepsfoot roller		
Single drum roller			
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Finish dozer operator started work on site today lost one truck driver, so the other dozer operator ran a site hauler to keep production up. The material placed on the third lift yesterday was watered and compacted. Compaction and moisture were both good on this section. Only one more small section was watered and rolled for testing during the day and it too tested out fine.</p> <p>The remaining material was left loose with the hope weekend rain would supply some much needed moisture to the soil. Bill V and Derric Brown were on site in the afternoon to look at the site and to look at the sort area on the top and what they would be doing about it. They are going to try and put extra material in with a second operator to get things ready for VSA. If they are not able to fill all necessary areas with waste, VSA will complete with soil, or the soft area will be left uncovered and Blue Ridge will complete it at a later date.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 8-25-03
 DAY: MONDAY
 TEMP AM 63
 PM 85
 SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
VISITOR			
Time	Name	Representing	Remarks
	Jim Giaque	BRPP	
	Derric Brown	BRPP	
EQUIPMENT			
Exc	water truck		
Dozer	815 sheepsfoot roller		
Single drum roller	single drum sheepsfoot roller		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Resumed work on the third lift of the north slope. Another section was watered and compacted in the morning. Tested out ok moisture was at the bottom—18%.</p> <p>BRPP has resumed work on the soft areas on the east end, another operator was brought in to grade the areas. Small section did slide in the blowout area, Jim and Derric came out to discuss the situation with their operator. It was decided that VSA would fill all around the area to add stability before any more waste was placed in the area. They also will have VSA haul soil to the top so a road can be built for the stone trucks to use later in the week.</p> <p>Work ended early when the excavator had a computer failure. Cat on site to try and repair in the afternoon.</p> <p>Single drum sheepsfoot was delivered to site in the morning.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 8-26-03
 DAY: TUESDAY
 TEMP AM 65
 PM 91
 SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	7	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
Dozer	single drum sheepsfoot roller		
	Single drum roller		
	4 site haulers		
CONSTRUCTION ACTIVITIES			
<p>Exc. still down in the morning, no crew on site.</p> <p>Construction meeting held at 9:00am. Mike from VSA explained a replacement excavator would be delivered at lunchtime and work would resume then.</p> <p>Finish dozer operator came in for a couple hours in the middle of the day to dress up the west slope prior to leaving for another Project.</p> <p>No excavator on site until 2:00pm, remainder of crew arrived then as well and work began. Concentration of effort was to build up the area below the north slope blow out, to supply material to the top of the cell to construct a road for the stone trucks to use and to continue with the third lift on the north slope.</p> <p>Water truck went down late in the day.</p> <p>Crew worked until 8:30pm to make up for lost production earlier in the day.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 8-27-03
 DAY: WEDNESDAY
 TEMP AM 63
 PM 85
 SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	7	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
Dozer	single drum sheepsfoot roller		
	Single drum roller		
	4 site haulers		
CONSTRUCTION ACTIVITIES			
<p>Water truck still down in the morning, one site hauler went down mid morning with a possible broken driveline. Second site hauler went down about ½ hour later with possible blown headgasket.</p> <p>The last two site trucks moved enough material to fill all the way around the north side blowout. Material was also stockpiled around the blowout in the event that Blue Ridge needed the material to fill the remaining hole. Soil was needed because the waste in that area was too unstable. VSA continued to haul soil to Blue Ridge dozer operator mid day to get the area stabilized.</p> <p>Material from the borrow area was also hauled to the top of the cell to construct a road to allow the stone trucks access to the north side of the cell. This road material will be a part of the first lift when that section of the cell is covered. Material hauled to the north side blowout is extra.</p> <p>Third site truck back in service at 1:00pm replacement water truck on site at this time as well.</p> <p>Crew went to work on the south slope below the access road about 1:30pm. Mike tried to work the area from the top but caused a problem with the waste. Work continued by filling from the bottom with better results</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 8-28-03
 DAY: THURSDAY
 TEMP AM 66
 PM 88
 SUN/HAZE/T-STORMS

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
Dozer	single drum sheepsfoot roller		
	Single drum roller		
	4 site haulers		
CONSTRUCTION ACTIVITIES			
<p>Completed first lift on the south slope below the access road. Blue Ridge water truck is on loan for dust control and compaction testing because rental water truck that VSA has on site is down. First lift tested and second started late in the morning.</p> <p>Another replacement water truck on site at 1:30pm. Roads are very dusty so water truck devoted to dust control for a while before any areas could be watered prior to final smooth drum rolling. Soft area that popped up on the first lift was covered with the second.</p> <p>Only three of the site trucks are running today. Work area is too congested to use the fourth. Driver of the parked truck has taken over full time job of running rollers to allow for the water truck operator to concentrate more on dust control. A replacement driver will be hired to run the last site truck.</p> <p>A very heavy thunderstorm hit the site late in the day dropping over an inch of rain in less than a half hour. Slopes held up very well with almost no washouts. The south slope was the hardest hit as it was the area being worked on when the storm hit. New hay bale and silt fence check dams were installed before crew left for the day in case more bad weather was on the way.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 8-29-03
 DAY: FRIDAY
 TEMP AM 65
 PM 83
 SUN/HAZE

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
Dozer	single drum sheepsfoot roller		
	Single drum roller		
	4 site haulers		
CONSTRUCTION ACTIVITIES			
<p>Crew had to clean up mud in the borrow area from last nights t-storm prior to the start of work. Compaction was the other priority of the morning to make use of the rain that fell of the dry soil.</p> <p>An access road was built up over the west slope to access the top of the cell to construct another hauling road and to extend the road for the stone trucks that Blue Ridge has scheduled. Only had two to three trucks hauling for the day due to more mechanical gremlins.</p> <p>All tests performed were excellent, the amount of rainfall kept the moisture at very consistent levels.</p> <p>VSA scheduled to work on Saturday. All areas available to them to cover, everything is tested and accepted to this point.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-02-03
 DAY: TUESDAY
 TEMP AM 66
 PM 85
 SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	7-8 varied	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
Dozer	single drum sheepsfoot roller		
	Single drum roller		
	4 site haulers		
CONSTRUCTION ACTIVITIES			
<p>Work resumed on the south slope initially to complete the 2nd lift on the east end. Blue ridge has 60 loads of stone ordered for delivery, as well as their own trucks hauling waste and lime to the top of the cell on the east end creating a lot of traffic congestion in the work area. VSA to switch over to work on the top to get out of the way.</p> <p>Two drivers were out in the morning. Mike was running the exc. to keep another operator in the seat of a site hauler to keep three trucks moving.</p> <p>Project meeting held at 9:00am.</p> <p>Called Guy Cote to ask about a potential problem that VSA was supposed to be having with the manhole, and not getting the help they needed from him, he had not heard from them and knew of no problems. VSA placed one lift across the top of the cell along the west end. All areas tested out fine and second lift was started.</p> <p>Water truck broke down again so no areas of the second lift could be tested. Mechanical problems also hit the site haulers again today. Second lift was not completed as only two trucks were left running. VSA shifted to working on the ditch lines on the north side because it was a quicker easier haul for the last two trucks to complete.</p>			

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BY: PAUL MONROE

TITLE : FIELD REP.

DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-03-03
 DAY: WEDNESDAY
 TEMP AM 66
 PM 85
 SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	9	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Second lift was completed up on the top of the cell, but water truck not yet repaired. Crew moved over the north side and covered the area that had been completed by Blue Ridge on Tuesday. South slope was the next area to be worked on, 2nd lift was completed and the third started.</p> <p>Finish dozer operator worked on the north slope, and in the ditch line along the north side to get the areas ready for topsoil.</p> <p>Water truck was repaired mid day and compaction tests were resumed. Area on the top of the cell had the 2nd lift tested, patch on north side was compacted and tested, remainder of 2nd lift on the south side tested and a portion of the third lift on the south side also compacted and tested.</p> <p>New driver worked on site today. Only had two trucks running for most of the day due to breakdowns. Three trucks were running by the end of the day, the fourth will be down until the weekend.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
JOB NO.: 03107
CLIENT: BLUE RIDGE PAPER
CONTRACTOR: VSA CONSTRUCTION SERVICES
PROJECT MANAGER: GUY COTE

DATE: 9-04-03
DAY: THURSDAY
TEMP AM 63
PM
RAIN

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	0	4	

VISITOR			
Time	Name	Representing	Remarks

EQUIPMENT	
Exc.	water truck
bulldozer	single drum sheepsfoot roller
Single drum roller	finish grade bulldozer
4 site haulers	

CONSTRUCTION ACTIVITIES
No work on site due to rain

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-05-03
 DAY: FRIDAY
 TEMP AM 61
 PM 82
 SUN

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	10	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>VSA spent the start of the day cleaning up mud in the borrow area and work area from yesterdays rain. When normal work resumed, they continued on with the third lift on the south slope below the access road.</p> <p>Soil that had been placed on Wednesday but not yet tested was rolled with the moisture from the rain with excellent results.</p> <p>The east slope was started, working south to north. As requested by BRPP the ditches were only filled enough to allow for truck access. Some of the waste material started to slide above a stormwater settling area that had not been filled. It was discussed with BRPP that the ditches must be filled to hold the soil and keep the waste from sliding down the slope under the weight of the material and equipment. The area below the slide was filled to stop any further sliding over the weekend and work was suspended in that area until next week.</p> <p>Work on the third lift on top of the cell, west end was resumed to complete the day.</p> <p>Three trucks were run all day, one remains down with a bad rear-end</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-06-03
 DAY: SATURDAY
 TEMP AM 60
 PM 76
 SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Crew completed the third lift on the top of the cell along the west end in the morning before switching to topsoil for the rest of the day.</p> <p>Topsoil was started on the west slope working from South to North then continued to the North slope.</p> <p>Three trucks were run for the day. It was necessary to pick through the topsoil due to the amount of wood and rocks that was in The material.</p> <p>Work ended at 3:00pm</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-08-03
 DAY: MONDAY
 TEMP AM 56
 PM 78
 SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>3 site trucks down in the morning only one of the 30 ton trucks left moving. Mike walked excavator out of borrow area to dig silt and mud out of the settling area adjacent to the chimney drain, and relocate a stone check dam down stream to allow for more filling of the ditch line. This will give more stability to the slope as discussed with BRPP last Friday. Task took about 1 hour to complete.</p> <p>Topsoil was hauled in the morning with the one truck.</p> <p>Still only one truck running at noon, topsoil continues to be hauled for the remainder of the day, second truck did come on line later in the day.</p> <p>Hydro-seeder shot seed into ditch line on the west end so P-300 matting could be installed.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-09-03
 DAY: TUESDAY
 TEMP AM 56
 PM 78
 PARTLY SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
Hydro-Pro	2		
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Back to one truck again and continuing with topsoil installation along the north slope. Matting continues to be installed along the ditch lines of the west and north sides. Hydro seeder also seeding more areas as they are completed.</p> <p>2nd and 3rd lifts of material were placed in the blowout area so that this section could receive topsoil as well.</p> <p>Project meeting held at 9:00am.</p> <p>Second truck was running by mid day and the third was going by early afternoon. Work continued with topsoil for the remainder of the day.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-10-03
 DAY: WEDNESDAY
 TEMP AM 54
 PM 75
 SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Work moved to the top of the cell with three trucks. The crew is working on the north side of the top, west of center, then work Shifted to the south side to allow for testing.</p> <p>A soft spot was found when a site truck went into it placing the first lift. The area was graded and will be covered easily by the second lift. North side second lift was started on the top of the cell in the afternoon.</p> <p>BRPP continues to work on completing the top of the cell on the east end. 60 more loads of stone are scheduled for today and should nearly complete things.</p> <p>New driver was interviewed late in the day and if hired could put the fourth truck back in the hauling loop to help increase production.</p>			

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 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-11-03
 DAY: THURSDAY
 TEMP AM 55
 PM 75
 MOSTLY SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	9	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Completed the second lift on the north side top of cell, west of center. Also continued with the first lift on the south side top of cell west of center briefly, before shifting the work to the east end slope south of the chimney drain.</p> <p>Southern Maintenance had the ditch lines cleaned and re-lined with stone on the south side of the chimney drain so VSA started by filling those ditches and working up slope for stability. First lift was carried to the last stone check dam prior to the chimney drain.</p> <p>Late in the day material was placed near the top of the cell on the east end to try and add more stability to that area of the cell.</p> <p>Crew worked until 8:00pm with all 4 site trucks running for most of the day.</p>			

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PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
JOB NO.: 03107
CLIENT: BLUE RIDGE PAPER
CONTRACTOR: VSA CONSTRUCTION SERVICES
PROJECT MANAGER: GUY COTE

DATE: 9-12-03
DAY: FRIDAY
TEMP AM 51
PM 75
MOSTLY SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	

VISITOR			
Time	Name	Representing	Remarks

EQUIPMENT	
Exc.	water truck
bulldozer	single drum sheepsfoot roller
Single drum roller	finish grade bulldozer
4 site haulers	

CONSTRUCTION ACTIVITIES

Started the day with 4 trucks running for a short time before one went down with broken driveline as a result of multiple roll-overs. second truck was rolled heavily breaking suspension components on it. Only two trucks remained for the remainder of the day slowing work considerably. Work continues on the east slope south of the chimney drain.

Material not completed to any specific lift height was smooth drum rolled to seal it from moisture in the event of any rain over the weekend.

Area on the top of the cell east end was rolled and first lift tested.

VSA worked until 8:00pm and it was decided that a small crew would work on Saturday to help make up for time lost with trucks going down today.

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PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-13-03
 DAY: SATURDAY
 TEMP AM
 PM

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	1	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Crew was scheduled to work as of the end of the day on Friday. Only one equipment operator on site in the morning. He made changes to the ditch on the south east corner to make sure water didn't flow out into the road in the event of heavy rain. Supt. could not be reached to find out what the plan was for the day. Finally gave up and left the site around 10:30am</p>			

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JOB NO.: 03107
CLIENT: BLUE RIDGE PAPER
CONTRACTOR: VSA CONSTRUCTION SERVICES
PROJECT MANAGER: GUY COTE

DATE: 9-15-03
DAY: MONDAY
TEMP AM 64
PM 75
Partly Sunny

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
Hydro Pro	2		

VISITOR			
Time	Name	Representing	Remarks

EQUIPMENT	
Exc.	water truck
bulldozer	single drum sheepsfoot roller
Single drum roller	finish grade bulldozer
4 site haulers	

CONSTRUCTION ACTIVITIES

Day began with only one truck running, a second was running by mid morning and a third came on line after 1:00pm.

Second lift that had been started last Friday on a small section of the east end was completed. Work shifted back to the slope on the east end, south of the chimney drain, second lift was completed and tested, allowing for the start of the third lift in this area shortly after noon.

Third lift on the east end slope north of chimney drain completed by 6:30 pm. Trucks were sent back to hauling to the small top section that has been covered to begin the third lift in that area for the remainder of the day.

Hydro-seeder on site late in the day. Seed was shot in the north side ditch line so that more P-300 could be installed. Seed also shot on to a section of the north side slope.

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT : BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-16-03
 DAY: TUESDAY
 TEMP AM 53
 PM 75
 Sunny

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	9	4	

VISITOR			
Time	Name	Representing	Remarks

EQUIPMENT	
Exc.	water truck
bulldozer	single drum sheepsfoot roller
Single drum roller	finish grade bulldozer
4 site haulers	

CONSTRUCTION ACTIVITIES

Completed the third lift of cover soil on the small top section on the east end. East end slope south of the chimney drain was watered and compacted in the morning.

Work shifted back to the top of the cell west of center. The north half of this section received a second lift, and the south half received the start of the first lift late in the afternoon. Soft spot was found when site truck sunk into it. It appears to be a very small spot and will be easy to cover.

Project meeting held at 9:00am followed by a site visit by Jim Giauque to go over the borrow area grading that is needed after cover soil is completed, and to discuss the extra soil BRPP needs to have hauled to a couple of the old cells to fill low spots. VSA to haul material only BRPP operators will grade the material when needed.

Southern Maint. completed the stone installation in the north east ditch lines so VSA can begin covering that area any time they would like.

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-17-03
 DAY: WEDNESDAY
 TEMP AM 53
 PM 77
 Sunny

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	

VISITOR			
Time	Name	Representing	Remarks

EQUIPMENT	
Exc.	water truck
bulldozer	single drum sheepsfoot roller
Single drum roller	finish grade bulldozer
4 site haulers	

CONSTRUCTION ACTIVITIES
<p>Heavy fog in the morning- VSA completed the first lift on the top section started yesterday-west of center, south side.</p> <p>Work shifted to topsoil installation on the south slope, both above and below the access road.</p> <p>The next area to be worked on was the east end slope, north of the chimney drain. This was started mid afternoon. Work was done between the stone check dams in the ditch line keeping them intact in case we experienced heavy rain, as requested by BRPP.</p> <p>Three trucks ran all day with no breakdowns to slow production.</p> <p>Hydro-seeder is scheduled to be back on site Thursday to shoot the south slope.</p>

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PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-18-03
 DAY: THURSDAY
 TEMP AM 54
 PM 74

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
Hydro-Pro	2		
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Continued with the first lift on the east end slope north of the chimney drain. Finish dozer operator is grading east end slope south of the chimney drain to get it ready for the topsoil.</p> <p>All four trucks running for the first time in several days Jim Giauque gave VSA the green light to close up more of the ditch line north of the chimney drain to allow for more slope cover. He also wanted the cover soil to be taken to the very edge of the sediment pond located at the chimney drain to get as much of the slope covered as possible.</p> <p>Dozer operator was placing material too thick on the east end slope-lift 1. Test holes were dug and sections of the slope had an extra 6 inches of material. The same problem was found on the top of the cell where the second lift was being placed.</p> <p>Hydro-seeder was on site to seed the south slope.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-19-03
 DAY: FRIDAY
 TEMP AM 54
 PM 74

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	9	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Resumed work on the east end slope north of the chimney drain. For the second lift, the trucks are coming in from the top and driving down the slope to dump rather than backing up the slope—should prove to be a faster method.</p> <p>Finish dozer operator continues to grade and shape the slope south of the chimney drain.</p>			

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PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-22-03
 DAY: MONDAY
 TEMP AM 56
 PM 68
 Clouds/Rain

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	9	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Late start in the morning due to the threat of rain, but the site was dry so VSA went to work after 8:00am</p> <p>Topsoil placed on the east slope as a continuation of the work started on Saturday, before crew moved back to the top of the cell to continue work with the second lift.</p> <p>The area of the landfill that had been previously washed out by the flow from the drain pipes installed at the top by BRPP was tested. The first two lifts of soil had been placed over the weekend after the area was repaired by BRPP last Friday.</p> <p>On and off light showers became a more steady rain after 3:00pm. Work was suspended shortly after 4:00pm. Returned to the site at 5:45 because the rain had become very heavy and needed to check the integrity of the chimney drain. The flow from the ditch lines into the sediment basins located on either side of the drain. Southern Maintenance had been called in to monitor the area, and Mike Able of VSA pushed up a berm along the north east ditch line to help contain the flow. Left the site at 7:00pm, rain expected to end soon, chimney drain was keeping up with the flow.</p>			

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 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-23-03
 DAY: TUESDAY
 TEMP AM 52
 PM 68
 SUNNY

AVERAGE FIELD FORCE				
Name of Contractor		Crew Size	Trucks	Remarks
VSA		9	4	
VISITOR				
Time	Name	Representing	Remarks	
EQUIPMENT				
Exc.	water truck			
bulldozer	single drum sheepsfoot roller			
Single drum roller	finish grade bulldozer			
4 site haulers				
CONSTRUCTION ACTIVITIES				
<p>The site was very muddy in the morning, the day started with both dozers scraping off the layer of mud to make it easier for the trucks to haul.</p> <p>Cover soil was hauled to the top of the cell, but only tree trucks are running.</p> <p>Third lift west of centerline was started immediately after completion of second.</p>				

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PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-24-03
 DAY: WEDNESDAY
 TEMP AM 50
 PM 77
 SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Resumed work on the top of the cell—third lift west of center. Only three of the site trucks are hauling material today the fourth is still parked out in the borrow area. Work is happening very slowly this morning with only three loads on the cell by 8:15. At mid day still only had the three trucks running. The third lift on the westerly end of the cell is nearing completion, this will leave only a section of the top, East of center to cover.</p> <p>Fourth truck was on-line early in the afternoon. The operator that had been running the lifts was switched over to the smaller finish dozer, and the Supt. will take over on the lift. The regular finish operator is out sick. The east end slope south of the chimney drain is ready for seed. The cover soil thickness was checked in three locations on the east end, each one was a couple inches heavy on material.</p> <p>Cover soil started on the last section of exposed stone late in the day. VSA plans to have the cover soil in place by Friday night.</p> <p>Used dozer to dig a test hole on the north slope to determine why leachate was coming out of the cover soil. A soil dam had been created when BRPP operators filled a blowout area with extra soil. A very heavy lift of stone was then installed but was not tied into the existing stone cover. This created both a dam in the slope and a chimney for the leachate to escape through. Southern Maint. to correct the problem in the morning.</p>			

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JOB NO.: 03107
CLIENT: BLUE RIDGE PAPER
CONTRACTOR: VSA CONSTRUCTION SERVICES
PROJECT MANAGER: GUY COTE

DATE: 9-25-03
DAY: THURSDAY
TEMP AM 53
PM 82
SUNNY

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
Hydo-Pro	2		

VISITOR			
Time	Name	Representing	Remarks

EQUIPMENT	
Exc.	water truck
bulldozer	single drum sheepsfoot roller
Single drum roller	finish grade bulldozer
4 site haulers	

CONSTRUCTION ACTIVITIES

Very foggy in the morning, VSA hesitant to start hauling until the fog began to lift. This put a slow start on the day with the first load of cover soil not reaching the cell until 8:30am.

Continuing to cover the last section on the top of the cell east of center. Started with all four trucks running but a flat tire on one took it out of circulation for several hours. The trucks continuing to run, are moving very slowly creating a lot of down time for the dozer operator. The crew seems to have no sense of urgency, or desire to complete the project quickly.

The lift thickness seemed to be pretty good today with the operator hitting the ribbons on the grade stakes. Bill V on site to inspect the cell after the heavy rain earlier in the week to determine what areas needed to be repaired, and what could be left alone.

The crew worked until 8:00pm. It does help to make up for the late starts to the day, but production is very slow at this time.

Road section along the east end of the cell was uncovered as requested by BRPP so that additional stone could be placed before remaining cover soil was installed.

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TITLE : FIELD REP.

DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-26-03
 DAY: FRIDAY
 TEMP AM 60
 PM

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	9	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Late start to the day again. Still no VSA crew on the cell at 8:00am. First load of material on the cell at 8:30am. The stone on the last section has still not been covered by the first lift.</p> <p>Crushed stone was delivered in the morning for BRPP to spread along the road sections of the cell. VSA cut the cover soil back along the south side road in the morning as well. Once all stone was in place all remaining cover soils could be placed. Because this cut off access to the top of the cell VSA hauled the extra material to the two older cells that needed some sections re-graded to keep the trucks moving.</p> <p>End caps for the drain pipes were delivered to the site by Bill V in the morning.</p> <p>Jim Giauque on site to go over the grading work necessary in the borrow area. VSA had estimated 50 hours, BRPP wants a lot less than that. Work resumed on the cell about 3:00pm. And continued until 8:00pm.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-27-03
 DAY: SATURDAY
 TEMP AM 55
 PM 75
 Partly Sunny/Showers

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	9	4	
Hydro Pro	2		
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Another late start to the day. Crew went to work about 8:00am, project supt. did not arrive until 8:30am. Fortunately the crew made a choice to go to work without him.</p> <p>Work continued on the second lift top of cell East of center. Work progressing quite well, better than in previous days. The diversion berm located on the west end of the cell was also completed and a section of the top (west end) was graded and hydro-seeded.</p> <p>East end slope also received a section of hydro-seed.</p> <p>Showers moved in late in the afternoon-work was suspended around 5:00pm due to the muddy conditions. Did not receive enough rain to cause an erosion problem around the cell. Just enough water to help the seeding.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-28-03
 DAY: SUNDAY
 TEMP AM 56
 PM
 Mostly Sunny

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
Hydro Pro	2		

VISITOR			
Time	Name	Representing	Remarks

EQUIPMENT	
Exc.	water truck
bulldozer	single drum sheepsfoot roller
Single drum roller	finish grade bulldozer
4 site haulers	

CONSTRUCTION ACTIVITIES
<p>Completing second lift on the top of the cell east of centerline in the morning, before starting on the final lift mid day. Also began to close out the last section on road that had been covered in crushed stone last week.</p> <p>Met with two local carpenters at noon to discuss the headwall form construction. A tentative plan was made as to how they should be constructed, and the size that would be required. It is intended that as much pre-fabrication as possible be done to ease installation. Dimension, and installation plan will be discussed with Guy Cote on Monday to make sure it will be adequate.</p> <p>Hydro Pro on site to continue with seeding of the top of the cell on the west end.</p>

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PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-29-03
 DAY: MONDAY
 TEMP AM 41
 PM 64
 Sunny

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	8	4	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.	water truck		
bulldozer	single drum sheepsfoot roller		
Single drum roller	finish grade bulldozer		
4 site haulers			
CONSTRUCTION ACTIVITIES			
<p>Scheduled to be the final day hauling cover soil and top soil to the cell, completing the last section on the top and completing the road section on the way out.</p> <p>Finish grading work also continues on the top of the cell in preparation for more seeding work.</p> <p>All four trucks were able to run for the entire day, one small mechanical problem with the excavator fuel filter did cause a brief delay until a new filter could be located.</p> <p>Crew worked until 8:00pm but was not successful in getting the soil hauled. A small section of the north slope that had not yet received the third lift of soil and topsoil was also covered around 6:00pm. The remaining soil that is needed to cover the road section will need to be completed in the morning before the equipment begins to be hauled off.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 9-30-03
 DAY: TUESDAY
 TEMP AM 39
 PM 64
 Sunny

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	7-4	1	Crew size reduced during the day
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.			
bulldozer			
finish grade bulldozer			
1 site hauler			
CONSTRUCTION ACTIVITIES			
<p>Crew completed the hauling of all soil materials between 9:30 and 10:00am then focused on cleaning the equipment to prep it to leave the site.</p> <p>Project meeting held at 9:00am</p> <p>One site hauler the water truck, and the sheepsfoot roller were sent off the site today. The smooth drum roller was sent out yesterday. The 330 exc., and two more site trucks are off rent parked in the borrow area.</p> <p>Smaller excavator was also delivered to the site to be used for pipe installation.</p> <p>Installed the first 60' section of culvert pipe across the access road area of the cell on the south west corner. Extra fill material was hauled in from the borrow area to place additional cover over the culvert after installation.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 10-01-03
 DAY: WEDNESDAY
 TEMP AM 34
 PM 62
 Mostly Sunny

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	5	1	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.			
bulldozer			
finish grade bulldozer			
1 site hauler			
CONSTRUCTION ACTIVITIES			
<p>Borrow area grading being done with the high-track dozer before it is taken off rent. Jim Giauque went over what was expected With Mike Able on Tuesday afternoon. Total grading time was 8 hrs. with the single machine. A section of slope on the south side will still need to be "walked in" and this will be done with the smaller dozer at a later date, but prior to hydro-seeding</p> <p>Surveyor was scheduled to start topo of the cell today but was not on site</p> <p>Cross pipe under south side landfill road was installed in the morning. To allow for adequate cover over the pipe in the road area, the outlet of the pipe needed to be lower than the existing culvert that drained the area. BRPP will have Southern Maint. lower the culvert at a later date. On the inlet side the pipe was run over the top of the liner so no headwall will be necessary in this location</p> <p>Pipe work shifted to the north side of the cell in the afternoon, with a decision being made to re-use the existing drainage structure at CB4 because it was identical to the replacement structure purchased by VSA. BRPP had previously accepted square structures rather than the round ones specified in contract docs. The existing outlet connections were in good shape so there was little need to Break it out. This should speed up pipe installation time. More structures may be re-used on a case by case situation.</p>			

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PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 10-02-03
 DAY: THURSDAY
 TEMP AM 36
 PM 64
 Mostly Sunny

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	4	1	
Hydro-Pro	2		
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.			
1 site hauler			
finish grade bulldozer			
CONSTRUCTION ACTIVITIES			
<p>Piping into CB-3 from inside the cell ditch line installed. Existing pre-cast structure was left in place as it had been done with CB-4. The structure was in good condition as was the connection to the existing outlet piping. VSA did a better job of working around the liner than on the last structure.</p> <p>Hydro Pro was on site to seed on the east end of the cell.</p> <p>The inlet basin in the south side ditch line was re-shaped as requested by BRPP, will need to be re-seeded before matting can be installed.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 10-03-03
 DAY: FRIDAY
 TEMP AM 36
 PM 67
 Mostly Sunny

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	4	1	
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.			
1 site hauler			
finish grade bulldozer			
CONSTRUCTION ACTIVITIES			
<p>VSA removed approximately 140' of 12" plastic drainage pipe and replaced it with 18" HDPE between CB-3 and MH-1. Pipe was a little deeper than expected with approximately 5' of cover.</p> <p>The 4' dia. pre-cast manhole that had been delivered to the site had no penetrations in it for the pipe connections. The holes were to be field cut, but this was not possible due to the configuration of the structure. It was too short, placing the penetrations all the way into the ship-lap of the barrel causing the concrete to break. The problem was discussed with Bill V of BRPP and due to the fact that we had extra square pre-cast structures on site with an appropriate height, one of those would be used to construct MH-1.</p> <p>Cross pipe connecting the north west ditch to the existing drainage out-fall structure was also installed in the afternoon, requiring 68' of pipe.</p> <p>Finish dozer operator continues grading east end to prepare for hydro-seed.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 10-04-03
 DAY: SATURDAY
 TEMP AM 36
 PM 69
 Mostly Sunny

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	5	1	
Hydro-Pro	2		
VISITOR			
Time	Name	Representing	Remarks
EQUIPMENT			
Exc.			
1 site hauler			
finish grade bulldozer			
CONSTRUCTION ACTIVITIES			
<p>Set the final drainage structure (MH-1) and connected the 12" inlet, 18" inlet, and 18" outlet pipes. A square structure was used in this application as approved by Bill V of BRPP due to an incorrectly sized round pre-cast. A pre-cast top is required for this structure. It was not immediately available from the pre-cast supplier and will need to be installed in a week or two.</p> <p>Completed the finish grading of the east end slope north of the chimney drain and shaping of the last ditch section on the north east corner.</p> <p>P-300 matting installed in last sections of ditch as well. Because the chimney drain needs to be left open until the drainage piping can be opened up last of the ditches can not be constructed on the east end. BRPP will schedule this work with Southern Maint. when the conditions allow it. This may not take place until next summer. The necessary P-300 matting will be left with BRPP so it will be available for installation.</p> <p>A 4' dia. Pre-cast top was installed on MH-1 as a temporary cover until the new top arrives. A soil berm was also placed around the structure to keep truck traffic away from it until it is completed.</p> <p>Hydro Pro on site to seed ditches prior to matting installation.</p>			

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DAILY CONSTRUCTION REPORT

PROJECT: BLUE RIDGE PAPER 6A EAST COVER CONSTRUCTION
 JOB NO.: 03107
 CLIENT: BLUE RIDGE PAPER
 CONTRACTOR: VSA CONSTRUCTION SERVICES
 PROJECT MANAGER: GUY COTE

DATE: 10-06-03
 DAY: MONDAY
 TEMP AM 42
 PM 68
 Mostly Sunny

AVERAGE FIELD FORCE			
Name of Contractor	Crew Size	Trucks	Remarks
VSA	4	1	

VISITOR			
Time	Name	Representing	Remarks

EQUIPMENT
Exc.
1 site hauler
finish grade bulldozer

CONSTRUCTION ACTIVITIES

VSA completed the shaping of the south side pipe inlet basin. Work then shifted to backfilling pipe on the north side of the cell.

The carpenter is scheduled to arrive in the morning to build the headwall forms so these areas are not to be backfilled. All other areas including the shaping of the inlet basins and repairs to the road can be done.

Project meeting held at 11:00am to discuss completion of the project and what work remains. BRPP and SME had compiled lists of work required for completion, both were discussed during the meeting.

Carpenter arrived around 11:30 to start on headwall form construction. VSA did not give him clear direction on what he had to construct and had to build the first one a couple of times.

Dozer operator made the last of the storm related repairs to the cover soil to allow for the seeding to take place on Tuesday.

Hydro-Pro was originally scheduled to seed today but had to push things back to Tuesday.

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6A-EAST CLOSURE

PHOTOGRAPHS

6A-East Closure Project Photos



West slope



West Slope, North West corner



Borrow area, week 1

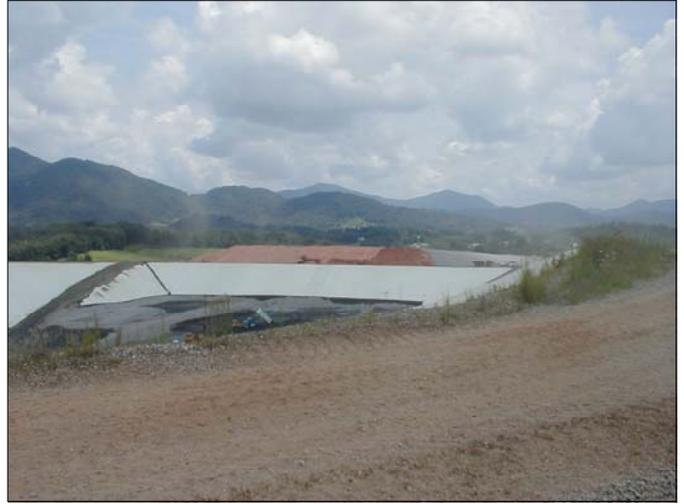


West slope cover soil installation

6A-East Closure Project Photos



West slope lift #2



West slope overall progress week #1



South slope cover above access road



South slope

6A-East Closure Project Photos



Borrow area week #2



Borrow area



North slope



Borrow area week #3

6A-East Closure Project Photos



North slope cover soil installation



North slope



Finnish grade west slope



Borrow area

6A-East Closure Project Photos



North slope compaction



South east slope cover soil installation



Top of cell East end prior to completion



Top of cell lift #1

6A-East Closure Project Photos



Top of cell west end



Top of cell



Compaction on South slope



Cover soil installation above chimney drain

6A-East Closure Project Photos



Progress in borrow area



Hydro-seed on west slope



cover soil installation north east corner



Top of cell east end

6A-East Closure Project Photos



Hydro-seed top of cell-west end



Final lift top of cell



borrow area final day of excavation



Inlet basin construction south side

6A-East Closure Project Photos



Completed ditch line south east corner



Pipe inlet location-north west corner



Completed ditch line north east corner

RECORD DRAWINGS

