Fac/Perm/Co ID #	Date	Doc ID#
44-06	12/20/11	15798

RECEIVED

DEC 15 2011

SOLID WASTE SECTION
ASHEVILLE REGIONAL OFFICE

LANDFILL NO. 6
AREA A-WEST CLOSURE AMENDMENT
CANTON, NORTH CAROLINA

EVERGREEN PACKAGING
CANTON, NORTH CAROLINA

- STATEMENT OF COMPLIANCE
- DAILY/WEEKLY REPORTS, MEETING MINUTES
- QA/QC SOILS
- SUBMITTALS
- ANALYTICAL RESULTS - ORCHARD SOIL
- PHOTOGRAPHS
- RECORD DRAWINGS

November 2011

NORTH CAROLINA PROFESSIONAL SEAL 037702 ENGINEER GUY H. COTE, JR.

SME
Sevee & Maher Engineers, Inc.

ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

4 Blanchard Road, PO Box 85A, Cumberland Center, ME 04021 • Phone 207.829.5016 • Fax 207.829.5692 • www.smemaine.com

evergreen packaging

Canton Office
175 Main Street • Canton, NC 28716

RECEIVED

DEC 15 2011

SOLID WASTE SECTION
ASHEVILLE REGIONAL OFFICE

Hand Delivered

December 14, 2011

Mr. Allen Gaither
North Caolina DENR
Division of Waste Management
2090 US Highway 70
Swannanoa, NC 28778

RE: Landfill Number 6, Area A West Closure Amendment, Permit Number 44-06

Dear Mr. Gaither:

Attached for your reference is a copy of the above closure report for the construction of the Area 6A West cap. The project was completed on October 26, 2011. The report includes the project description, statement of compliance, soil analytical results, as-built drawings, photographs, and reports associated with the completion of the project. Also included is a cd with the report contents.

Please let us know if you have any questions regarding this report.

Sincerely,

James A. Giauque
Waste Compliance & Landfill Supervisor
Blue Ridge Paper Products Inc.
Jim.giauque@everpack.com
828-646-2028 Fax 828-646-6892

Paul Dickens
Manager, Environmental Affairs
Blue Ridge Paper Products Inc.
paul.dickens@everpack.com
828-646-6141 Fax 828-646-6892

File:lf6a west closure report
Enclosure

LANDFILL NO. 6
AREA A-WEST CLOSURE AMENDMENT
CANTON, NORTH CAROLINA

EVERGREEN PACKAGING
CANTON, NORTH CAROLINA

- STATEMENT OF COMPLIANCE
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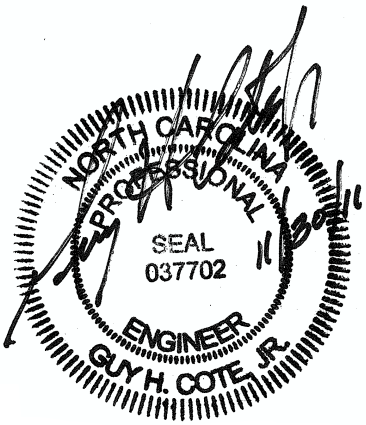
November 2011



SME
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ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

4 Blanchard Road, PO Box 85A, Cumberland Center, ME 04021 • Phone 207.829.5016 • Fax 207.829.5692 • www.smemaine.com

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LIST OF ATTACHMENTS

1. STATEMENT OF COMPLIANCE
2. DAILY/WEEKLY REPORTS, MEETING MINUTES
3. QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) SOILS
4. SUBMITTALS
5. ANALYTICAL RESULTS – ORCHARD SOIL
6. PHOTOGRAPHS
7. RECORD DRAWINGS

LANDFILL NO. 6
AREA A-WEST CLOSURE AMENDMENT
EVERGREEN PACKAGING
CANTON, NORTH CAROLINA

1.0 PROJECT DESCRIPTION

This report contains construction documentation for Landfill No. 6, Area A-West Closure Amendment, at Evergreen Packaging (Evergreen) located in Canton, North Carolina. Area A-West consists of an approximate 18-acre secure landfill cell located along the north side of Evergreen Landfill No. 6. Area A-West is part of the Evergreen Landfill No. 6 approved by the North Carolina Department of Environment and Natural Resources (NCDENR) with Permit No. 44-06 amended June 15, 2011 for this project.

The final cover system of Area A-West consists of a soil barrier and vegetative layer to minimize future leachate generation. The specific layers from the base of the cover system include: a 12-inch layer of drainage stone placed over the waste on the crown and sideslopes. On the sideslopes (slopes greater than 10 percent) the drainage stone was covered by a minimum 18 inches of compacted off-site borrow overlain by a 6-inch stone layer overlain by a 12-inch layer of compacted cover soil. On the crown, the drainage stone was covered by a minimum 24 inches of compacted off-site borrow overlain by a 12-inch layer of compacted cover soil. A 4-inch layer of vegetative cover soil was placed over the entire cell followed by an application of fertilizer, seed, and mulch. The details of the materials used and quality control are described herein.

Closure of Area A-West began June 22, 2011 and was substantially completed on October 26, 2011. The parties involved with the construction of this project are summarized in Table 1.

TABLE 1

Organization	Responsibility
Evergreen Packaging	Owner
Sevee & Maher Engineers, Inc.	Designer, Quality Assurance, Resident Engineer, Owner's Representative
Tennoca Construction Company	General Contractor
Froehling & Robertson, Inc.	Soils Laboratory
Pace Analytical	Analytical Soils Laboratory
Ed Holmes Surveying	Survey Subcontractor
High Country Hydroseeding	Seeding Subcontractor

Sevee & Maher Engineers, Inc. (SME) has provided a written certification signed and sealed by a Professional Engineer licensed in North Carolina in the "Statement of Compliance" contained in Attachment 1. Daily construction reports, weekly construction reports, and in-place quality assurance (QA) reports were prepared by SME. Copies of the daily and weekly reports are located in Attachment 2 and copies of QA results are located in Attachment 3. Submittals supplied by the contractors for the materials are included in Attachment 4.

2.0 CONSTRUCTION AND QUALITY ASSURANCE ACTIVITIES

2.1 Site Preparation and Fine Grading

Prior to initiating earthwork activities erosion control measures were installed as shown on the Contract Drawings and following guidelines set forth by "Haywood County Erosion and Sediment Control Ordinance". All stormwater from Area A-West was contained in the cell and treated as leachate prior to the new stormwater piping system being connected to the existing stormwater collection system.

Prior to placement of cover material, Tennoca Construction Company (Tennoca) of Candler, North Carolina graded the existing waste in Area A-West. The waste was graded to a maximum 3H:1V slope and smoothed to limit uneven cover soil depths. Waste was removed along the ditch lines exposing the existing leachate collection stone layer to ensure a direct connection to the cover system drainage stone layer.

2.2 Drainage Stone Installation

Installation of the 12-inch drainage stone layer began on June 23, 2011 and was completed on October 24, 2011. The 12-inch layer of #67 drainage stone was placed over existing waste covering the entire cell. Approximately 55,000 tons (40,000 cubic yards (cy)) of stone was supplied by Vulcan Materials (Vulcan) of Enka, North Carolina and placed by Tennoca. Borrow source samples were collected and tested for grain size by Vulcan. On-site samples were collected for grain size analysis by SME and tested by Froehling and Robertson (F&R) of Asheville, North Carolina as specified by North Carolina Department of Transportation in the 2006 Specifications Book (page 10-22). During installation a representative of SME observed the preparation and placement to ensure specification compliance. Stone test results are included in Attachment 3.

2.3 Off-Site Borrow Soil Placement

Placement and compaction of off-site soil began on July 7, 2011 and was substantially completed on October 4, 2011. The minimum thickness of off-site soil was 24 inches on the crown and 18 inches on the sideslopes. The maximum thickness on the crown of off-site soil ranged to 6 feet. The soil was placed in lifts over the drainage stone as shown on the construction drawings. The maximum lift thickness was three feet. Approximately 160,000 tons (110,000 cy) of off-site soil was placed over the cell.

Off-site soil was excavated from Barber Orchard in Waynesville, North Carolina and hauled to Area A-West by Environmental Restoration, LLC (ER) of St. Louis, Missouri. The soil removal from Barber Orchard was overseen and funded by the U.S. Environmental Protection Agency (U.S.EPA). The off-site soil contained trace amounts of metals, pesticides and herbicides, below maximum allowable concentration levels as specified in the Off-Site Borrow Soil Work Plan. Analytical samples of the off-site soil were collected by SME and analyzed by Pace Analytical (Pace) of Asheville, North Carolina in accordance with the Off-Site Borrow Soil Work Plan. All analytical samples were below the criteria levels specified in the Off-Site Borrow Soil Work Plan. A summary of samples and test results are included in Attachment 5. A total of 16

analytical samples were collected. In addition, two duplicate samples were collected for quality assurance.

The off-site soil was spread and compacted by Tennoca. In-place compaction tests were conducted by SME. A total of 37 nuclear density gauge field tests were taken in the off-site soils. SME collected standard proctor and grain size analysis samples of the soil for quality assurance and quality control testing as outlined in the project specifications. A total of 33 grain size analysis and ten standard proctor samples were collected. Results of the in-place density and QA/QC tests are in included in Attachment 3.

2.4 Additional Drainage Stone Installation

In order to provide adequate drainage, an additional 6-inch layer of drainage stone was placed over the off-site soil on the sideslopes.

Installation of the 6-inch drainage stone layer began on August 11, 2011 and was completed October 20, 2011. Approximately 6,600 tons (5,000 cubic yards) of stone was supplied by Vulcan and spread by Tennoca. Borrow source samples were collected and tested for grain size by Vulcan. On-site samples were collected for grain size analysis by SME and tested by F&R as outlined in the project specifications. A combined total of 59 borrow source and six on-site samples were collected for both the 12- and 6-inch drainage stone layers. During installation a representative of SME observed the preparation and placement to ensure specification compliance. Stone test results are included in the Attachment 3.

2.5 Cover Soil Placement and Compaction

A 12-inch layer of 6-inch minus screened cover soil was placed over the entire cell. Soil from an existing on-site stockpile was screened and stockpiled to the west of the cell. Placement of the screened soil began on September 12, 2011 and was completed on October 25, 2011. Approximately 40,000 cy of cover soil was spread over the entire cell.

A total of 85 nuclear gauge field density tests were taken in the cover soil by SME. SME collected standard proctor and grain size analysis samples of the cover soil for QA/QC testing as outlined in the project specifications. A total of four grain size analysis and four standard proctor borrow source samples were collected. A total of eight in-place grain size analysis samples were collected. Results of the in-place density and QA/QC tests are included in Attachment 3.

2.6 Vegetative Soil Placement

Installation of the 4-inch vegetative soil layer began on September 12, 2011 and was completed October 25, 2011. Approximately 10,000 cy of on-site soil was spread over the entire cell. Samples of the vegetative soil were collected for agronomic testing. Agronomic test results were used to verify application rates of soil amendments (lime and fertilizer). Results of the agronomic tests are included in Attachment 3.

2.7 Seeding and Mulching

Seeding and mulching of Area A-west closure was conducted on six different occasions as placement of cover soil progressed. This limited erosion from the cover soil. High Country Hydroseeding (High Country) of Waynesville, NC performed the seeding and mulching on September 22, September 26-27, October 5-7, October 18, October 21 and October 26. Copies of the seed package slips are included in Attachment 4.

2.8 Stormwater Pipe Installation

Installation of stormwater collection pipe began September 26, 2011 and was completed October 25, 2011. Approximately 70 feet of 24-inch HDPE pipe was installed in three locations along the south ditch and in three locations along the north ditch. Six existing manholes were cored to allow for the new stormwater pipes to be connected into the existing stormwater collection system. Six concrete head walls and aprons were installed around the inlets of the pipes. Soil berms were installed approximately five feet down gradient of the stormwater pipe inlets to direct stormwater from the ditches into the stormwater pipes.

2.9 Installation of Erosion Control Measures

Erosion control measures were installed beginning on September 26, 2011 and completed on October 28, 2011. Erosion control measures consisted of installation of turf reinforcement mating (TRM) and stone check dams in the perimeter ditches running along the south, west and north sides of the cell, as shown on the construction drawings. Product information is included in Attachment 4.

3.0 CONSTRUCTION DOCUMENTATION

SME provided daily construction monitoring of the Area A-West Closure project. Attachment 1 contains a Statement of Compliance. Submittals supplied by the contractor are included in Attachment 4. Daily and weekly construction reports were prepared by SME; copies are located in Attachment 2. Weekly meeting minutes were prepared by SME and copies are located in Attachment 2. Project photographs were taken by SME. Select photographs are included in Attachment 6.

Closure of Area A-West was completed in accordance to the plans and specifications approved by the NCDENR. At the completion of the project, record drawings were prepared by SME and are included in Attachment 7.

ATTACHMENT 1

STATEMENT OF COMPLIANCE

SME
Sevee & Maher Engineers, Inc.

ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

STATEMENT OF COMPLIANCE WITH APPROVED PLANS AND SPECIFICATIONS

Project Owner:	***Evergreen Packaging – Canton Mill***
Project Title:	***Landfill No. 6*** ***Area A-West Closure Amendment***
Project Location:	***Canton, North Carolina***
Contractor:	***Tennoca Construction Company*** ***Candler, North Carolina***
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 Evergreen Packaging, states to the North Carolina Department of Environment 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 construction of Area A-West Closure Amendment of Evergreen Packaging's Landfill No. 6 in Canton, North Carolina, is in general accordance and compliance with the contract, plans, specifications, and conditions as approved by the North Carolina Department of Environment and Natural Resources.

Date: 11/30/11

Chief Engineer: _____
Guy H. Cote, Jr., P.E.
Reg. No. 37702

NORTH CAROLINA PROFESSIONAL SEAL 037702 ENGINEER GUY H. COTE, JR.

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September 2011

ATTACHMENT 2

DAILY REPORTS
WEEKLY REPORTS
MEETING MINUTES

DAILY REPORTS

SEVEE & MAHER ENGINEERS, INC.

DATE: 22 JUNE 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY
LIGHT RAIN IN PM
TEMP: 60 - 80
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE TOHIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 1 DOZER, 1 EXCAVATOR

CONSTRUCTION ACTIVITIES:

- TENNOCA BEGAN GRADING DITCH ALONG WEST SIDE OF CELL. WASTE IN THIS AREA IS WET.

* WASTE ALONG WEST SLOPE STEEPER THAN 3:1 IN AREAS WHERE WASTE SLID. WASTE HAS COVERED DRAINAGE STONE ALONG MOST OF WEST SIDE. TENNOCA EXCAVATING TO LOCATE STONE IN ORDER TO TIE NEW STONE INTO EXISTING LEACHATE COLLECTION SYSTEM.
* NEED TO HAVE LABORER ASSIST EXCAVATION NEAR LINER.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 7:15 TO 17:35.

DISTRIBUTION:

1. Project Manager
2. NCDENR
3. File
4. Client

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 23 JUNE 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY
LIGHT RAIN IN PM
TEMP: 60 - 80
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE TOHIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR
VULCAN = 10 HIRED TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA BEGAN SPREADING #67 STONE ON CROWN, 12-INCH LAYER WORKING WEST TO EAST:
  - 75 LOADS = 1449 TONS
- TENNOCA CONTINUED GRADING DITCH ALONG SOUTH SIDE OF LANDFILL, WORKING WEST TO EAST. EXPOSING EXISTING STONE LEACHATE COLLECTION LAYER AND GRADING SLOPE TO > 3:1.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 7:00 TO 17:35.

DISTRIBUTION:
1. Project Manager
2. NCDENR
3. File
4. Client

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 24 JUNE 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY
LIGHT RAIN IN PM
TEMP: 60 - 85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE TOHIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR
VULCAN = 10 HIRED TRUCKS

CONSTRUCTION ACTIVITIES:

- CONTINUED SPREADING #67 STONE, 12-INCH LIFT ON CROWN WORKING WEST TO EAST:
  - 126 LOADS = 2273 TONS
- TENNOCA CONTINUED GRADING DITCH ALONG SOUTH SIDE OF LANDFILL, WORKING WEST TO EAST. ONLY FINE GRADING OF WASTE NEEDED AT EAST END OF DITCH, EXCAVATING TO EXPOSE EXISTING STONE DRAINAGE LAYER.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 7:00 TO 17:15.

DISTRIBUTION:

1. Project Manager
2. NCDENR
3. File
4. Client

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 25 JUNE 2011
DAY S☐M☐T☐W☐T☐F☐S☒

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: AM FOG, CLEARING TO MOSTLY CLEAR
TEMP: 65 - 85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR
VULCAN = 20 HIRED TRUCKS

CONSTRUCTION ACTIVITIES:

- CONTINUED SPREADING #67 STONE ON CROWN, 12-INCH LIST WORKING WEST TO EAST:
  - 244 LOADS = 4467 TONS
- TENNOCA CONTINUED GRADING DITCH ALONG SOUTH SIDE OF LANDFILL, WORKING WEST TO EAST.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 6:55 TO 17:15.

DISTRIBUTION:

1. Project Manager
2. NCDENR
3. File
4. Client

PAGE 1 OF 1 PAGE

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 27 JUNE 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: AM FOG, CLEARING TO MOSTLY CLEAR THEN OVERCAST
TEMP: 65 - 85
WIND: LIGHT TO MODERATE
HUMIDITY: HIGH TO MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	4	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR,
VULCAN = 14 HIRED TRUCKS
OWEN = 8-10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING #67 STONE, 12-INCH LIFT ON CROWN WORKING EASTERLY:
  - 120 LOADS = 2197 TONS
- BEGAN SPREADING ORCHARD SOIL ON CROWN AT WEST END OF CELL
  - 79 LOADS = 1282 TONS
  - SOIL ARRIVING TO SITE VERY WET!!!
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH SLOPE WITH HELP FROM SOUTHERN MAINTENANCE. TROUBLESOME AREA OF WET WASTE.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 6:55 TO 18:30.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 28 JUNE 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR IN AM, OVERCAST W/SHOWER IN PM
TEMP: 65 - 85
WIND: LIGHT TO MODERATE
HUMIDITY: HIGH TO MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	4	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
10:00	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
10:00	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR,
VULCAN = 15 HIRED TRUCKS
OWEN = 13-14 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING #67 STONE, 12-INCH LIFT ON CROWN AND SOUTH SLOPE:
  - 128 LOADS = 2290 TONS
- CONTINUED SPREADING ORCHARD SOIL ON CROWN WORKING WEST TO EAST
  - 116 LOADS = 1872 TONS
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH SLOPE WITH HELP FROM SOUTHERN MAINTENANCE.

** ORCHARD SOIL ARRIVING TO SITE REALLY WET. DUMPING PILES IN AREAS OF STONE ON TOP, THEN SPREADING IN 2-3' LIFT WITH EXCAVATOR. HOPEFULLY IT WILL AIR DRY. CALLED DAVE AT ER ASKING FOR DRIER SOIL. HE WILL TRY TO GET TO UPPER (DRIER) PILE BY END OF WEEK. HE INDICATED THE PILE IS ALSO WET.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 7:00 TO 19:05.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-1" FOR GRAIN SIZE AND STANDARD PROCTOR TESTS.
- SEE JUNE 28, 2011 MEETING NOTES

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 29 JUNE 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR

TEMP: 60 - 85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 18 HIRED TRUCKS
OWEN = 16 TRUCKS
ER = 3 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING #67 STONE:
  - 145 LOADS = 2500 TONS
- CONTINUED SPREADING ORCHARD SOIL
  - 145 LOADS = 2251 TONS
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH SLOPE WITH HELP FROM SOUTHERN MAINTENANCE.

** ORCHARD SOIL ARRIVED WET IN MORNING. ER SWITCHED TO UPPER STOCKPILE IN THE AFTERNOON. MUCH DRIER SOIL. EXPLANATION FROM ER = LOWER PILE PLACED IN UNORGANIZED MANNER AND CONTAINS WET SOIL, LOOSELY PLACED. UPPER PILE COMPACTED DURING PLACEMENT TO ALLOW RAIN WATER TO RUN OFF, SO SOIL IS DRIER. ALSO, SOIL AT UPPER PILE NEW AND DRIER.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 7:00 TO 18:45.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 30 JUNE 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR

TEMP: 60 - 85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 22 HIRED TRUCKS
OWEN = 18 TRUCKS
ER = 6 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING #67 STONE, 12-INCH LAYER ON CROWN WORKING WEST TO EAST:
  - 164 LOADS = 2968 TONS
- CONTINUED SPREADING ORCHARD SOIL ON WEST CROWN AREA. LIMITED ROOM DUE TO LACK OF STONE AND UNABLE TO ACCESS AREAS OF PREVIOUSLY PLACED WET SOIL:
  - 149 LOADS = 2246 TONS
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH SLOPE WITH HELP FROM SOUTHERN MAINTENANCE. USED DRY SOIL FROM COVER SOIL STOCKPILE TO STABILIZE SLOPE.

** ORCHARD SOIL ARRIVED DRY ALL DAY.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 7:00 TO 18:55.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-2" FOR GRAIN SIZE AND STANDARD PROCTOR TESTS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 01 JULY 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR
TEMP: 60 - 85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 18 HIRED TRUCKS
OWEN = 17 TRUCKS
ER = 6 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING #67 STONE, 12-INCH LIFT ALONG CROWN OF CELL:
  - 130 LOADS = 2372 TONS
- CONTINUED SPREADING ORCHARD SOIL FROM WEST TO EAST IN 2-FOOT LIFT:
  - 165 LOADS = 2665 TONS
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH SLOPE WITH HELP FROM SOUTHERN MAINTENANCE.

** ORCHARD SOIL ARRIVED DRY ALL DAY.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 7:05 TO 19:05.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 02 JULY 2011
DAY S☐M☐T☐W☐T☐F☐S☒

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR
TEMP: 65 - 85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR
VULCAN = NO TRUCKS
OWEN = 13-14 TRUCKS
ER = 6 TRUCKS

CONSTRUCTION ACTIVITIES:

- CONTINUED SPREADING ORCHARD SOIL. ~2-FOOT LIFT ON CROWN:
  - 74 LOADS = 1116 TONS
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH SLOPE WITH HELP FROM SOUTHERN MAINTENANCE.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 7:00 TO 13:45.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 05 JULY 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO OVERCAST W/PM RAIN
TEMP: 65 - 75
WIND: LIGHT TO HIGH
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
	BRAD GOODSON	TENNOCA	WEEKLY MEETING
	PHILIP PLEMMONS	TENNOCA	NOT AT MEETING

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 25 TRUCKS
OWEN = 14-15 TRUCKS
ER = 5 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING #67 STONE:
  - 262 LOADS = 4642 TONS
- CONTINUED SPREADING ORCHARD SOIL
  - 160 LOADS = 2420 TONS
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH SLOPE WITH HELP FROM SOUTHERN MAINTENANCE.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 7:0 TO 18:45.
- SEE JULY 5, 2011 MEETING NOTES.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 06 JULY 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO OVERCAST
TEMP: 65 - 85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	
	GUY COTE	SME	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 29 TRUCKS
OWEN = 19-20 TRUCKS
ER = 5 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING #67 STONE:
  - 284 LOADS = 5041 TONS
- CONTINUED SPREADING ORCHARD SOIL
  - 199 LOADS = 3175 TONS
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH SLOPE WITH HELP FROM SOUTHERN MAINTENANCE.
- TENNOCA CONTINUED GRADING DITCH ALONG SOUTH SIDESLOPE. EXPOSING EXISTING LEACHATE COLLECTION STIONE.

QUALITY ASSURANCE:

- BOB CURTIS AND TYLER PEASE ON-SITE FROM 7:00 TO 19:00.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT CURTIS P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 07 JULY 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR WITH LIGHT TO HEAVY RAIN
TEMP: 65 - 85
WIND: LIGHT TO MODERATE
HUMIDITY: HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 10-14 TRUCKS
OWEN = 18 TRUCKS
ER = 5 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING #67 STONE:
  - 107 LOADS = 1950 TONS
- CONTINUED SPREADING ORCHARD SOIL
  - 161 LOADS = 2417 TONS
- TENNOCA CONTINUED GRADING DITCH ALONG SOUTH SIDESLOPE.

QUALITY ASSURANCE:

- BOB CURTIS AND TYLER PEASE ON-SITE FROM 7:00 TO 18:45.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 08 JULY 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR WITH SHOWERS
TEMP: 65 - 85
WIND: LIGHT
HUMIDITY: HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 18 TRUCKS
ER = 2 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL
  - 164 LOADS = 2353 TONS
- TENNOCA CONTINUED GRADING DITCHES ALONG SOUTH AND WEST SIDESLOPES.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:40.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 09 JULY 2011
DAY S☐M☐T☐W☐T☐F☐S☒

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: CLOUDY TO MOSTLY CLEAR
TEMP: 65 - 85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	PHILLIP PLEMMONS

VISITOR

Time	Name	Representing	Remarks
	PAUL DICKENS	EVERGREEN	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 WATER TRUCK
OWEN = 19 TRUCKS
ER = 4 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL
  - 173 LOADS = 2624 TONS

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:10.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 10 JULY 2011
DAY S☒M☐T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: CLOUDY
TEMP: 70's
WIND: CALM
HUMIDITY: HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 2 DOZERS, 1 WATER TRUCK
OWEN = 19 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL
  - 174 LOADS = 2586 TONS
- TENNOCA GRADED WASTE ON WEST SLOPE

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:00.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 11 JULY 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY
TEMP: 70 - 90
WIND: LIGHT
HUMIDITY: HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, PAUL DICKENS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 21 TRUCKS
ER = 6 TRUCKS
VULCAN = 10-14 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL
  - 195 LOADS = 2949 TONS
- CONTINUED SPREADING #67 STONE:
  - 111 LOADS = 2081 TONS
- TENNOCA BEGAN STABILIZING AREA OF SOFT/WET WASTE ON SOUTH SLOPE
  - USED WIRE FABRIC BETWEEN STONE AND WASTE TO STABILIZE SLOPE

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:40.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 12 JULY 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: AM RAIN TO PARTLY CLOUDY
TEMP: 67 - 89
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 21 TRUCKS
ER = 5 TRUCKS
VULCAN = 9 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL
  - 210 LOADS = 3225 TONS
- CONTINUED SPREADING #67 STONE:
  - 75 LOADS = 1456 TONS
- TENNOCA CONTINUED STABILIZING AREA OF SOFT/WET WASTE ON SOUTH SLOPE
  - USED WIRE FABRIC BETWEEN STONE AND WASTE TO STABILIZE SLOPE
- TENNOCA CONTINUED GRADING WEST DITCH

-SOUTHERN MAINTENANCE REMOVING WET WASTE FROM NORTHEAST DITCH AREA.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:30.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 13 JULY 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY
SOME RAIN
TEMP: 70 – 80's
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	7	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 21 TRUCKS
ER = 7 TRUCKS
VULCAN = 7 -10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL
  - 215 LOADS = 3287 TONS
- CONTINUED SPREADING #67 STONE:
  - 72 LOADS = 1346 TONS
- TENNOCA CONTINUED GRADING WEST DITCH

-SOUTHERN MAINTENANCE REMOVING WET WASTE FROM SOUTHEAST DITCH AREA.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:50.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 14 JULY 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY
AM RAIN
TEMP: 60 – 80's
WIND: MODERATE
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 21 TRUCKS
ER = 7 TRUCKS
VULCAN = 10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL
  - 203 LOADS = 3100 TONS
- CONTINUED SPREADING #67 STONE:
  - 74 LOADS = 1297 TONS
- TENNOCA CONTINUED GRADING WEST DITCH, BEGAN GRADING NORTH DITCH

-SOUTHERN MAINTENANCE REMOVING WET WASTE FROM SOUTHEAST DITCH AREA, AND REMOVING STOCKPILE OF WASTE ON WEST SLOPE.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:10.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 15 JULY 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY
AM SPRINKLES
TEMP: 60's
WIND: MODERATE TO HIGH
HUMIDITY: HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 24 TRUCKS
ER = 7 TRUCKS
VULCAN = 10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL
  - 231 LOADS = 3521 TONS
- CONTINUED SPREADING #67 STONE:
  - 133 LOADS = 2519 TONS
- TENNOCA CONTINUED GRADING NORTH DITCH
- TENNOCA BEGAN GRADING WASTE ON NORTH SLOPE, WEST SIDE

-SOUTHERN MAINTENANCE REMOVING STOCKPILES OF WASTE ON WEST SLOPE AND NORTH SLOPE.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:10.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 16 JULY 2011
DAY S☐M☐T☐W☐T☐F☐S☒

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: CLOUDY
TEMP: 60-71
WIND: MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RAY CURTIS

VISITOR

Time	Name	Representing	Remarks
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 24 TRUCKS
ER = 7 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL
  - 223 LOADS = 3492 TONS
- TENNOCA CONTINUED GRADING WASTE ON NORTH SLOPE, WEST SIDE

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:50.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 17 JULY 2011
DAY S☒M☐T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: PARTLY SUNNY

TEMP: 60-80's
WIND: LIGHT
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR 1 WATER TRUCK
OWEN = 24 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL
  - 163 LOADS = 2398 TONS
- TENNOCA CONTINUED GRADING WASTE ON NORTH SLOPE (SPREAD OUT WASTE STOCKPILE)

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 8:30 TO 17:45.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 18 JULY 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: CLOUDY TO SUN AND CLOUDS
TEMP: 60-80'S
WIND: LIGHT
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 1 WATER TRUCK
OWEN = 22 TRUCKS
ER = 4 TRUCKS
VULCAN = 10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL
  - 223 LOADS = 3492 TONS
- TENNOCA CONTINUED SPREADING #67 STONE
  - 93 LOADS = 1670 TONS
- TENNOCA CONTINUED GRADING WASTE ON NORTH SLOPE, (SPREADING WASTE STOCKPILE)
- TENNOCA CONTINUED GRADING NORTH DITCH
- TENNOCA BEGAN REMOVING ORCHARD SOIL FROM DITCH LINE.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 19:00.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 19 JULY 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: CLOUDY TO SUN AND CLOUDS
TEMP: 65-87
WIND: LIGHT
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 1 WATER TRUCK
OWEN = 23 TRUCKS
ER = 3 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
  - 186 LOADS = 2,868 TONS
- TENNOCA CONTINUED SPREADING #67 STONE FROM STOCKPILES.
- TENNOCA CONTINUED GRADING WASTE ON NORTH SLOPE, (SPREADING WASTE STOCKPILE).
- TENNOCA CONTINUED GRADING NORTH DITCH.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 19:00.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 20 JULY 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUN AND CLOUDS, PM SHOWER
TEMP: 69-88
WIND: LIGHT
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 1 WATER TRUCK
OWEN = 22 TRUCKS
ER = 5 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
  - 196 LOADS = 2,888 TONS
- TENNOCA CONTINUED GRADING WASTE ON NORTH SLOPE, (SPREADING WASTE STOCKPILE).
- TENNOCA CONTINUED GRADING NORTH DITCH.
- TENNOCA REMOVED SOIL FROM LINER TO PREPARE FOR LINER REPAIR.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:30.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 21 JULY 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUN AND CLOUDS
TEMP: 69-93
WIND: LIGHT
HUMIDITY: HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN
ENVIRONMENTAL FABRICS, INC.	0	2	

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 1 WATER TRUCK
OWEN = 21 TRUCKS
ER = 5 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
    - 197 LOADS = 2,804 TONS
- TENNOCA CONTINUED GRADING WASTE ON NORTH SLOPE, (SPREADING WASTE STOCKPILE).
- TENNOCA CONTINUED GRADING NORTH DITCH.
- ENVIRONMENTAL FABRICS REPAIRED LINER ON SOUTH, WEST, AND NORTH SLOPES, APPROX 30 REPAIRS

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:50.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 22 JULY 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: PARTLY TO MOSTLY CLOUDY, AM SHOWERS
TEMP: 70-90's
WIND: LIGHT
HUMIDITY: HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 1 WATER TRUCK
OWEN = 20 TRUCKS
ER = 5 TRUCKS
VULCAN = 10-15 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
  - 191 LOADS = 2,676 TONS
- TENNOCA CONTINUED SPREADING #67 STONE:
  - 110 LOADS = 1,986 TONS
- TENNOCA CONTINUED GRADING WASTE ON NORTH SLOPE, (SPREADING WASTE STOCKPILE).
- TENNOCA CONTINUED GRADING NORTH DITCH.
- TENNOCA INSTALLED NON-WOVEN FABRIC IN NORTH DITCH.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:45.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 23 JULY 2011
DAY S☐M☐T☐W☐T☐F☐S☒

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: PARTLY CLOUDY
TEMP: 70-90's
WIND: LIGHT
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RAY CURTIS

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 2 DOZERS, 1 WATER TRUCK
OWEN = 24 TRUCKS
ER = 5 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
  - 192 LOADS = 2,733 TONS
- TENNOCA CONTINUED SPREADING #67 STONE:

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:30.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 24 JULY 2011
DAY S☒M☐T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUN AND CLOUDS

TEMP: 68-91
WIND: MODERATE
HUMIDITY: LOW TO MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 2 DOZERS, 1 WATER TRUCK
OWEN = 24 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
    - 160 LOADS = 2,082 TONS

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 8:00 TO 17:40.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 25 JULY 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: PARTLY SUNNY, PM RAIN
TEMP: 67-84
WIND: LIGHT
HUMIDITY: HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 1 WATER TRUCK
OWEN = 24 TRUCKS
ER = 8 TRUCKS
VULCAN = 10-15 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
  - 204 LOADS = 2,834 TONS
- TENNOCA CONTINUED SPREADING #67 STONE:
  - 99 LOADS = 1,801 TONS
- TENNOCA INSTALLED FABRIC IN WEST DITCH, LINED SLOPE WITH STONE, THEN FILLED WITH WASTE
- TENNOCA INSTALLED NON-WOVEN FABRIC IN NORTH DITCH.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 17:20.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 26 JULY 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY
TEMP: 66-86
WIND: LIGHT
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
	PHILIP PLEMMONS, BRAD GOODSON	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 22 TRUCKS
ER = 8 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
  - 247 LOADS = 3,289 TONS
- TENNOCA CONTINUED SPREADING #67 STONE:
  - 3 LOADS = 51 TONS

- TENNOCA PLACED 1 LOAD OF #67 STONE AND 1 LOAD OF RAILROAD BALLAST ON EXIT ROAD TO KEEP TRACKING OF SOIL TO A MINIMUM.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:20.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 27 JULY 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUNNY

TEMP: 65-92
WIND: LIGHT
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 23 TRUCKS
ER = 7 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
    - 225 LOADS = 3,368 TONS
- TENNOCA CONTINUED SPREADING #67 STONE:
    - 67 LOADS = 1,183 TONS
- TENNOCA CONTINUED GRADING NORTH SLOPE
- TENNOCA PLACED 3 LOADS (60 TONS) OF RAILROAD BALLAST ON EXIT ROAD TO KEEP TRACKING OF SOIL TO A MINIMUM.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:00 TO 18:25.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 28 JULY 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: CLEAR AND SUNNY
TO MOSTLY CLEAR IN PM
TEMP: 65-90
WIND: LIGHT TOMODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 18-25 TRUCKS
ER = 7 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (WEST SLOPE):
  - 218 LOADS = 3,290 TONS (~2,150 CY)
- TENNOCA CONTINUED GRADING WASTE ALONG NORTH SLOPE. WASTE STEEPER THAN 3:1 IN SOME AREAS WHERE WET WASTE SLID. DIFFICULTY GRADING DUE TO SOFT WASTE.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 7:30 TO 12:30. BOB CURTIS ON-SITE FROM 14:00 TO 18:45
- CHECK GRADES IN DITCH LINE AT NORTHWEST CORNER. GRADE AT 0.005'/'

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 29 JULY 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR
TEMP: 65-90
WIND: LIGHT TOMODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 22-24 TRUCKS
ER = 4 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (WEST SLOPE):
  - 217 LOADS = 3,188 TONS (~2,100 CY)
- TENNOCA CONTINUED GRADING WASTE ALONG NORTH SLOPE
  - SECTION ABOUT 200' MARKED BY TJP STILL SOFT, BUT GETTING BETTER. DISCUSSION WITH RICK BALDWIN. PLAN TO ROUGH GRADE AND WAIT UNTIL MONDAY TO WORK AGAIN.
- TENNOCA SPRAYED WATER ON ROADS ALL DAY FOR DUST CONTROL.

* DRIVER (OWEN'S) SENT HOME DUE TO APPEARING OVERLY TIRED. DRIVER WAS OBSERVED SWERVING WHILE DRIVING; DROVE OFF LANDFILL ACCESS ROAD (PAVED) AT NORTHEAST CORNER (2-WAY); APPEARED SLEEPY BY TENNOCA EMPLOYEE COLLECTING SLIPS; AND, ON PRESCRIPTION MEDICATION.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 18:40
- COLLECTED 2 SAMPLES OF ORCHARD SOIL: BSOS-11 AND BSOS-12 FOR GRAIN SIZE ANALYSIS
- SME DISCUSSED OPTIONS TO STABILIZE WASTE ON NORTH SLOPE WITH TENNOCA AND EVERGREEN. TENNOCA WILL TRY TO MIX WASTE FOR NOW, BUT WILL USE SOIL TO BULK NEXT WEEK.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 30 JULY 2011
DAY S☐M☐T☐W☐T☐F☐S☒

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR
W/ PM CLOUDS
TEMP: 65-85
WIND: LIGHT TOMODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	JONATHON WORLEY

VISITOR

Time	Name	Representing	Remarks
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 21-24 TRUCKS
ER = 4 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (SOUTH, MID TOP – GRIDS O-Q, 7-9):
  - 207 LOADS = 3,011 TONS (~2,000 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUCT CONTROL.

* REVIEWED GRADE STAKES ALONG SOUTH SLOPE WITH PHILIP PLEMMONS. THE SURVEY WAS MIS-DIRECTED BY TENNOCA, SO SOME GRADES ARE USELESS. TENNOCA WILL CONTACT SURVEYOR TO REDO SOUTH SLOPE.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:05 TO 16:55
- COLLECTED 2 SAMPLES OF ORCHARD SOIL: BSOS-13 AND BSOS-14 FOR GRAIN SIZE ANALYSIS

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 31 JULY 2011
DAY S☒M☐T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO OVERCAST AFTER 2 PM
TEMP: 65-90
WIND: LIGHT TOMODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 21-25 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (2ND LIFT – SOUTH CROWN – GRIDS L-N, 9-11):
  - 109 LOADS = 1,350 TONS (~900 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL.

* ER STOPPED LOADING BY 15:00 DUE TO HEAVY RAINS AND LIGHTNING AT ORCHARD. NO RAIN AT SITE.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 08:35 TO 16:55
- COLLECTED 2 SAMPLES OF ORCHARD SOIL: "BSOS-15" FOR GRAIN SIZE ANALYSIS AND "BSOS-16" FOR GRAIN SIZE AND STANDARD PROCTOR TESTS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 01 AUGUST 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO MOSTLY CLOUDY
TEMP: 65-90
WIND: LIGHT TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	4	RICK BALDWIN
HOLMES SURVEYING		2	RON DAVIS

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 24-27 TRUCKS
ER = 7 TRUCKS
CLAIBORNE = 10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (1ST LIFT SE CROWN AND SLOPE - GRIDS T-X, 6-9):
  - 321 LOADS = 5,200 TONS (~3,470 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY,
- SURVEYOR ON-SITE IN THE MORNING SETTING GRADES ALONG THE TOP OF SOUTH SLOPE.

* MIXTURE OF WET AND DRY SOIL FROM ORCHARD.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 18:50.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-17" FOR GRAIN SIZE ANALYSIS
- MOVED TOP OF SLOPE AT SE CORNER OUT ~ 15-FEET TO 3-1/2 TO 1 SLOPE.
- REVIEWED SAFETY CONCERNS WITH NEW CLAIBORNE DRIVERS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 02 AUGUST 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR
TEMP: 70-90
WIND: LIGHT TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	4	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
10:00	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
10:00	PHILIP PLEMMONS, BRAD GOODSON	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 20-22 TRUCKS
ER = 7 TRUCKS
CLAIBORNE = 10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (SE CROWN AND SLOPE - GRIDS T-V, 6-9):
  - 273 LOADS = 4,490 TONS (~3,000 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY,
- TENNOCA CONTINUED GRADING WASTE ALONG NORTH SLOPE AND EXCAVATING TIE-IN ON NORTH SIDE OF 6A-EAST.

* SOIL LOADED FROM TWO LOCATIONS AT ORCHARD. SOME LOADS WERE DRY SOIL, WHILE SOME WERE WET.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 18:50.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-18" FOR GRAIN SIZE ANALYSIS
- ANALYTICAL SAMPLES "SS-007-X-007" AND "SS-008-X-008" FOR TOTAL METALS, TCLP METALS, TCLP HERBICIDES AND TCLP PESTICIDES. PACE PICK UP AT 11:00.
- SEE AUGUST 2, 2011 MEETING NOTES.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 03 AUGUST 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR

TEMP: 70-90
WIND: LIGHT TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	4	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 22-25 TRUCKS
ER = 7 TRUCKS
CLAIBORNE = 10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (SE CROWN AND SLOPE - GRIDS Q-T, 8-11):
  - 301 LOADS = 4,990 TONS (~3,300 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY,
- TENNOCA CONTINUED GRADING WASTE AT EAST END OF NORTH SLOPE. EAST END WILL BE READY FOR STONE BEFORE CENTER AREA.

* HIGH WINDS FROM THE NORTH STIRRED ASH (WASTE) CREATING "WHITE OUT". TENNOCA USED WATER TRUCK WITH HOSE TO WET SLOPE. EVEGREEN SPRAYED SLOPE AS WELL. EVERGREEN WILL SPRAY FROM ROAD AS NEEDED. CRUST FORMED ON ASH AFTER WETTING.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 06:55 TO 18:35.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-19" FOR GRAIN SIZE ANALYSIS

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 04 AUGUST 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR
HAZY, HOT AND HUMID
TEMP: 70-95
WIND: LIGHT TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 25-27 TRUCKS
ER = 4 TRUCKS
CLAIBORNE = 10 TRUCKS
VULCAN = 10-15 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (SE CROWN AND SLOPE - GRIDS Q-T, 8-11):
    - 320 LOADS = 4,950 TONS (~2,250 CY)
- TENNOCA CONTINUED SPREADING #67 STONE (NORTH SLOPE - GRIDS M-D, 2-4):
    - 102 LOADS = 1,873 TONS

* STONE PLACED FROM THE SIDE AND UP SLOPE. WASTE SLID (GRID O+P, 2+3), SO STONE PLACEMENT STOPPED. THE PLAN IS TO WORK FROM THE EAST TO REDUCE THE AREA OF WASTE THAT NEEDS REWORK.

- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY,
- TENNOCA CONTINUED GRADING WASTE AT EAST END OF NORTH SLOPE.

- SOUTHERN MAINTENANCE BEGAN MOWING (BUSH HOGGING) AREA C-UPPER.
- EXTRA LABORERS AND OPERATOR FOR STONE PLACEMENT AND WORKING DITCH.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:15 TO 18:55.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-20" FOR GRAIN SIZE ANALYSIS

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 05 AUGUST 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO OVERCAST AFTER NOON
TEMP: 70-90
WIND: LIGHT TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 27 TRUCKS
ER = 4 TRUCKS
CLAIBORNE = 10 TRUCKS (WITH 10 NE DRIVERS)

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (SOUTH CROWN - GRIDS R-T, 6-9 AND SE SLOPE – GRIDS R-T, 10-12) :
  - 344 LOADS = 5,450 TONS (~3,630 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY,

* PLAN TO WORK ORCHARD SOIL ON SOUTH HALF OF CELL FILLING EAST TO WEST UNTIL STONE PLACEMENT CAN BE COMPLETED.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 06:55 TO 18:50.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-21" AND COVER SOIL SAMPLE "BSCS-01" FOR GRAIN SIZE AND STANDARD PROCTOR TESTS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 06 AUGUST 2011
DAY S☐M☐T☐W☐T☐F☐S☒

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR
W/ PM SHOWERS
TEMP: 65-90
WIND: LIGHT TO HIGH
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	0	4	JONATHON WORLEY

VISITOR

Time	Name	Representing	Remarks
	PHILIP PLEMMONS	TENNOCA	
	JIM GIAUQUE	EVERGREEN	

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 27-29 TRUCKS
ER = 0-5 TRUCKS (STOPPED BY 11:00 DUE TO TIME RESTRICTIONS ON DRIVERS)
CLAIBORNE = 10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (SE SLOPE AND SE CROWN - GRIDS N-U, 7-12):
  - 325 LOADS = 5,310 TONS (~3,500 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY,

* RAIN SHOWERS FROM 13:00 TO 15:00 SLOWED DUMPING. RAIN AT MILL = 0.32"
* ER FILLING TRUCKS SLOW AT ORCHARD. 10 TO 12 TRUCKS BACKED UP TO BE LOADED ONE AT A TIME. ER NEEDS TO REWORK UPPER STOCKPILE TO MANAGE TRUCKING MORE EFFICIENTLY.

* REVIEWED SAFETY INFORMATION WITH NEW CLAIBORNE DRIVERS.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 18:45
- PIEZOMETER WATER LEVELS:
  - P11-101 = 8.54
  - P11-103 = 8.45
  - P11-105 = 6.21

DISTRIBUTION:
1. Project Manager
2. File
3. Client

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BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 07 AUGUST 2011
DAY S☒M☐T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY

TEMP: 65-85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	ALL DAY ON WATER

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 10-11 TRUCKS
ER = 0 TRUCKS
CLAIBORNE = 10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (2ND LIFT – SOUTH CROWN – GRIDS P-S, 6-8):
  - 147 LOADS = 2,780 TONS (~1,850 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL.

* DRY SOIL TODAY USED TO CONSTRUCT ROAD TO NE CORNER, TO BE USED BY STONE TRUCKS.
* ER REDUCED THE NUMBER OF TRUCKS. HAULING FROM LOWER PILE WHILE PUSHING SOIL TO LOAD UPPER PILE FIRST OF WEEK.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 08:30 TO 17:45
- COLLECTED 1 SAMPLE OF ORCHARD SOIL: "BSOS-22" FOR GRAIN SIZE ANALYSIS

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 08 AUGUST 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO OVERCAST WITH PM RAIN
TEMP: 65-90
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 13-17 TRUCKS
ER = 5 TRUCKS
CLAIBORNE = 10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (3RD AND 4TH LIFTS – SOUTH CROWN – GRIDS P-T, 7-10):
  - 231 LOADS = 4,110 TONS (~2,730 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL.
- TENNOCA SPREAD 12-INCH LAYER OF #67 ON NORTH SLOPE WORKING EAST TO WEST TOWARD SLIDE AREA:
  89 LOADS = 1681 TONS

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 19:00
- COLLECTED 2 SAMPLES OF ORCHARD SOIL: "BSOS-23" FOR GRAIN SIZE ANALYSIS AND "BSOS-24" FOR GRAIN SIZE AND STANDARD PROCTOR TESTS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT B. CURTIS P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 09 AUGUST 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY
TEMP: 65-85
WIND: LIGHT TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	7	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
10:00	LUKE WILLIAMS	EVERGREEN	NO MEETING

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 20-22 TRUCKS
ER = 7 TRUCKS
CLAIBORNE = 10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN - GRIDS N-R, 9-12):
  - 287 LOADS = 4,920 TONS (~3,300 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY,
- TENNOCA CONTINUED GRADING WASTE ALONG NORTH SLOPE AND EXCAVATING TIE-IN ON NORTH SIDE OF 6A-EAST.
- SOUTHERN MAINTENANCE FINISHED MOWING AREA C-UPPER.
- TENNOCA CONTINUED EXCAVATING DITCH AT SOUTHEAST CORNER. EXPOSING LINER AND EXISTING LEACHATE COLLECTION STONE.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 06:55 TO 18:40.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-25" FOR GRAIN SIZE ANALYSIS
- ANALYTICAL SAMPLES "SS-009-X-009" AND "SS-010-X-00A" FOR TOTAL METALS, TCLP METALS, TCLP HERBICIDES AND TCLP PESTICIDES. PACE PICK UP AT 11:00.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 10 AUGUST 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR

TEMP: 65-85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 18-20 TRUCKS
ER = 6 TRUCKS
CLAIBORNE = 10 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN - GRIDS M-R, 9-10):
  - 316 LOADS = 5,280 TONS (~3,500 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY,

* WASTE SLIDE ON NORTH SLOPE ~ 50'x60'

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 06:55 TO 18:50.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-26" FOR GRAIN SIZE ANALYSIS
- SME CONFIRMED WITH RICK BALDWIN A NEED TO USE SOIL TO STABILIZE NORTH SLOPE IN ORDER TO PLACE STONE AND ORCHARD SOIL. TENNOCA NEEDS HAUL TRUCK.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 11 AUGUST 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR
TEMP: 65-85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
08:30	LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
08:30	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 5 TRUCKS
ER = 5-8 TRUCKS
VULCAN = 12 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (NORTHEAST CROWN - GRIDS W-X, 3-5):
  - 97 LOADS = 1,350 TONS (~900 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA SPREAD 6-INCH LAYER OF #67 STONE ON SOUTH SLOPE, GRIDS J-S 12-13:
  - 108 LOADS = 2026 TONS
  - MAJORITY OF SOUTH SLOPE WITH ORCHARD SOIL NOW HAS STONE.
- TENNOCA EXCVATED TIE-IN AND EXPOSED LINER AT SOUTHEAST CORNER. READY FOR STONE.

* ER REDUCED NUMBER OF TRUCKS. MOST LIKELY FOR THE REMAINDER OF PROJECT.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:05 TO 18:30.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-27" FOR GRAIN SIZE ANALYSIS
- SEE AUGUST 11, 2011 MEETING NOTES.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 12 AUGUST 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO OVERCAST WITH SHOWER
TEMP: 65-85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	4	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 5 TRUCKS
ER = 8 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (NORTHEAST CROWN - GRIDS W-X, 3-5):
  - 105 LOADS = 1,560 TONS (~1.000 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.

* SOIL SCREEN DELIVERED TO SITE. TENNOCA SPENT DAY SETTING UP SCREEN AT STOCKPILE, WITH HELP FROM RENTAL COMPANY.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 06:50 TO 18:15.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-28" FOR GRAIN SIZE ANALYSIS

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 13 AUGUST 2011
DAY S☐M☐T☐W☐T☐F☐S☒

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR

TEMP: 65-85
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	1	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
OWEN = 5 TRUCKS
ER = 8 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (NORTHEAST CROWN - GRIDS V-W, 3-5):
  - 40 LOADS = 560 TONS (~ 300 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.

* WORKED PARTIAL DAY DUE TO ER TRUCKING. ER STOPPED DUE TO HOURS DRIVEN BY DRIVERS AND LACK OF SOIL READILY AVAILABLE AT STOCKPILE.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:10 TO 12:15.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT B. CURTIS P.E..

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 15 AUGUST 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO MOSTLY CLOUDY
TEMP: 60-80
WIND: MODERATE TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 1 REAR DUMP, 1 WATER TRUCK, 1 SCREEN
OWEN = 5-6 TRUCKS
ER = 9 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (NORTHEAST CROWN - GRIDS Q-U, 4-5):
  - 116 LOADS = 1,610 TONS (~ 1,070 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA BEGAN SCREENING COVER SOIL AT STOCKPILE.
- BEGAN EXCAVATING WET WASTE ON NORTH SLOPE (GRIDS O-P, 2-3) AND REPLACING WITH COVER SOIL FROM STOCKPILE.

* TRUCK NUMBER "JO-17" BROKE DOWN DURING LAST TRIP OF DAY. SOIL NOT DELIVERED TO SITE. TRUCK HAULED TO OWEN'S GARAGE.

- SOUTHERN MAINTENANCE FINISHED MOWING AREA C-LOWER AND BEGAN MOWING B-UPPER.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:15 TO 18:50.
- COLLECTED ORCHARD SOIL SAMPLE "BSOS-29" FOR GRAIN SIZE AND STANDARD PROCTOR TESTS.
- CONDUCTED 10 IN-PLACE MOISTURE/DENSITY TESTS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 16 AUGUST 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY TO MOSTLY CLEAR
TEMP: 55-80
WIND: MODERATE TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	7	RICK BALDWIN
HOLMES SURVEYING		2	RON DAVIS

VISITOR

Time	Name	Representing	Remarks
10:00	JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
10:00	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING
13:00	BRAD GOODSON	TENNOCA	AFTER MEETING

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 1 REAR DUMP, 1 WATER TRUCK, 1 SCREEN
OWEN = 5 TRUCKS
ER = 6-7 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (NORTHEAST CROWN - GRIDS R-X, 4-5):
  - 88 LOADS = 1,330 TONS (~ 900 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE.
- FINISHED EXCAVATING WET WASTE ON NORTH SLOPE (GRIDS O-P, 2-3) AND REPLACING WITH COVER SOIL FROM STOCKPILE. NORTH SLOPE FIRMED UP AND READY FOR STONE. *****
- SOUTHERN MAINTENANCE FINISHED MOWING AREA B-UPPER AND MOWED B-LOWER IN AREAS OTSIDE FENCE AROUND SOLAR PANELS.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 18:25.
- ANALYTICAL SAMPLES "SS-011-X-00B" AND "SS-012-X-00C" FOR TOTAL METALS, TCLP METALS, TCLP HERBICIDES AND TCLP PESTICIDES. PACE PICK UP AT 11:00.
- SEE AUGUST 16, 2011 MEETING NOTES.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E. TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 17 AUGUST 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR

TEMP: 50-80
WIND: MODERATE TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	7	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 2 REAR DUMPS, 1 WATER TRUCK, 1 SCREEN
OWEN = 5 TRUCKS
ER = 8 TRUCKS
VULCAN = 10 HIRED TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (NORTHEAST CROWN – 1ST LIFT GRIDS L-O, 4-5):
  - 112 LOADS = 1,800 TONS (~ 1,200 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- FINISHED SPREADING 12" LIFT OF #67 STONE ON NORTH SLOPE (GRIDS O-P, 2-3) AND SOUTHEAST SLOPE (GRIDS V-X, 12-13):
  - 112 LOAD = 2,128 TON
  - ALL OF DRAINAGE LAYER COMPLETE EXCEPT AT ACCESS ROAD LOCATIONS ON WEST SLOPE.
- TENNOCA SCREENED COVER SOIL FOR ABOUT 2-HOURS DURING DAY.

* SME PLACED GCL AT RIPS IN LINER ABOVE STONE LAYER TO BE OVERLAIN WITH COVER SOIL.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 06:50 TO 18:30.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 18 AUGUST 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO OVERCAST w/ LIGHT SHOWERS
TEMP: 65-80
WIND: MODERATE TO HIGH
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	7	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 2 REAR DUMPS, 1 WATER TRUCK, 1 SCREEN
OWEN = 5 TRUCKS
ER = 8 TRUCKS
VULCAN = 10 HIRED TRUCKS FOR MORNING

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (SOUTHEAST SLOPE – GRIDS V-X, 12-13):
  - 115 LOADS = 1,646 TONS (~ 1,100 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- SPREAD 6" LIFT OF #67 STONE ON WEST SLOPE (GRIDS B-C, 4-8):
  - 49 LOAD = 934 TON
- TENNOCA SCREENED COVER SOIL. STOCKPLIE OF SCREENED SOIL EXPANDING. SME DISCUSSED ADDITIONAL EROSION CONTROL MEASURES WITH TENNOCA.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 18:20.
- COLLECTED BORROW SOURCE SAMPLE (BSOS-30) OF ORCHARD SOIL FOR GRAIN SIZE ANALYSIS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 19 AUGUST 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR

TEMP: 65-80
WIND: MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	4	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 2 REAR DUMPS, 1 WATER TRUCK, 1 SCREEN
OWEN = 5-7 TRUCKS
ER = 5-7 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (SOUTHEAST SLOPE – GRIDS V-X, 12-13):
  - 93 LOADS = 1,410 TONS (~ 950 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE. RAN SCREEN A SCHEDULED 8-HOURS. THE PLAN IS TO SCREEN A TOTAL OF 8-HOURS PER DAY, AT A RATE OF ABOUT 100-CY PER HOUR.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 18:25.
- PERFORMED 2 IN-PLACE MOISTURE/DENSITY TESTS ON ORCHARD SOIL.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 20 AUGUST 2011
DAY S☐M☐T☐W☐T☐F☐S☒

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR

TEMP: 60-80
WIND: MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	1	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 2 REAR DUMPS, 1 WATER TRUCK, 1 SCREEN
OWEN = 0 TRUCKS --- *NO OWEN TRUCKS*
ER = 7 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (SOUTHEAST SLOPE – GRIDS V-X, 12-13):
  - 20 LOADS = 230 TONS (~ 150 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.

* REDUCED CREW FOR TENNOCA DUE TO LIMITED SOIL DELIVERY BY ER. TENNOCA OFF SITE BY 12:30 LABORER COLLECTED TICKETS AND SPREAD SOIL. FOREMAN RAN WATER TRUCK AND SPREAD SOIL.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:10 TO 16:30.
- TYLER PEASE ON-SITE FROM 14:00 TO 16:30.
- REVIEWED STATUS AND SCHEDULE FOR TRANSITION OF SME PERSONNEL.
- SEE NOTES FOR TRANSITION.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 22 AUGUST 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR

TEMP: 65-80
WIND: MODERATE
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHIL PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 1 REAR DUMP, 1 WATER TRUCK, 1 SCREEN
ER = 6 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL (ER STOPPED HAULING AROUND 10:00):
  - 11 LOADS = 124 TONS (~ 85 CY)
- TENNOCA OPERATED WATER IN MORNING FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE. RAN SCREEN A SCHEDULED 10-HOURS.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:45.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 23 AUGUST 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUNNY
TEMP: 65-80
WIND: MODERATE
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	2	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
	PHIL PLEMMONS, BRAD GOODSON	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 1 REAR DUMP, 1 SCREEN

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE. RAN SCREEN A SCHEDULED 10-HOURS.
- EVERGREEN TRUCK WASHED AND WATERED ROADS THROUGHOUT DAY

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:30.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 24 AUGUST 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY

TEMP: 65-80
WIND: LIGHT
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHIL PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 REAR DUMP, 1 SCREEN, 1 WATER TRUCK
VULCAN = 6-15 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING 6" LIFT OF #67 STONE ON SOUTH AND NORTH SLOPES:
  - 89 LOADS = 1,671 TONS
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE. RAN SCREEN A SCHEDULED 10-HOURS.
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA REGRADED AREA OF HIGH ORCHARD SOIL ON THE TOP OF THE NORTH SLOPE

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:45.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 25 AUGUST 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY AM
MOSTLY CLOUDY PM
TEMP: 65-90
WIND: LIGHT
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 1 REAR DUMP, 1 SCREEN, 1 WATER TRUCK
VULCAN = 10-16 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING 6" LIFT OF #67 STONE ON NORTH SLOPE (DONE HAULING AT 11:00):
  - 39 LOADS = 716 TONS
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE. RAN SCREEN A SCHEDULED 10-HOURS.
- TENNOCA OPERATED WATER TRUCK IN MORNING FOR DUST CONTROL. EVERGREEN'S WATER TRUCK WAS OUT OF SERVICE FOR THE AFTERNOON.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:45.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I.

TITLE: ENVIRONMENTAL ENGINEER

FSEVEE & MAHER ENGINEERS, INC.

DATE: 26 AUGUST 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY

TEMP: 65-85
WIND: LIGHT
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 REAR DUMP, 1 SCREEN,

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING 6" LIFT OF #67 STONE ON SOUTH SLOPE:
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE. RAN SCREEN A SCHEDULED 10-HOURS.
- EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 13:00.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 29 AUGUST 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY

TEMP: 55-85
WIND: LIGHT
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	4	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 1 REAR DUMP, 1 SCREEN, WATER TRUCK
OWENS = 10 TRUCKS
ER = 3 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
    - 122 LOADS = 1,590 TONS (~1,000 CY)
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE. RAN SCREEN A SCHEDULED 11-HOURS.
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 18:15.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 30 AUGUST 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY

TEMP: 55-80
WIND: MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	4	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 1 REAR DUMP, 1 SCREEN, WATER TRUCK
OWENS = 10 TRUCKS
ER = 3 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
  - 124 LOADS = 1,556 TONS (~1,000 CY)
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE. RAN SCREEN A SCHEDULED 11-HOURS.
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:20 TO 18:15.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 31 AUGUST 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY

TEMP: 65-80
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	4	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 1 REAR DUMP, 1 SCREEN, WATER TRUCK
ER = 3 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
  - 3 LOADS = 38 TONS (~1,000 CY)
- TENNOCA BEGAN REGRADING ONSITE ORCHARD SOIL.
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE. RAN SCREEN A SCHEDULED 10-HOURS.
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.

* ER DUMP TRUCK BACKED INTO TENNOCA'S BULLDOZER, DAMAGING 2 RIMS AND 2 TIRES ON THE DUMP TRUCK.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:10 TO 17:30.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 01 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY

TEMP: 60-90
WIND: INCREASING TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 1 REAR DUMP, 1 SCREEN, WATER TRUCK
ER = 3 TRUCKS
VULCAN = 15 HIRED TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING ORCHARD SOIL:
  - 17 LOADS = 238 TONS (~1,000 CY)
- TENNOCA CONTINUED SPREADING 6" LIFT OF #67 STONE ON NORTH SLOPE:
  - 63 LOADS = 1,200 TONS *ONLY STONE REMAINING IS ON THE WEST CORNERS OF THE CELL*
- TENNOCA CONTINUED REGRADING ONSITE ORCHARD SOIL.
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE. RAN SCREEN A SCHEDULED 10-HOURS.
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:50.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 02 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY

TEMP: 65-90
WIND: LIGHT
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 1 REAR DUMP, 1 SCREEN, WATER TRUCK

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED REGRADING ONSITE ORCHARD SOIL.
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE. RAN SCREEN A SCHEDULED 7-HOURS.
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 14:30.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 06 SEPTEMBER 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: PARTLY SUNNY
SHOWERS
TEMP: 70-75
WIND: MODERATE TO HIGH
HUMIDITY: HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

EQUIPMENT

CONSTRUCTION ACTIVITIES:

- NO WORK DUE TO OVERNIGHT RAIN.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 13:15.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 07 SEPTEMBER 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY

TEMP: 55-70
WIND: LIGHT
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 2 REAR DUMPS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED REGRADING ONSITE ORCHARD SOIL.

*PHIL WAS TOLD THAT SIDESLOPES MUST HAVE COVER SOIL AND BE SEEDED BY THE END OF NEXT WEEK (FRIDAY 9-16)

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:20 TO 17:40.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 08 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: CLOUDY AND DRIZZLE

TEMP: 55-70
WIND: LIGHT
HUMIDITY: HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	4	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 2 REAR DUMPS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED REGRADING ONSITE ORCHARD SOIL.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:40.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE, E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 09 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: PARTLY SUNNY

TEMP: 55-75
WIND: LIGHT
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 2 REAR DUMPS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED REGRADING ONSITE ORCHARD SOIL.
- TENNOCA REGRADED STONE ON THE NORTH AND SOUTH SLOPES. THERE IS A WET/SOFT SPOT ON THE NORTH SLOPE TOWARDS THE EAST CELL.
- TENNOCA INSTALLED ROAD FROM THE NORTH EXIT OF THE CELL TO THE COVER SOIL STOCKPILE USING SOME OF THE SCREENINGS.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:10 TO 17:45.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE, E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 12 SEPTEMBER 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY
TEMP: 55-75
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 2 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN
OWEN = 0 TRUCKS
ER = 3 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA BEGAN SPREADING AND COMPACTING COVER SOIL ON SOUTH SLOPE. STARTED AT WEST END AND WORKED EASTERLY (GRIDS J-L, 12-13):
  - 112 LOADS (1300 CY)
  ~ 100'X150' = 15,000 SF
- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN – GRIDS M-O, 6-8):
  - 26 LOADS = 322 TONS (~ 215 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 8-HOURS. DELAY IN AM DUE TO MECHANICAL PROBLEMS.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 06:50 TO 17:45.
- CONDUCTED 1 IN-PLACE DENSITY TEST.
- COLLECTED 1 IN-PLACE COVER SOIL SAMPLE (IPCS-3) FOR GS AND MC.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 13 SEPTEMBER 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY

TEMP: 55-80
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
10:00	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
10:00	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING
10:45	PAUL DICKENS	EVERGREEN	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN
OWEN = 0 TRUCKS
ER = 4 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON SOUTH SLOPE. STARTED AT WEST END AND WORKED EASTERLY (GRIDS M-Q, 12-13):
  - 161 LOADS (1,900 CY)
  ~ 100'X250' = 25,000 SF
- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN – GRIDS M-O, 6-8):
  - 30 LOADS = 427 TONS (~ 285 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 9-HOURS.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 17:45.
- SEE NOTES FROM WEEKLY MEETING "Evergreen-Area_A-West_Closure_Meeting20110913.doc"

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 14 SEPTEMBER 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY

TEMP: 55-80
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6-8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN
OWEN = 0 TRUCKS
ER = 4 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON SOUTH SLOPE. STARTED AT WEST END AND WORKED EASTERLY (GRIDS Q-T, 12-13):
  - 180 LOADS (2,000 CY)
  - ~ 125'X200' = 25,000 SF
- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN – GRIDS M-N, 5-6):
  - 27 LOADS = 400 TONS (~ 265 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 9-HOURS.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:05 TO 17:40.
- CONDUCTED 5 IN-PLACE DENSITY TESTS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 15 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLOUDY TO OVERCAST WITH LIGHT RAIN
TEMP: 55-75
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN
OWEN = 5 TRUCKS
ER = 3 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON SOUTH SLOPE. STARTED AT WEST END AND WORKED EASTERLY (GRIDS T-W, 11-13):
  - 158 LOADS (~1,900 CY)
  ~ 125'X200' = 25,000 SF
- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN – GRIDS K-M, 5-6):
  - 72 LOADS = 1223 TONS (~ 815 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 9-HOURS.

* DISCUSSED NEED TO SEED AND MULCH NEXT WEEK WITH TENNOCA AND EVERGREEN. TENNOCA WILL WORK SATURDAY TO BE READY. DISCUSSED NEED TO SCREEN AND BUS SCHEDULE.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:10 TO 17:40.
- CONDUCTED 6 IN-PLACE DENSITY TESTS.
- COLLECTED: 3 STONE SAMPLES (4,5,+6) FOR GS; 2 IN-PLACE COVER SOIL SAMPLES (IPCS-3+4) FOR GS; AND, 1 ORCHARD SOIL SAMPLE (BSOS-31) FOR PROCTOR AND GS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E. TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 16 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: OVERCAST
TEMP: 50-65
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN
OWEN = 7-8 TRUCKS
ER = 3-4 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA FINISHED SPREADING AND COMPACTING COVER SOIL ON SOUTH SLOPE. COMPLETED GRID W TO ABOUT 25-FEET FROM AREA A-EAST. STONE EXPOSED TO ALLOW RUNOFF FROM ORCHARD SOIL.
  - 30 LOADS (~350 CY)
  ~ 125'X25' = 3,000 SF
- TENNOCA BEGAN SPREADING AND COMPACTING COVER SOIL ON NORTH SLOPE. STARTED AT WEST END AND WORKED EASTERLY (GRIDS F-I, 2-3):
  - 110 LOADS (~1,350 CY)
  ~ 100'X200' = 20,000 SF
- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN – GRIDS K-M, 4-6):
  - 91 LOADS = 1,545 TONS (~ 1,000 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 9-1/2 HOURS.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 08:05 TO 18:00 (MORNING TRIP TO SOILS LAB).
- CONDUCTED 4 IN-PLACE DENSITY TESTS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E. TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 17 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☐F☐S☒

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: OVERCAST WITH OCC. LIGHT RAIN
TEMP: 50-55
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN
OWEN = 3 TRUCKS
ER = 3 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON NORTH SLOPE. STARTED AT WEST END AND WORKED EASTERLY (GRIDS J-M, 2-3):
  - 152 LOADS (~1,800 CY)
  - ~ 100'X200' = 20,000 SF
- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN – GRIDS K-M, 4-6):
  - 29 LOADS = 409 TONS (~ 270 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 7-1/2 HOURS.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:05 TO 16:00.
- CONDUCTED 6 IN-PLACE DENSITY TESTS. DID NOT MEET SPECIFICATIONS. REWORK AND TEST NEXT WEEK.
- NEED TO ADD SOIL TO SLOPE AND COMPACT.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 19 SEPTEMBER 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: OVERCAST TO MOSTLY CLOUDY
TEMP: 50-65
WIND: MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAQUE	EVERGREEN	
	PHILIPPLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
OWEN = 7 TRUCKS
ER = 4 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON NORTH SLOPE. STARTED AT WEST END AND WORKED EASTERLY (GRIDS N-T, 2-3):
  - 192 LOADS (~2,300 CY)
  ~ 100'X350' = 35,000 SF
- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN – GRIDS J-L, 6-8):
  - 70 LOADS = 1,100 TONS (~ 700 CY)
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 9 HOURS.

** OWEN'S TRUCK TAIL GATE OPENED WHILE ON INCINERATOR ROAD. TWO DRIVERS AND SME SHOVELED ABOUT FOUR 5-GALLON BUCKETS OF ORCHARD SOIL AND BROUGHT TO SITE. LAST LOAD OF DAY.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 19:00.
- ORCHARD SOIL SPILL ON INCINERATOR ROAD DUE TO TAIL GATE MALFUNCTION.
- NEED TO ADD SOIL TO NORTH SLOPE AND COMPACT.
- PERFORMED >20 DEPTH CHECKS ON SOUTH SLOPE. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 20 SEPTEMBER 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: OVERCAST W/ LT RAIN TO MOSTLY CLOUDY
TEMP: 55-70
WIND: MODERATE
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
10:00	LUKE WILLIAMS, JIM GIAQUE	EVERGREEN	WEEKLY MEETING
10:00	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
OWEN = 0 TRUCKS
ER = 0 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA FINISHED SPREADING AND COMPACTING COVER SOIL ON NORTH SLOPE. STARTED AT WEST END AND WORKED EASTERLY (GRIDS T-W, 2-3):
  - 96 LOADS (~1,100 CY)
  - ~ 100'X150' = 15,000 SF
- TENNOCA STARTED SPREADING AND COMPACTING COVER SOIL ON WEST SLOPE. STARTED AT SOUTH END AND WORKED NORTHERLY (GRIDS B-D, 7-9):
  - 100 LOADS (~1,200 CY)
  - ~ 100'X150' = 15,000 SF
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 9 HOURS.

** NO ORCHARD SOIL DELIVERY. ORCHARD SITE MESSY DUE TO RAIN

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 06:55 TO 17:40.
- SEE NOTES FROM WEEKLY MEETING "Evergreen-Area_A-West_Closure_Meeting20110920.doc"

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 21 SEPTEMBER 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: OVERCAST W/ LT RAIN TO MOSTLY CLOUDY
TEMP: 55-70
WIND: MODERATE
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
OWEN = 0 TRUCKS
ER = 0 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA FINISHED SPREADING AND COMPACTING COVER SOIL ON WEST SLOPE. WORKED SOUTH TO NORTH (GRIDS B-D, 6-7):
  - 80 LOADS (~960 CY)
  - ~ 100'X50' = 5,000 SF
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 8-1/2 HOURS.
- TENNOCA WORKED ON FINE GRADING AND TRACKING COVER SOIL ON NORTH SLOPE.
- HALF OF CREW SENT HOME EARLY DUE TO RAIN AND LACK OF WORK.
- TENNOCA CONTINUED REGRADING PREVIOUSLY PLACED ORCHARD SOIL.

** NO ORCHARD SOIL DELIVERY. ORCHARD SITE MESSY DUE TO RAIN. ~ 0.2"

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:15 TO 17:30.
- PERFORMED 17 IN-PLACE MOISTURE/DENSITY TESTS ON NORTH SLOPE.
- PERFORMED 20 DEPTH CHECKS ON NORTH SLOPE. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 22 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: OVERCAST TO MOSTLY CLOUDY
TEMP: 55-65
WIND: MODERATE
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	7	RICK BALDWIN
HIGH COUNTRY HYDROSEEDING		5	JIM LEQUIRE

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	
10:00	ANDREA KELLER	NCDENR	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
OWEN = 0 TRUCKS
ER = 0 TRUCKS
HIGH COUNTRY = 1 HYDROSEEDER (TRUCK), 1 MULCH SPREADER HAULED BY ONE-TON PICKUP, 1 HAY TRUCK.

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED REGRADING PREVIOUSLY PLACED ORCHARD SOIL. FILLING REMAINING SECTION OF ROAD ALONG CENTER OF CELL. (GRIDS H-K, 6-8)
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 9 HOURS.
- TENNOCA WORKED ON FINE GRADING AND TRACKING WEST SLOPE.
- HIGH COUNTRY SEEDED, MULCHED AND SPRAYED TACK ON SOUTH SLOPE. CREW ARRIVED AFTER LUNCH AND WORKED UNTIL 7 PM. DID NOT INSTALL EROSION CONTROL MAT. ECM ON-SITE.

** NO ORCHARD SOIL DELIVERY.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:05 TO 19:00.
- PERFORMED 4 IN-PLACE MOISTURE/DENSITY TESTS ON NORTH SLOPE.
- PERFORMED 8 DEPTH CHECKS ON WEST SLOPE. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 23 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: OVERCAST AM RAIN TO MOSTLY CLEAR
TEMP: 60-75
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5-7	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
OWEN = 0 TRUCKS
ER = 0 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 8 HOURS.
- BEGAN EXCAVATING AND GRADING WASTE AT SOUTHEAST CORNER – REMOVING ENTRANCE ROAD INTO CELL. PULLED WASTE BACK FROM ROAD TO ACHIEVE DESIGNED DITCH GRADES.

- TENNOCA SET UP LIGHT STAND TO WORK SUNDAY NIGHT. 24-INCH PIPE AND MINI-EXCAVATOR ON-SITE TO BEGIN STORM DRAIN PIPING MONDAY.

- HIGH COUNTRY NOT ON-SITE. DECIDED NOT TO WORK DUE TO RAIN OVERNIGHT. COVER SOIL DRIED DURING DAY.

* MINOR EROSION OF COVER SOIL DUE TO RAIN ~ 0.92". MOSTLY AT TIRE RUTS ALONG CROWN FROM MULCH TRUCK.
* NO ORCHARD SOIL DELIVERY TODAY.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 17:05.
- COMPLETED LEVEL SURVEY OF WASTE AND DITCH LINE AT SE CORNER.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 24 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☐F☐S☒

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR

TEMP: 55-70
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	2	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
OWEN = 0 TRUCKS
ER = 0 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 8 HOURS.
- FINISHED GRADING WASTE AT SOUTHEAST CORNER – REMOVING ENTRANCE ROAD INTO CELL.

- HIGH COUNTRY NOT ON-SITE. "NOT ORGANIZED TO SEED TODAY"

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:00 TO 12:00.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 26 SEPTEMBER 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO CLEAR, SUNNY
TEMP: 65-80
WIND: MODERATE TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	10	RICK BALDWIN
HIGH COUNTRY	0	4	JIM LEQUIRE

VISITOR

Time	Name	Representing	Remarks
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
1 MINI EXCAVATOR
OWEN = 6-8 TRUCKS
ER = 2-4 TRUCKS
HIGH COUNTRY = 1 HYDROSEEDER, 1 MULCH SPREADER, 1 HAY TRUCK

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL. BEGAN PLACEMENT ON CROWN, STARTED AT EAST END AND WORKED WESTERLY (GRIDS W, 5-8) LEAVING OPEN ORCHARD SOIL ALONG NORTH, EAST AND SOUTH EDGES FOR RUNOFF:
  - 50 LOADS (~ 600 CY), ~ 50' X 200'= 10,000 SF
- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN – GRIDS F-G, 9-11):
  - 67 LOADS = 820 TONS (~ 540 CY)
- HIGH COUNTRY SEEDED NORTH (85,000 SF) AND WEST (20,000) SLOPES. DID NOT MULCH DUE TO HIGH WINDS. INSTALLED EROSION CONTROL MATTING:
  - SOUTH SLOPE = SC-250, 550' LONG BY 12' WIDE
  - NORTH SLOPE = SC-250, 700' LONG BY 12' WIDE
  - WEST SLOPE = S-75, 200' LONG BY 8' WIDE
- TENNOCA STRUCTURE CREW ON SITE. BEGAN STORM DRAIN PIPE AND HEADWALLS AT MH#6 AND MH#5:
  - MH#6 = 14-FEET 24" Ø CORRUGATED HDPE PIPE, FRAMED HEADWALL FORM
  - MH#5 = 14-FEET 24" Ø CORRUGATED HDPE PIPE
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED OVERNIGHT AND DURING DAY ~ 18 HOURS.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 06:55 TO 18:30.
- PERFORMED 5 DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E. TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 27 SEPTEMBER 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO CLEAR, SUNNY
TEMP: 60-75
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	10-11	RICK BALDWIN
HIGH COUNTRY	0	4	JIM LEQUIRE

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS, BRAD GOODSON	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
1 MINI EXCAVATOR
OWEN = 5-7 TRUCKS
ER = 2-4 TRUCKS
VULCAN = 10 HIRED TRUCKS
HIGH COUNTRY = 1 HYDROSEEDER, 1 MULCHER WITH HAY TRUCK

CONSTRUCTION ACTIVITIES:

- TENNOCA SPREAD 12-INCH LAYER OF #67 DRAINAGE STONE AT SOUTHWEST SLOPE:
  - 65 LOADS = 1,237 TONS
- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ONCROWN, EAST TO WEST (GRIDS U-W,5-8) LEAVING OPEN ORCHARD SOIL ALONG NORTH AND SOUTH EDGES FOR RUNOFF:
  - 190 LOADS (~ 600 CY), ~ 175'X200'= 35,000 SF
- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN – GRIDS E-F, 7-11):
  - 78 LOADS = 1,000 TONS (~ 670 CY)
- HIGH COUNTRY SPREAD MULCH AND TACKED NORTH (85,000 SF) AND WEST (20,000) SLOPES.
- TENNOCA STRUCTURE CREW ON SITE. WORKING ON STORM DRAIN PIPE AND HEADWALLS :
  - MH#6 = MORTARED PIPE INLET AND POURED CONCRETE (SOUTHERN CONCRETE MATERIALS)
  - MH#5 = MORTARED PIPE INLET, FRAMED HEADWALL FORM AND POURED CONCRETE
  - MH#4 = EXCAVATED TRENCH
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY. WATER TRUCK HAD TROUBLE KEEPING UP DUE TO OPERATIONS BEING SPREAD OUT AND TRUCKS TRAVELLING MANY PATHS. CONCENTRATED ON ORCHARD SOIL AND CROWN.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED OVERNIGHT AND DURING DAY ~ 18 HOURS.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 06:50 TO 18:25.
- PERFORMED >15 DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E. TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 28 SEPTEMBER 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY CLEAR TO OVERCAST
TEMP: 50-70
WIND: LIGHT TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	11	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
1 MINI EXCAVATOR
OWEN = 7 TRUCKS
ER = 2 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON SOUTHWEST CORNER SLOPE:
  - 190 LOADS (~ 2,280 CY)
  - SOUTH SLOPE (16") GRIDS E-I, 12-14 = 100'X240'~24,000 SF
  - SW CORNER (1X12") GRIDS C-D, 12-13 = 100'X100'~10,000 SF
- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN – GRIDS D-F, 6-11):
  - 82 LOADS = 1,093 TONS (~ 730 CY)
- TENNOCA STRUCTURE CREW ON SITE. WORKING ON STORM DRAIN PIPE AND HEADWALLS :
  - MH#6 = BACKFILLED AND REPLACED STEPS
  - MH#5 = BACKFILLED AND REPLACED STEPS
  - MH#4 = INSTALLED 24"Ø HDPE PIPE, MORTARED INLET AND FRAMED HEADWALL AND APRON.
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY. WATER TRUCK HAD TROUBLE KEEPING UP DUE TO OPERATIONS BEING SPREAD OUT AND TRUCKS TRAVELLING MANY PATHS. CONCENTRATED ON ORCHARD SOIL AND CROWN.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED OVERNIGHT AND DURING DAY ~ 18 HOURS.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:05 TO 18:25.
- PERFORMED DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.
- PERFORMED 6 IN-PLACE MOISTURE/DENSITY TESTS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 29 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: OVERCAST TO MOSTLY CLEAR
TEMP: 50-75
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	11	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
10:00	LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
10:00	BRAD GOODSON	EVERGREEN	WEEKLY MEETING
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
1 MINI EXCAVATOR
OWEN = 8 TRUCKS
ER = 4 TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON SW CORNER AND CROWN:
  - 200 LOADS (~ 2,400 CY)
  - WEST SLOPE (16") GRIDS B-D, 10-11 = 100'X100'~10,000 SF
  - SW CORNER (2X12") GRIDS C-D, 12-13 = 100'X100'~10,000 SF
  - CROWN (16") GRIDS X-Y, 5-8 = 50'X200' ~ 10,000 SF
- TENNOCA FINISHED SPREADING ORCHARD SOIL (CROWN – GRIDS D-F, 5-8):
  - 47 LOADS = 460 TONS (~ 240 CY)
- TENNOCA STRUCTURE CREW ON SITE. WORKING ON STORM DRAIN PIPE AND HEADWALLS :
  - MH#6 = FRAMED FOR CONCRETE APRON
  - MH#4 = POURED CONCRETE HEADWALL AND INLET APRON.
  - MH#3 = INSTALLED 24"Ø HDPE PIPE, MORTARED INLET AND FRAMED HEADWALL AND APRON.
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED OVERNIGHT AND DURING DAY ~ 18 HOURS.

* ORCHARD SOIL DELIVERY COMPLETED.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 06:50 TO 18:25.
- PERFORMED DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.
- PERFORMED 4 IN-PLACE MOISTURE/DENSITY TESTS.
- SEE NOTES FROM WEEKLY MEETING "Evergreen-Area_A-West_Closure_Meeting20110929.doc"

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E. TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 30 SEPTEMBER 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: OVERCAST TO MOSTLY CLEAR
TEMP: 50-65
WIND: MODERATE TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	11	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	EVERGREEN	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
1 MINI EXCAVATOR

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CROWN GRIDS R-T, 4-9:
  - 152 LOADS (~ 1,800 CY)
  - ~ 200'X200' = 40,000 SF
  - TOTAL COVER SOIL ON CROWN (GRIDS R-X, 4/5-8/9) TO DATE ~79,000 SF
- TENNOCA STRUCTURE CREW ON SITE. WORKING ON STORM DRAIN PIPE AND HEADWALLS :
  - MH#6 = POURED CONCRETE APRON
  - MH#5 = FRAMED AND POURED CONCRETE APRON
  - MH#3 = POURED CONCRETE HEADWALL AND APRON.
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS THROUGHOUT DAY.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED OVERNIGHT AND DURING DAY ~ 18 HOURS.

* HIGH WIND AFTER 1400-HOURS CREATED EXCESS DUST. STOPPED TRUCKING EARLY BECAUSE WATER TRUCK COULD NOT KEEP UP.

QUALITY ASSURANCE:

- BOB CURTIS ON-SITE FROM 07:15 TO 16:30.
- PERFORMED DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.
- PERFORMED 13 IN-PLACE MOISTURE/DENSITY TESTS ON CROWN.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS, P.E.

TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 3 OCTOBER 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUNNY

TEMP: 35-65
WIND: HIGH
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
1 MINI EXCAVATOR

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CROWN:
  - 201 LOADS (~ 2,400 CY)
  - ~ 57,000 SF
  - TOTAL COVER SOIL ON CROWN TO DATE ~136,000 SF
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED OVERNIGHT AND DURING DAY ~ 20 HOURS.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:50.
- PERFORMED DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.
- PERFORMED 5 IN-PLACE MOISTURE/DENSITY TESTS ON CROWN.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 4 OCTOBER 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUNNY

TEMP: 40-70
WIND: LIGHT
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	9	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 2 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
1 MINI EXCAVATOR

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CROWN:
  - 46 LOADS (~ 500 CY)
  ~ 5,000 SF
  - TOTAL COVER SOIL ON CROWN TO DATE ~141,000 SF
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED OVERNIGHT AND DURING DAY ~ 20 HOURS.
- TENNOCA INSTALLED CHECK DAMS IN SOUTH AND NORTH DITCHES. RAILROAD BALLAST WILL BE INSTALLED ON THE INLET SIDE OF ALL OF THE CHECK DAMS.
- TENNOCA SHAPED BERMS ON THE DOWNHILL SIDE OF THE PIPE INLETS.
- TENNOCA REGRADED ORCHARD SOIL.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:20 TO 17:45.
- PERFORMED DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 5 OCTOBER 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUNNY

TEMP: 40-80
WIND: MODERATE
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	9	RICK BALDWIN
HIGH COUNTRY	0	5	JIM LEQUIRE, ALLEN STEWART

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
1 MINI EXCAVATOR
HIGH COUNTRY = 1 HYDROSEEDER, 1 MULCHER WITH HAY TRUCK

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CROWN:
  - 191 LOADS (~ 2,300 CY)
  ~ 42,000 SF
  - TOTAL COVER SOIL ON CROWN TO DATE ~183,000 SF
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED OVERNIGHT AND DURING DAY ~ 20 HOURS.
- HIGH COUNTRY SEEDED SLOPES ON SOUTHWEST CORNER (~60,000 SF).
- HIGH COUNTRY SEEDED, SPREAD MULCH AND TACKED CROWN (~85,000 SF)
- HIGH COUNTRY INSTALLED EROSION CONTROL MAT IN SOUTH AND WEST DITCH.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:50.
- PERFORMED DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 6 OCTOBER 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUNNY
TEMP: 45-75
WIND: LIGHT TO MODERATE
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	9	RICK BALDWIN
HIGH COUNTRY	0	5	JIM LEQUIRE, ALLEN STEWART

VISITOR

Time	Name	Representing	Remarks
	LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
HIGH COUNTRY = 1 HYDROSEEDER, 2 MULCHERS WITH HAY TRUCK

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CROWN:
  - 233 LOADS (~ 2,800 CY)
  - ~ 62,000 SF
  - TOTAL COVER SOIL ON CROWN TO DATE ~245,000 SF
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED OVERNIGHT AND DURING DAY ~ 20 HOURS.
- HIGH COUNTRY SEEDED, SPREAD MULCH AND TACKED CROWN (~85,000 SF)

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 18:50.
- PERFORMED DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.
- PERFORMED 10 IN-PLACE MOISTURE/DENSITY TESTS ON CROWN.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 7 OCTOBER 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUNNY, HEAVY AM FOG
TEMP: 45-75
WIND: MODERATE
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN
HIGH COUNTRY	0	5	JIM LEQUIRE, ALLEN STEWART

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER
HIGH COUNTRY = 1 HYDROSEEDER, 1 MULCHER WITH HAY TRUCK

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CROWN:
  - 187 LOADS (~ 2,200 CY)
  - ~ 42,000 SF
  - TOTAL COVER SOIL ON CROWN TO DATE ~287,000 SF
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED OVERNIGHT AND DURING DAY ~ 20 HOURS.
- HIGH COUNTRY SEEDED, SPREAD MULCH AND TACKED CROWN (~85,000 SF)
- HIGH COUNTRY REPAIRED EROSION CONTROL MAT NEAR PIPE INLETS IN NORTH DITCH

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:15.
- PERFORMED DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.
- PERFORMED 5 IN-PLACE MOISTURE/DENSITY TESTS ON CROWN.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 10 OCTOBER 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: CLOUDY
TEMP: 60-65
WIND: MODERATE TO HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	7	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	

EQUIPMENT

TENNOCA = 1 DOZER, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CROWN AND SOUTH ROAD:
  - 303 LOADS (~ 3,600 CY)
  ~ 66,000 SF
  - TOTAL COVER SOIL ON CROWN TO DATE ~353,000 SF
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED DURING DAY ~ 9.5 HOURS.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 18:00.
- PERFORMED DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.
- PERFORMED 5 IN-PLACE MOISTURE/DENSITY TESTS ON CROWN.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

imSEVEE & MAHER ENGINEERS, INC.

DATE: 11 OCTOBER 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: LIGHT RAIN

TEMP: 55-60
WIND: LIGHT TO MODERATE
HUMIDITY: HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 SHEEPSFOOT ROLLER

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CROWN AND NORTH & SOUTH ROADS:
  - 143 LOADS (~ 1,700 CY)
  ~ 45,000 SF
  - TOTAL COVER SOIL ON CROWN TO DATE ~398,000 SF
- TENNOCA OPERATED WATER TRUCK ALL DAY FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED DURING DAY ~ 9.5 HOURS.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:35.
- PERFORMED DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 12 OCTOBER 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: CLOUDS TO SUN

TEMP: 50-75
WIND: LIGHT TO MODERATE
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN

CONSTRUCTION ACTIVITIES:

- TENNOCA BEGAN SPREADING SOIL ON CELL 6C UPPER:
  - 169 LOADS (~ 2,000 CY)
- TENNOCA OPERATED WATER TRUCK AS NEEDED FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED DURING DAY ~ 9.5 HOURS.

*TWO REAR DUMPS INVOLVED IN ACCIDENT AT APPROXIMATELY 13:30. ONE TRUCK BACKED THE DUMP BODY INTO THE RIGHT FRONT GRILL/HOOD AREA OF THE OTHER. THERE WERE NO INJURIES, ONLY COSMETIC DAMAGE TO FRONT OF ONE REAR DUMP.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:15 TO 17:40.
- PERFORMED DEPTH CHECKS ON CROWN. TENNOCA ADDED AND REMOVED SOIL AS NEEDED.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 13 OCTOBER 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MORNING SUN TO PM CLOUDS AND SHOWERS
TEMP: 55-70
WIND: MODERATE TO HIGH
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING SOIL ON CELL 6C UPPER:
  - 128 LOADS (~ 1,500 CY)
- TENNOCA OPERATED WATER TRUCK AS NEEDED FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED DURING DAY ~ 9 HOURS.
- TENNOCA REPAIRED COVER SOIL EROSION ON SOUTH SLOPE.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:15 TO 17:40.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 17 OCTOBER 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY
TEMP: 45-80
WIND: LIGHT
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 3 REAR DUMPS, 1 WATER TRUCK, 1 SHEEPSFOOT ROLLER

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING COVER SOIL ON CELL 6C UPPER:
    - 125 LOADS (~ 1,500 CY)
    - SOUTH SLOPE 175x80' ~ 14,000 SF
    - NORTH SLOPE 100x125' ~ 12,500 SF
- TENNOCA OPERATED WATER TRUCK AS NEEDED FOR DUST CONTROL.
- TENNOCA REMOVED WASTE FROM NORTH SLOPE NEAR 6A EAST

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:30 TO 17:50.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 18 OCTOBER 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MORNING SUN TO PM CLOUDS
TEMP: 55-70
WIND: MODERATE TO HIGH
HUMIDITY: MODERATE TO HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	8	RICK BALDWIN
HIGH COUNTRY	0	5	JIM LEQUIRE, ALLEN STEWART

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

EQUIPMENT

TENNOCA = 2 DOZERS, 3 EXCAVATORS, 2 REAR DUMPS, 1 WATER TRUCK, 1 SHEEPSFOOT ROLLER, 1 SOIL SCREEN
HIGH COUNTRY = 1 HYDROSEEDER, 1 MULCHER WITH HAY TRUCK
VULCAN = 3 HIRED TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CELL 6C UPPER:
  - 21 LOADS (~ 250 CY)
  - WEST SLOPE 45x100' ~4,500 SF
- TENNOCA OPERATED WATER TRUCK AS NEEDED FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED DURING DAY ~ 9 HOURS.
- TENNOCA REPAIRED COVER SOIL EROSION ON SOUTH SLOPE.
- TENNOCA HAULED WASTE FROM NORTHWEST CORNER TO CELL 6D SOUTH
- TENNOCA STRUCTURE CREW ON SITE. WORKING ON STORM DRAIN PIPE AND HEADWALLS :
  - MH#2 = INSTALLED 24"Ø HDPE PIPE, FRAMED AND POURED CONCRETE HEADWALL AND APRON.
- TENNOCA CONTINUED SPREADING #67 STONE:
  - 3 LOADS = 54.5 TONS
- HIGH COUNTRY SEEDED, SPREAD MULCH AND TACKED "ROADS" ON CROWN, AND THE EAST ENDS OF THE NORTH AND SOUTH SLOPES. (~130,000 SF SEEDED, ~ 43,000 SF NOT MULCHED OR TACKED DUE TO WINDS)

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:30.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 19 OCTOBER 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: INTERMITTENT SHOWERS

TEMP: 40-65
WIND: MODERATE TO HIGH
HUMIDITY:HIGH

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	3	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 1 SOIL SCREEN

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED DURING DAY ~ 9.5 HOURS.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 09:10.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

PAGE 1 OF 1 PAGE

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 20 OCTOBER 2011
DAY S☐M☐T☐W☐T☒F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MORNING SUN TO PM CLOUDS
TEMP: 35-50
WIND: HIGH
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	9	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 3 EXCAVATORS, 3 REAR DUMPS, 1 SHEEPSFOOT ROLLER, 1 SOIL SCREEN
VULCAN = 6 HIRED TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CELL 6C UPPER:
    - 119 LOADS (~ 1,400 CY)
    - WEST SLOPE 100x110' TRIANGLE ~ 5,500 SF
    - NORTH SLOPE 85x90' ~7,600 SF
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED DURING DAY ~ 9.5 HOURS.
- TENNOCA STRUCTURE CREW ON SITE. WORKING ON STORM DRAIN PIPE AND HEADWALLS :
    - MH#7 = INSTALLED 24"Ø HDPE PIPE, FRAMED AND POURED CONCRETE HEADWALL AND APRON, AND
    - MORTARED INLET.
- TENNOCA CONTINUED SPREADING #67 STONE:
    - 25 LOADS = 440 TONS

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:45.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 21 OCTOBER 2011
DAY S☐M☐T☐W☐T☐F☒S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY

TEMP: 40-55
WIND: LIGHT
HUMIDITY: MODERATE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	6	RICK BALDWIN
HIGH COUNTRY	0	5	JIM LEQUIRE, ALLEN STEWART

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 SHEEPSFOOT ROLLER, 1 SOIL SCREEN
HIGH COUNTRY = 1 HYDROSEEDER, 1 MULCHER WITH HAY TRUCK
VULCAN = 4 HIRED TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CELL 6C UPPER:
    - 79 LOADS (~ 950 CY)
    - NORTH SLOPE 90x140' TRIANGLE ~6,300 SF
- TENNOCA CONTINUED SCREENING COVER SOIL. OPERATED DURING DAY ~ 8 HOURS.
- TENNOCA CONTINUED SPREADING #67 STONE:
    - 5 LOADS = 101 TONS
- HIGH COUNTRY SEEDED, SPREAD MULCH AND TACKED CROWN (~ 85,000 SF SEEDED, ~130,000 SF MULCHED AND TACKED)

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:00 TO 17:00.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 24 OCTOBER 2011
DAY S☐M☒T☐W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUNNY

TEMP: 45-70
WIND: MODERATE
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	12	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS
VULCAN = 2 HIRED TRUCKS

CONSTRUCTION ACTIVITIES:

- TENNOCA CONTINUED SPREADING #67 STONE:
  - 8 LOADS = 164 TONS
- TENNOCA HAULED WASTE FROM NORTHEAST CORNER TO CELL 6D-SOUTH (20 LOADS)
- TENNOCA CONTINUED SPREADING AND COMPACTING COVER SOIL ON CROWN AND NORTHWEST CORNER:
  - 33 LOADS (~ 400 CY)
- GROUT STORMWATER PIPE AND REINSTALL STEPS IN MH#2
- REGRADE DITCH NEAR MH#2 AND MH#7

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:30 TO 18:20.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 25 OCTOBER 2011
DAY S☐M☐T☒W☐T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: MOSTLY SUNNY

TEMP: 40-70
WIND: LIGHT
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	12	RICK BALDWIN

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

EQUIPMENT

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 3 REAR DUMPS, 1 WATER TRUCK

CONSTRUCTION ACTIVITIES:

- TENNOCA FINISHED SPREADING AND COMPACTING COVER SOIL ON CELL 6C UPPER (NW CORNER):
  - 52 LOADS (~ 620 CY)
- TENNOCA GRADED DITCH IN NORTHWEST CORNER.
- TENNOCA GRADED GRAVEL PILES ON THE EAST END OF 6A-WEST, NEAR THE NORTH AND SOUTH PAVED ACCESS ROADS.
- TENNOCA GROUTED STORMWATER PIPE AND REINSTALLED STEPS IN MH#3.
- TENNOCA REINSTALLED STEPS IN MH#7.

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:30 TO 17:20.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

DATE: 26 OCTOBER 2011
DAY S☐M☐T☐W☒T☐F☐S☐

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO
PROJECT MANAGER: GUY COTE

WEATHER: SUNNY

TEMP: 40-75
WIND: LIGHT TO MODERATE
HUMIDITY: LOW

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA	1	5	RICK BALDWIN
HIGH COUNTRY	0	5	JIM LEQUIRE, ALLEN STEWART

VISITOR

Time	Name	Representing	Remarks
	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	

EQUIPMENT

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 3 REAR DUMPS, 1 BACKHOE LOADER
HIGH COUNTRY = 1 HYDROSEEDER, 1 MULCHER WITH HAY TRUCK

CONSTRUCTION ACTIVITIES:

- TENNOCA INSTALLED FIVE EDGE OF WASTE SIGNS. TENNOCA WILL INSTALL TWO MORE ON THURSDAY.
- TENNOCA HAULED SOIL TO CELL 6C-UPPER
- TENNOCA INSTALLED REMAINING STONE CHECK DAMS AND INSTALLED BALLAST STONE ON THE INLET SIDE OF EXISTING CHECK DAMS.
- HIGH COUNTRY SEEDED, MULCHED AND TACKED CROWN (~44,000 SF) AND NORTHWEST CORNER (~44,000 SF)
- HIGH COUNTRY INSTALLED EROSION CONTROL MAT IN NORTH AND WEST DITCHES, AND REPAIRED EROSION CONTROL MAT NEAR MH#7

QUALITY ASSURANCE:

- TYLER PEASE ON-SITE FROM 07:30 TO 18:20.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I.

TITLE: ENVIRONMENTAL ENGINEER

WEEKLY REPORTS

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONTRACTING
PROJECT MANAGER: GUY COTE

WEEK ENDING: 25 JUNE 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	3 - 4	RICK BALDWIN - FOREMAN

VISITORS

Date	Name	Representing	Remarks
6/20/11	LUKE WILLIAMS, JIM GIAUQUE, BILL VONVITZTHUME, GAIL NORRIS	EVERGREEN	WEEKLY MEETING
6/20/11	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 10-20 HIRED TRUCKS

CONSTRUCTION ACTIVITIES

- BEGAN SPREADING #67 STONE FROM WEST TO EAST:
  - 445 LOADS = 8,189 TONS
- TENNOCA BEGAN GRADING WASTE IN DITCH ALONG WEST AND SOUTH SLOPES.
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH SLOPE WITH HELP FROM SOUTHERN MAINTENANCE.

QUALITY ASSURANCE:

- SME RESET GRADE STAKES LAYED OUT BY SURVEYOR

DISTRIBUTION:

1. Project Manager
2. MDEP
3. File
4. Client

BY: ROBERT CURTIS, P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 02 JULY 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	3 - 5	RICK BALDWIN - FOREMAN

VISITORS

Date	Name	Representing	Remarks
6/28/11	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
6/28/11	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 14-22 HIRED TRUCKS
OWENS = 12-18 TRUCKS
ER = 5-6 TRUCKS

CONSTRUCTION ACTIVITIES

- CONTINUED SPREADING #67 STONE:
  - 687 LOADS = 12,330 TONS
- BEGAN SPREADING ORCHARD SOIL
  - 728 LOADS = 11,432 TONS
- CONTINUED GRADING WASTE IN DITCH ALONG SOUTH SLOPE
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH SLOPE WITH HELP FROM SOUTHERN MAINTENANCE.

** ORCHARD SOIL ARRIVED ON-SITE WET MONDAY AND TUESDAY. ER EXCAVATING FROM LOWER PILE. ER BEGAN EXCAVATING SOIL FROM DRIER, UPPER STOCKPILE BEGINNING TUESDAY AFTERNOON. WET SOIL SPREAD IN 2' LIFT AND WORKED TO DRY. IT TOOK 3-4 DAYS TO DRY SOIL. DRIER SOIL SPREAD OVER TOP OF WET SOIL AFTER 3 DAYS.

QUALITY ASSURANCE:

- COLLECTED 2 BORROW SOURCE SOIL SAMPLES OF ORCHARD SOIL FOR GRAIN SIZE AND PROCTOR

DISTRIBUTION:
1. Project Manager
2. MDEP
3. File
4. Client

BY: ROBERT CURTIS, P.E.

TITLE: FIELD ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 09 JULY 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	3 - 6	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT

VISITORS

Date	Name	Representing	Remarks
7/5/11	LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
7/5/11	BRAD GOODSON	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 10-29 HIRED TRUCKS
OWENS = 14-20 TRUCKS
ER = 4-5 TRUCKS

CONSTRUCTION ACTIVITIES

- CONTINUED SPREADING #67 STONE:
  - 653 LOADS = 11,683 TONS
- CONTINUED SPREADING ORCHARD SOIL
  - 857 LOADS = 12,897 TONS
- CONTINUED GRADING WASTE IN DITCH ALONG SOUTH SLOPE
- BEGAN GRADING WASTE IN DITCH ALONG WEST SLOPE
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH SLOPE WITH HELP FROM SOUTHERN MAINTENANCE.

QUALITY ASSURANCE:

- COLLECTED 2 BORROW SOURCE SOIL SAMPLES OF ORCHARD SOIL FOR GRAIN SIZE

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 16 JULY 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	3 - 7	RICK BALDWIN – FOREMAN, RAY CURTIS – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT

VISITORS

Date	Name	Representing	Remarks
7/12/11	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
7/12/11	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 7-14HIRED TRUCKS
OWENS = 19-24 TRUCKS
ER = 5-7 TRUCKS

CONSTRUCTION ACTIVITIES

- CONTINUED SPREADING #67 STONE:
  - 465 LOADS = 8,699 TONS
- CONTINUED SPREADING ORCHARD SOIL
  - 1,451 LOADS = 22,188 TONS
- CONTINUED GRADING WASTE IN DITCH ALONG WEST SLOPE
- BEGAN GRADING WASTE IN DITCH ALONG NORTH SLOPE
- EVERGREEN CONTINUED REGRADING WASTE ALONG NORTH AND WEST SLOPE WITH HELP FROM SOUTHERN MAINTENANCE.

QUALITY ASSURANCE:

- COLLECTED 3 BORROW SOURCE SOIL SAMPLES OF ORCHARD SOIL FOR GRAIN SIZE AND STANDARD PROCTOR

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 23 JULY 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	3 - 6	RICK BALDWIN – FOREMAN, RAY CURTIS – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT
ENVIRONMENTAL FABRICS, INC.	0	2	

VISITORS

Date	Name	Representing	Remarks
7/19/11	LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
7/19/11	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 2 DOZERS, 2 EXCAVATORS, 1 WATER TRUCK
VULCAN = 10-15 HIRED TRUCKS
OWENS = 20-24 TRUCKS
ER = 3-5 TRUCKS

CONSTRUCTION ACTIVITIES

- CONTINUED SPREADING #67 STONE:
  - 203 LOADS = 3,656 TONS
- CONTINUED SPREADING ORCHARD SOIL
  - 1,299 LOADS = 19,094 TONS
- CONTINUED GRADING WASTE IN DITCH ALONG NORTH SLOPE
- CONTINUED GRADING WASTE ON NORTH SLOPE
- ENVIRONMENTAL FABRICS COMPLETED APPROXIMATELY 30 REPAIRS TO LINER
  - ONSITE FROM 08:30 TO 18:45

QUALITY ASSURANCE:

- COLLECTED 3 BORROW SOURCE SOIL SAMPLES OF ORCHARD SOIL FOR GRAIN SIZE AND STANDARD PROCTOR
- COLLECTED 3 #67 STONE SAMPLES FOR GRAIN SIZE
- COLLECTED 4 ANALYTICAL SOIL SAMPLES

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 30 JULY 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	3 - 6	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT

VISITORS

Date	Name	Representing	Remarks
7/26/11	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
7/26/11	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 2 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 10-15 HIRED TRUCKS
OWENS = 18-25 TRUCKS
ER = 0-8 TRUCKS

CONSTRUCTION ACTIVITIES

- CONTINUED SPREADING #67 STONE:
  - 169 LOADS = 3,035 TONS
- CONTINUED SPREADING ORCHARD SOIL
  - 1,478 LOADS = 21,063 TONS (~14,000 CY)
- CONTINUED GRADING WASTE IN DITCH ALONG NORTH SLOPE
- CONTINUED GRADING WASTE ON NORTH SLOPE
- NEW WATER TRUCK ON-SITE WITH DEDICATED DRIVER TO SPRAY ROADS FREQUENTLY. EVERGREEN WATER TRUCK PROVIDED FREQUENT SPRAYINGS TO BETTER REMOVE SEDIMENT.
- TENNOCA PLACED 4 LOADS (80 TONS) OF RAILROAD BALLAST ON EXIT ROAD TO KEEP TRACKING OF SOIL TO A MINIMUM.

QUALITY ASSURANCE:

- COLLECTED 6 BORROW SOURCE SOIL SAMPLES OF ORCHARD SOIL FOR GRAIN SIZE AND STANDARD PROCTOR
  SAMPLE NUMBERS: BSOS-9 – BSOS-14
- COLLECTED 2 ANALYTICAL SOIL SAMPLES AND 1 DUPLICATE SAMPLE.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E.. TITLE: PROJECT ENGINEER

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 06 AUGUST 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	3 - 8	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT

VISITORS

Date	Name	Representing	Remarks
8/2/11	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
8/2/11	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING
8/3/11	MARC PRUETT	HAYWOOD COUNTY	

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 2-3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 10-15 HIRED TRUCKS
OWENS = 11-27 TRUCKS
ER = 0-7 TRUCKS
CLAIBORNE = 10 TRUCKS

CONSTRUCTION ACTIVITIES

- CONTINUED SPREADING #67 STONE:
  - 102 LOADS = 1,873 TONS
- CONTINUED SPREADING ORCHARD SOIL
  - 1,993 LOADS = 31,755 TONS (~21,000 CY)
  - TOTAL TO DATE 118,600 TONS (~79,000 CY)
- CONTINUED GRADING WASTE IN DITCH ALONG NORTH SLOPE
- CONTINUED GRADING WASTE ON NORTH SLOPE
- WATER TRUCK ON-SITE WITH DEDICATED DRIVER TO SPRAY ROADS FREQUENTLY. EVERGREEN WATER TRUCK PROVIDED FREQUENT SPRAYINGS TO BETTER REMOVE SEDIMENT.
- MARC PRUETT ON-SITE DISCUSSING STORMWATER MANAGEMENT AND EROSION CONTROL.
- SOUTHERN MAINTENANCE BEGAN MOWING (BUSH HOGGING) AREA C-UPPER.

QUALITY ASSURANCE:

- COLLECTED 7 BORROW SOURCE SOIL SAMPLES OF ORCHARD SOIL FOR GRAIN SIZE AND STANDARD PROCTOR TESTS. SAMPLE NUMBERS: BSOS-15 – BSOS-21
- COLLECTED 1 BORROW SOURCE SOIL SAMPLE OF COVER SOIL FOR GRAIN SIZE AND STANDARD PROCTOR TEST. SAMPLE NUMBER BSCS-01
- COLLECTED 2 ANALYTICAL SOIL SAMPLES. SAMPLE NUMBERS: SS-007-X-007 AND SS-008-X-008.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E. TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 13 AUGUST 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	1 - 5	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT

VISITORS

Date	Name	Representing	Remarks
8/11/11	LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
8/11/11	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 3 DOZERS, 1 EXCAVATOR, 1 WATER TRUCK
VULCAN = 10-12 HIRED TRUCKS
OWENS = 5-22 TRUCKS
ER = 0-8 TRUCKS
CLAIBORNE = 10 TRUCKS

CONSTRUCTION ACTIVITIES

- CONTINUED SPREADING #67 STONE DRAINAGE LAYER ON NORTH SLOPE:
  - 89 LOADS = 1,681 TONS
- CONTINUED SPREADING ORCHARD SOIL
  - 1,223 LOADS = 20,560 TONS (~13,700 CY)
  - TOTAL TO DATE 139,180 TONS (~92,800 CY)
- BEGAN SPREADING 6-INCH LAYER OF #67 STONE ON SOUTH SLOPE:
  - 108 LOADS = 2026 TONS
- WATER TRUCK ON-SITE WITH DEDICATED DRIVER TO SPRAY ROADS FREQUENTLY. EVERGREEN WATER TRUCK PROVIDED FREQUENT SPRAYINGS TO BETTER REMOVE SEDIMENT.
- SOUTHERN MAINTENANCE FINISHED MOWING (BUSH HOGGING) AREA C-UPPER AND BEGAN AREA C-LOWER.
- ER REDUCED NUMBER OF TRUCKS ON THURSDAY. APPROXIMATELY 100 LOADS PER DAY.

QUALITY ASSURANCE:

- COLLECTED 7 BORROW SOURCE SOIL SAMPLES OF ORCHARD SOIL FOR GRAIN SIZE AND STANDARD PROCTOR TESTS. SAMPLE NUMBERS: BSOS-22 – BSOS-28
- CONDUCTED 5 MOISTURE/DENSITY TESTS – ALL > 90%
- COLLECTED 2 ANALYTICAL SOIL SAMPLES. SAMPLE NUMBERS: SS-009-X-009 AND SS-010-X-00A.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E. TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 20 AUGUST 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	1 - 7	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT
HOLMES SURVEYING		2	RON DAVIS

VISITORS

Date	Name	Representing	Remarks
8/16/11	JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
8/16/11	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 2 OFF ROAD DUMPS, 1 WATER TRUCK, 1 SCREEN
VULCAN = 10 HIRED TRUCKS
OWENS = 5-7 TRUCKS **NO TRUCKS ON SATURDAY**
ER = 6-8 TRUCKS

CONSTRUCTION ACTIVITIES

- CONTINUED SPREADING ORCHARD SOIL
  - 544 LOADS = 8,037 TONS (~5,400 CY)
  - TOTAL TO DATE 147,221 TONS (~98,150 CY)
- FINISHED SPREADING 12" LIFT OF #67 STONE ON NORTH SLOPE AND SOUTHEAST SLOPE:
  - 112 LOAD = 2,128 TON
  - ALL OF DRAINAGE LAYER COMPLETE EXCEPT AT ACCESS ROAD LOCATIONS ON WEST SLOPE.
- CONTINUED SPREADING 6-INCH LAYER OF #67 STONE ON WEST SLOPE:
  - 49 LOADS = 934 TONS
- TENNOCA BEGAN SCREENING COVER SOIL AT STOCKPILE WEST OF CELL.
- WATER TRUCK ON-SITE WITH DEDICATED DRIVER TO SPRAY ROADS FREQUENTLY. EVERGREEN WATER TRUCK PROVIDED FREQUENT SPRAYINGS TO BETTER REMOVE SEDIMENT.
- SOUTHERN MAINTENANCE FINISHED MOWING (BUSH HOGGING) AREAS C-UPPER, C-LOWER, B-UPPER AND B-LOWER.
- FINISHED EXCAVATING WET WASTE ON NORTH SLOPE (GRIDS O-P, 2-3) AND REPLACING WITH COVER SOIL FROM STOCKPILE.
- HOLMES SURVEYING SET GRADES ON SOUTH HALF OF CROWN.

QUALITY ASSURANCE:

- COLLECTED 2 BORROW SOURCE SOIL SAMPLES OF ORCHARD SOIL FOR GRAIN SIZE AND STANDARD PROCTOR TESTS. SAMPLE NUMBERS: BSOS-29 AND BSOS-30.
- CONDUCTED 2 MOISTURE/DENSITY TESTS – ALL > 90%
- COLLECTED 2 ANALYTICAL SOIL SAMPLES. SAMPLE NUMBERS: SS-011-X-00B AND SS-012-X-00C.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E. TITLE: PROJECT ENGINEER

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8/21/2011

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 27 AUGUST 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	2 - 5	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT

VISITORS

Date	Name	Representing	Remarks
8/23/11	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
8/23/11	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 1 OFF ROAD DUMP, 1 WATER TRUCK, 1 SCREEN
VULCAN = 6-16 HIRED TRUCKS
ER = 6 TRUCKS

CONSTRUCTION ACTIVITIES

- CONTINUED SPREADING ORCHARD SOIL
  - 11 LOADS = 124 TONS (~85 CY)
  - TOTAL TO DATE 147,345 TONS (~98,150 CY)
- CONTINUED SPREADING 6-INCH LAYER OF #67 STONE ON NORTH AND SOUTH SLOPES:
  - 128 LOADS = 2,387 TONS
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE WEST OF CELL.
- WATER TRUCK ON-SITE WITH DEDICATED DRIVER TO SPRAY ROADS FREQUENTLY. EVERGREEN WATER TRUCK PROVIDED FREQUENT SPRAYINGS TO BETTER REMOVE SEDIMENT.

QUALITY ASSURANCE:

- COLLECTED 2 ANALYTICAL SOIL SAMPLES. SAMPLE NUMBERS: SS-011-X-00D AND SS-012-X-00E.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 3 SEPTEMBER 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	4 - 5	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT

VISITORS

Date	Name	Representing	Remarks
8/30/11	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
8/30/11	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 1 OFF ROAD DUMP, 1 WATER TRUCK, 1 SCREEN
VULCAN = 15 HIRED TRUCKS
ER = 3-6 TRUCKS
OWENS = 10 TRUCKS

CONSTRUCTION ACTIVITIES

- CONTINUED SPREADING ORCHARD SOIL
  - 266 LOADS = 3,422 TONS (~2,280 CY)
  - TOTAL TO DATE 150,767 TONS (~100,511 CY)
- COMPLETED SPREADING 6-INCH LAYER OF #67 STONE ON NORTH SLOPE:
  - 63 LOADS = 1,200 TONS *ONLY STONE REMAINING IS ON THE WEST CORNERS OF THE CELL*
- TENNOCA CONTINUED SCREENING COVER SOIL AT STOCKPILE WEST OF CELL.
- WATER TRUCK ON-SITE WITH DEDICATED DRIVER TO SPRAY ROADS FREQUENTLY. EVERGREEN WATER TRUCK PROVIDED FREQUENT SPRAYINGS TO BETTER REMOVE SEDIMENT.
- TENNOCA BEGAN REGRADING THE ON-SITE ORCHARD SOIL.

QUALITY ASSURANCE:

- COLLECTED 2 ANALYTICAL SOIL SAMPLES, AND ONE DUPLICATE.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 10 SEPTEMBER 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	4 - 5	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT

VISITORS

Date	Name	Representing	Remarks
9/6/11	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
9/6/11	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 2 OFF ROAD DUMPS, 1 WATER TRUCK

CONSTRUCTION ACTIVITIES

- NO WORK ON MONDAY DUE TO LABOR DAY HOLIDAY.
- NO WORK ON TUESDAY DUE TO MONDAY NIGHT RAIN AND WET CONDITIONS.
- CONTINUED REGRADING THE ON-SITE ORCHARD SOIL.
- GRADED 6" LAYER OF STONE ON NORTH AND SOUTH SLOPES.
- INSTALLED HAUL ROAD FROM NORTHWEST CORNER OF CELL TO THE COVER SOIL STOCKPILE. AT THE END OF CONSTRUCTION, THE DITCHES WILL BE RE-ESTABLISHED, AND THE DISTURBED AREA WILL BE SEEDED AND MULCHED.

QUALITY ASSURANCE:

- COLLECTED 4 COVER SOIL SAMPLES.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 17 SEPTEMBER 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	5 - 8	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT

VISITORS

Date	Name	Representing	Remarks
9/13/11	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
9/13/11	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING
9/13/11	PAUL DICKINS	EVERGREEN	

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 2-3 DOZERS, 2 EXCAVATORS, 2-3 OFF ROAD DUMP, 1 WATER TRUCK, 1 SOIL SCREEN
OWEN = 0-8 HIRED TRUCKS
ER = 3-4 TRUCKS

CONSTRUCTION ACTIVITIES

- TENNOCA SPREAD AND COMPACTED COVER SOIL ON SOUTH SLOPE. COMPLETED GRIDS J-W, 12-13 TO ABOUT 25-FEET FROM AREA A-EAST. STONE EXPOSED TO ALLOW RUNOFF FROM ORCHARD SOIL.
  - 641 LOADS (~7,450 CY)
  - ~ 90,000 SF
- TENNOCA BEGAN SPREADING AND COMPACTING COVER SOIL ON NORTH SLOPE. STARTED AT WEST END AND WORKED EASTERLY (GRIDS F-M, 2-3):
  - 262 LOADS (~3,150 CY)
  - ~ 40,000 SF
- TENNOCA CONTINUED SPREADING ORCHARD SOIL (CROWN – GRIDS K-M, 4-6):
  - 275 LOADS = 4,326 TONS (~ 2,900 CY)
- TENNOCA OPERATED WATER TRUCK EACH DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE ~ 52 HOURS.

** TENNOCA AND ER WORKED SATURDAY – SCREENING COVER SOIL, PLACING COVER SOIL AND HAULING ORCHARD SOIL.

QUALITY ASSURANCE:

- COLLECTED: 3 STONE SAMPLES (4,5,+6) FOR GS; 2 IN-PLACE COVER SOIL SAMPLES (IPCS-3+4) FOR GS; AND, 1 ORCHARD SOIL SAMPLE (BSOS-31) FOR PROCTOR AND GS.
- CONDUCTED 14 IN-PLAVE MOISTURE/DENSITY TESTS – COMPACTION > 90% MAXIMUM WITH MOISTURE CONTENTS BETWEEN 0 AND 4 PERCENT ABOVE OPTIMUM.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E. TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 24 SEPTEMBER 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	3 - 8	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT
HIGH COUNTRY HYDROSEEDING		5	JIM LEQUIRE

VISITORS

Date	Name	Representing	Remarks
9/20/11	JIM GIAUQUE, LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
9/20/11	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING
9/22/11	ANDREA KELLER	NCDENR	

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 2-3 DOZERS, 2 EXCAVATORS, 3 OFF ROAD DUMP, 1 WATER TRUCK, 1 SOIL SCREEN
OWEN = 7 HIRED TRUCKS ON MONDAY ONLY
ER = 4 TRUCKS ON MONDAY ONLY
HIGH COUNTRY = 1 HYDROSEEDER, 1 MULCHER WITH ONE TON PICKUP, 1 HAY TRUCK. THURSDAY ONLY.

CONSTRUCTION ACTIVITIES

- TENNOCA FINISHED SPREADING AND COMPACTING COVER SOIL ON NORTH SLOPE IN AREAS READY. COMPLETED GRIDS M-W, 2-3 TO ABOUT 25-FEET FROM AREA A-EAST. STONE EXPOSED TO ALLOW RUNOFF FROM ORCHARD SOIL:
  - 288 LOADS (~3,400 CY), ~ 50,000 SF
  - TOTAL TO DATE ON NORTH SLOPE ~ 90,000 SF
- TENNOCA SPREAD AND COMPACTED COVER SOIL ON WEST SLOPEIN AREAS READY. STARTED AT NORTH AND WORKED SOUTHERLY (GRIDS B-D, 6-9):
  - 180 LOADS (~2,160 CY), ~ 20,000 SF
- ER DELIVERED ORCHARD SOIL ON MONDAY. TENNOCA SPREAD ORCHARD SOIL (GRIDS J-L, 6-8):
  - 70 LOADS = 1,100 TONS (~ 700 CY)
- HIGH COUNTRY SEEDED, MULCHED AND SPRAYED TACK ON SOUTH SLOPE. CREW ARRIVED AFTER LUNCH AND WORKED UNTIL 7 PM THURSDAY. DID NOT INSTALL EROSION CONTROL MAT. ROLLS OF ECM ON-SITE.
- TENNOCA EXCAVATED AND GRADING WASTE AT SOUTHEAST CORNER – REMOVING ENTRANCE ROAD INTO CELL.
- TENNOCA CONTINUED REGRADING ORCHARD SOIL PREVIOUSLY PLACED.
- TENNOCA OPERATED WATER TRUCK EACH DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE. 6 DAYS ~ 51 HOURS.

QUALITY ASSURANCE:

- COLLECTED: 3 VEGETATIVE SOIL SAMPLES FOR AGRONOMIC TESTING.
- CONDUCTED 21 IN-PLAVE MOISTURE/DENSITY TESTS – COMPACTION > 90% MAXIMUM WITH MOISTURE CONTENTS BETWEEN 0 AND 4 PERCENT ABOVE OPTIMUM. CHECKED COVER SOIL DEPTHS AT 28 LOCATIONS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E. TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 01 OCTOBER 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	3 - 8	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT
HIGH COUNTRY HYDROSEEDING		4	JIM LEQUIRE

VISITORS

Date	Name	Representing	Remarks
9/29/11	LUKE WILLIAMS	EVERGREEN	WEEKLY MEETING
9/29/11	BRAD GOODSON	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 3 DOZERS, 2 EXCAVATORS, 3 OFF ROAD DUMP, 1 WATER TRUCK, 1 SOIL SCREEN
OWEN = 7 HIRED TRUCKS
ER = 4 TRUCKS
HIGH COUNTRY = 1 HYDROSEEDER, 1 MULCHER WITH ONE TON PICKUP, 1 HAY TRUCK. THURSDAY ONLY.

CONSTRUCTION ACTIVITIES

- TENNOCA SPREAD 12-INCH LAYER OF #67 DRAINAGE STONE AT SOUTHWEST SLOPE:
  - 65 LOADS = 1,237 TONS
- TENNOCA STRUCTURE CREW ON SITE. WORKING ON STORM DRAIN PIPE AND HEADWALLS. COMPLETED PIPE INSTALLATION AND CONCRETE HEADWALLS WITH APRON AT MANHOLES #3, #4, #5 AND #6.
- TENNOCA SPREAD AND COMPACTED COVER SOIL:
  - 782 LOADS, ~ 9,400 CY
  - SOUTHWEST CORNER – 30,000 SF
  - CROWN – 79,000 SF
- ER FINISHED DELIVERY OF ORCHARD SOIL. TENNOCA SPREAD ORCHARD SOIL (GRIDS D-G, 4-8):
  - 275 LOADS = 3,400 TONS (~ 2,250 CY)
- HIGH COUNTRY SEEDED, MULCHED AND SPRAYED TACK ON NORTH AND WEST SLOPES. INSTALLED EROSION CONTROL MATTING IN DITCHES ON NORTH, SOUTH AND WEST SIDES:
  - SOUTH SLOPE = SC-250, 550' LONG BY 12' WIDE
  - NORTH SLOPE = SC-250, 700' LONG BY 12' WIDE
  - WEST SLOPE = S-75, 200' LONG BY 8' WIDE
- TENNOCA CONTINUED REGRADING ORCHARD SOIL PREVIOUSLY PLACED.
- TENNOCA OPERATED WATER TRUCK EACH DAY FOR DUST CONTROL. EVERGREEN TRUCK WASHED ROADS.
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE. 5-1/2 DAYS ~ 93 HOURS.

QUALITY ASSURANCE:

- CONDUCTED 40 IN-PLACE MOISTURE/DENSITY TESTS – COMPACTION > 90% MAXIMUM WITH MOISTURE CONTENTS BETWEEN 0 AND 4 PERCENT ABOVE OPTIMUM. CHECKED COVER SOIL DEPTHS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: ROBERT B. CURTIS P.E. TITLE: PROJECT ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 08 OCTOBER 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	8 - 9	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT
HIGH COUNTRY HYDROSEEDING		5	JIM LEQUIRE, ALLEN STEWART

VISITORS

Date	Name	Representing	Remarks
10/4/11	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
10/4/11	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 2-3 DOZERS, 2-3 EXCAVATORS, 3 OFF ROAD DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 ROLLER
HIGH COUNTRY = 1 HYDROSEEDER, 2 MULCHERS WITH HAY TRUCK.

CONSTRUCTION ACTIVITIES

- TENNOCA SPREAD AND COMPACTED COVER SOIL:
  - 858 LOADS, ~ 12,900 CY
  - CROWN – 210,000 SF
- HIGH COUNTRY SEEDED, MULCHED AND SPRAYED TACK ON CROWN AND ON THE SOUTH AND WEST SLOPES. INSTALLED EROSION CONTROL MATTING IN DITCHES ON SOUTH AND WEST SIDES:
  - SOUTH SLOPE = SC-250, 110' LONG BY 12' WIDE
  - WEST SLOPE = S-75, 400' LONG BY 8' WIDE
- HIGH COUNTRY REPAIRED EROSION CONTROL MATTING IN DITCHES NEAR STORMWATER PIPE INLETS.
- TENNOCA INSTALLED STONE CHECK DAMS IN NORTH AND SOUTH DITCHES.
- TENNOCA SHAPED BERMS AROUND STORMWATER PIPE INLETS.
- TENNOCA CONTINUED REGRADING ORCHARD SOIL PREVIOUSLY PLACED.
- TENNOCA OPERATED WATER TRUCK EACH DAY FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE. ~ 110 HOURS.

QUALITY ASSURANCE:

- CONDUCTED 20 IN-PLACE MOISTURE/DENSITY TESTS – COMPACTION > 90% MAXIMUM WITH MOISTURE CONTENTS BETWEEN 0 AND 4 PERCENT ABOVE OPTIMUM. CHECKED COVER SOIL DEPTHS.

DISTRIBUTION:
1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 15 OCTOBER 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	7 - 8	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT

VISITORS

Date	Name	Representing	Remarks
10/11/11	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
10/11/11	PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 1-2 DOZERS, 2 EXCAVATORS, 3 OFF ROAD DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 ROLLER

CONSTRUCTION ACTIVITIES

- TENNOCA SPREAD AND COMPACTED COVER SOIL:
  - 446 LOADS, ~ 6,600 CY
  - CROWN – 398,000 SF
- TENNOCA OPERATED WATER TRUCK EACH DAY FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE. ~ 38 HOURS.
- TENNOCA BEGAN SPREADING SOIL ON CELL 6C UPPER:
  - 297 LOADS (~ 4,400 CY)

*TWO REAR DUMPS INVOLVED IN ACCIDENT AT APPROXIMATELY 13:30 ON WEDNESDAY 10-12. ONE TRUCK BACKED THE DUMP BODY INTO THE RIGHT FRONT GRILL/HOOD AREA OF THE OTHER. THERE WERE NO INJURIES, ONLY COSMETIC DAMAGE TO FRONT OF ONE REAR DUMP.

QUALITY ASSURANCE:

- CONDUCTED 5 IN-PLACE MOISTURE/DENSITY TESTS – COMPACTION > 90% MAXIMUM WITH MOISTURE CONTENTS BETWEEN 0 AND 4 PERCENT ABOVE OPTIMUM. CHECKED COVER SOIL DEPTHS.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
WEEK ENDING: 22 OCTOBER 2011
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	3 - 9	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT
HIGH COUNTRY	0	5	JIM LEQUIRE, ALLEN STEWART

VISITORS

Date	Name	Representing	Remarks
10/18/11	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	WEEKLY MEETING
10/18/11	BRAD GOODSON, PHILIP PLEMMONS	TENNOCA	WEEKLY MEETING

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 1-2 DOZERS, 2-3 EXCAVATORS, 2-3 OFF ROAD DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 ROLLER

CONSTRUCTION ACTIVITIES

- TENNOCA SPREAD AND COMPACTED COVER SOIL:
  - 344 LOADS, ~ 4,100 CY
  - NORTH SLOPE – 26,400 SF
  - SOUTH SLOPE – 14,000 SF
  - WEST SLOPE – 10,000 SF
- TENNOCA OPERATED WATER TRUCK FOR DUST CONTROL.
- TENNOCA CONTINUED SCREENING COVER SOIL STOCKPILE. ~ 36 HOURS.
- TENNOCA STRUCTURE CREW ON SITE. WORKING ON STORM DRAIN PIPE AND HEADWALLS :
  - MH#2 = INSTALLED 24"Ø HDPE PIPE, FRAMED AND POURED CONCRETE HEADWALL AND APRON.
  - MH#7 = INSTALLED 24"Ø HDPE PIPE, FRAMED AND POURED CONCRETE HEADWALL AND APRON, AND MORTARED INLET.
- TENNOCA REPAIRED COVER SOIL EROSION ON SOUTH SLOPE.
- TENNOCA HAULED WASTE FROM NORTHWEST CORNER TO CELL 6D SOUTH
- TENNOCA CONTINUED SPREADING #67 STONE:
  - 33 LOADS = 596 TONS
- HIGH COUNTRY SEEDED, SPREAD MULCH AND TACKED CROWN (~ 220,000 SF)
- HIGH COUNTRY INSTALLED SC-250 ECM IN NORTH DITCH (~50') AND SOUTH DITCH (~50')

QUALITY ASSURANCE:

- CONDUCTED 3 IN-PLACE MOISTURE/DENSITY TESTS – COMPACTION > 90% MAXIMUM WITH MOISTURE CONTENTS BETWEEN 0 AND 4 PERCENT ABOVE OPTIMUM. CHECKED COVER SOIL DEPTHS.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

SEVEE & MAHER ENGINEERS, INC.

WEEKLY CONSTRUCTION REPORT

PROJECT: LANDFILL NO 6, AREA A-WEST CLOSURE
JOB NO.: 11106.00
CLIENT: EVERGREEN PACKAGING
CONTRACTOR: TENNOCA CONSTRUCTION CO.
PROJECT MANAGER: GUY COTE

WEEK ENDING: 29 OCTOBER 2011

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
TENNOCA CONSTRUCTION (TENNOCA)	1	5 – 12	RICK BALDWIN – FOREMAN, PHILIP PLEMMONS – SUPERINTENDENT
HIGH COUNTRY	0	5	JIM LEQUIRE, ALLEN STEWART

VISITORS

Date	Name	Representing	Remarks
	LUKE WILLIAMS, JIM GIAUQUE	EVERGREEN	
	PHILIP PLEMMONS	TENNOCA	

TYPICAL EQUIPMENT ON-SITE

TENNOCA = 1-2 DOZERS, 2-3 EXCAVATORS, 2-3 OFF ROAD DUMPS, 1 WATER TRUCK, 1 SOIL SCREEN, 1 ROLLER
HIGH COUNTRY = 1 HYDROSEEDER, 1 MULCHER WITH HAY TRUCK
VULCAN = 2 HIRED TRUCKS

CONSTRUCTION ACTIVITIES

- TENNOCA SPREAD AND COMPACTED COVER SOIL ON NORTHWEST CORNER:
  - 85 LOADS, ~ 1,000 CY
- TENNOCA OPERATED WATER TRUCK FOR DUST CONTROL.
- TENNOCA STRUCTURE CREW ON SITE. WORKING ON STORM DRAIN PIPE AND HEADWALLS :
  - MH#2 = MORTARED INLET, REINSTALLED STEPS
  - MH#3 = MORTARED INLET, REINSTALLED STEPS
  - MH#7 = REINSTALLED STEPS
- TENNOCA HAULED WASTE FROM NORTHWEST CORNER TO CELL 6D SOUTH
- TENNOCA CONTINUED SPREADING #67 STONE:
  - 8 LOADS = 164 TONS
- TENNOCA REGRADED DITCH NEAR MH#2 AND MH#7.
- TENNOCA GRADED NORTH AND WEST DITCHES.
- TENNOCA GRADED GRAVEL PILES ON THE EAST END OF 6A-WEST, NEAR THE NORTH AND SOUTH PAVED ACCESS ROADS
- TENNOCA INSTALLED SEVEN (7) EDGE OF WASTE SIGNS
- TENNOCA INSTALLED STONE CHECK DAMS.
- HIGH COUNTRY SEEDED, SPREAD MULCH AND TACKED CROWN (~ 220,000 SF)
- HIGH COUNTRY INSTALLED SC-250 ECM IN NORTH DITCH (~50') AND SOUTH DITCH (~50')

QUALITY ASSURANCE:

- CHECKED COVER SOIL DEPTHS.

DISTRIBUTION:

1. Project Manager
2. File
3. Client

BY: TYLER PEASE E.I. TITLE: ENVIRONMENTAL ENGINEER

WEEKLY MEETING MINUTES

SME
Sevee & Maher Engineers, Inc.

ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

11105.00

EVERGREEN PACKAGING
LANDFILL NO. 6
AREA A-WEST CLOSURE

ADDENDUM NO. 1

JUNE 2, 2011

List of Attendees

Jim Giauque, Evergreen
Luke Williams, Evergreen
Guy Cote, SME
Bob Curtis, SME
Julie Miller, Taylor & Murphy Construction
Brad Goodson, Tennoca Construction
Justin Porter, Sargent Corp.
Robert Dukes, Shamrock Environmental

On June 1, 2011, a pre-bid conference was conducted at Evergreen Packaging's (Evergreen) conference room and Landfill No. 6 site in Canton, North Carolina. The following items were discussed:

- There are two closure scenarios for Area A-West, standard and amendment. Contractors shall provide bids for both options. The area to be closed is the same for both options, which is approximately 15 acres.
- Bids will be received at the Purchasing Department until 4:00 P.M. on June 8, 2011. Bids should be addressed to Gail Norris. E-mail or fax bids are acceptable. Ms. Norris' e-mail address is Gail.Norris@everpack.com and fax number is (828) 646-2909.
- The bids shall be submitted on the form included in the Contract Documents. Bids shall be lump sum and also include unit cost for line items for changes in scope as necessary.
- The bids shall include a line item for performance bond.
- The contractor must provide a construction schedule with the bid outlining their work schedule and completion time.

4 Blanchard Road, PO Box 85A, Cumberland Center, Maine 04021 • Phone 207.829.5016 • Fax 207.829.5692 • www.smemaine.com

- Contractors shall provide a list of subcontractors with contact personnel with the bid. This list should include, but not be limited to, soil test laboratory and surveyor.

- The contract award notification will be made by the end of the work day on June 10, 2011. The selected contractor can mobilize to the site after that date.

- The North Carolina DENR has approved both options of closure. Evergreen will make a decision regarding the closure prior to June 10, 2011.

- The contractor will not be required to complete the web-based contractor orientation listed in the specifications. The contractor will be required to complete a safety questionnaire (attached) when the bid is awarded.

- The landfill will continue to operate during construction. The contractor must coordinate with Evergreen personnel regarding construction vehicle traffic.

- The contractor shall maintain access roads including dust control during construction. Calcium chloride is not permitted at the landfill for dust control. Water may be pumped from the Bowen Branch at the southeast corner of the landfill.

- Any fuel/oil spills must be reported to the Environmental Department. The use of storage tanks for fuel or oil shall include a containment liner and berm. Contractor shall provide Evergreen with MSDS sheets for all chemicals used on-site.

- The current landfill operating hours are 6:00 A.M. to 6:00 P.M., seven days per week. Evergreen will coordinate with the contractor if changes to the operating hours are necessary.

- Erosion control measures must be in-place prior to construction. The location of the silt fence, check dams, etc. are shown on the contract drawings.

- Standard Closure consists of:
  - Grading of waste by owner;
  - Installing 12-inch stone layer. Material supplied by owner, delivered to site by Vulcan and placed by contractor. Vulcan delivers Monday through Friday. Stone may be stockpiled on-site to reduce the chance for delays;

- Installing 36 inches of cover soil from on-site borrow stockpile. The contractor shall mechanically screen soil to 6-inch minus, haul and spread over cell. Two lifts are preferred and will meet a minimum compaction of 90% standard proctor;
- Installing 4-inch vegetative layer. Same soil as cover, but loosely placed to allow grass growth;
- Installing storm drain pipes, connecting into existing catch basins;
- Fertilizing, seeding and mulching cover and disturbed areas;
- Installing diversion berms along cover as shown on plans to direct surface water runoff to storm drain pipes;
- Installing erosion control measures as shown on plans; and,
- Installing edge of waste (EOW) signs provided by Evergreen.

- Amendment Closure consists of:
  - Grading of waste by owner;
  - Installing 12-inch stone layer. Material supplied by owner, delivered to site by Vulcan and placed by contractor. Vulcan delivers Monday through Friday. Stone may be stockpiled on-site to reduce the chance for delays;
  - Placing and compacting orchard soil (up to 27 feet). The soil will be placed at a maximum lift thickness of 4 feet, and shall meet a minimum compaction of 90% standard proctor. The orchard soil will be delivered to site by outside contractor at a rate of approximately 120 trucks per day. Delivery from Monday to Saturday;
  - Installing 6-inch stone layer on sideslopes. Stone to be provided by Evergreen and delivered by Vulcan;
  - Installing 12 inches of cover soil from on-site borrow stockpile. The contractor shall mechanically screen soil to 6-inch minus, haul and spread over cell. Two lifts are preferred and will meet a minimum compaction of 90% standard proctor;
  - Installing 4-inch vegetative layer. Same soil as cover, but loosely placed to allow grass growth;
  - Installing storm drain pipes, connecting into existing catch basins;
  - Fertilizing, seeding and mulching cover and disturbed areas;
  - Installing erosion control measures as shown on plans; and,
  - Installing edge of waste (EOW) signs provided by Evergreen.

- The contractor will be responsible for surveying pipe inlets. They will not be required to survey the stone or cover soil layers as directed in the work plan. The plans show existing control points on the site.

- Stormwater runoff from the waste and orchard soil must be collected by the leachate collection system at the southeast and southwest corners of Area A-West. The construction sequence shall be planned to close these areas last.

- The contractor shall complete quality control testing as outlined in Section 02200 of the construction specifications. Quality Assurance testing will be completed by Sevee & Maher Engineers, Inc. (SME).

- There is no smoking on the landfill. Designated smoking areas will be determined prior to construction.

- The deadline for questions is Tuesday, June 7, 2011 at noon.

If you have any questions regarding this Addendum or the Contract Drawings, please contact Guy Cote at SME. Mr. Cote's e-mail address is guy@smemaine.com and his phone number is (207)829-5016.

CONTRACT DOCUMENTS AND CONSTRUCTION SPECIFICATIONS FOR LANDFILL NO. 6 AREA A-WEST CLOSURE AMENDMENT CANTON, NORTH CAROLINA EVERGREEN PACKAGING

SAFETY AND CONDUCT REQUIREMENTS

evergreen™ packaging

2011 CONTRACTOR SAFETY QUALIFICATION DOCUMENTATION

Company Name: **Company Address:**	**Your Evergreen Contact:**
Your Name: **Title:** **Telephone:** **Fax:** **Email:**	

Desired qualifications for CONTRACTORS AND THEIR SUBCONTRACTORS are as follows:

1. Workers' Compensation Experience Modification Rate (EMR) of 1.0 or less for Contractors' current insurance.
2. Documented Occupational Incidence Rate (OIR) of 4.0 or less
3. Documented Lost Time Incidence Rate (LTIR) of 1.0 or less
   NOTE: Completed and signed copies of your OSHA 300A forms for the last three years are required to be submitted with the questionnaire. Rates in excess of the desired rates may cause a contractor or subcontractor to be placed in the provisional or rejected category. For contractors and subcontractors who are NOT required to file OSHA 300A forms or have 10 or fewer employees at all times during the calendar year, a review of their workers' compensation frequency and severity records for the last three years will be required to meet the statistical evaluation.

SECTION 1 Contractor's Safety Performance Data

OSHA 300 Safety Information	2008	2009	2010
OSHA Recordable Incident Rate			
Days Away, Restricted or Transferred (DART) Incident Rate			
Number of Recordable Injury Cases			
Number of Lost Time Incidents/Illnesses			
Days Away From Work			
Number of Fatalities			
Total Employee Hours Worked			

Where is the OSHA 300 log maintained?
Who maintains the OSHA 300 log (name, title)?

List corporate worker's compensation Experience Modification Rate for the most recent 3 years and include documentation.

EXPERIENCE MODIFICATION RATE (EMR)	2008	2009	2010

SECTION 2 Contractor's Safety Program Documentation

1. Does contractor have a written Safety and Health program/manual? (Attach Table of Contents) YES ☐ NO ☐
2. Does contractor conduct regular safety meetings with his crew(s)? YES ☐ NO ☐
3. Does contractor conduct safety inspections of the work site to ensure compliance? YES ☐ NO ☐
4. Does contractor have documentation of employee safety and health training? YES ☐ NO ☐
   (See training documentation form at end of Qualifications Questionnaire)
5. Does Contractor have a Substance Abuse policy, which includes random testing? YES ☐ NO ☐
6. Does Contractor agree to the requirements stated in the Canton Mill Contractor Safety Handbook concerning random drug testing? YES ☐ NO ☐
7. Will contractor employees be entering Permit Required Confined Spaces? YES ☐ NO ☐
   NOTE: Contractor is responsible for the atmospheric testing and documentation on there permit for the confined spaces he is working in. (see Contractor Safety Handbook – Confined Space Entry Procedure; attach a copy of your Confined Space Entry Policy and permit)
8. Have all MSDSs for any hazardous material brought on site been submitted to Canton Mill EHS with ID, Location & Duration On Site? YES ☐ NO ☐
   (Enclose MSDS For Hazardous Materials used on site if not previously submitted)
9. Have you evaluated the hazards in the area of your work and protective measures been discussed with your Canton Mill representative? YES ☐ NO ☐
   (Attach a list of hazards discussed)
10. Will work be done in or adjacent to a process covered under Process Safety Management; Chlorine at Chlorine Injection building near the river Pump house, Chlorine at the Waste-Water Treatment Plant, Chlorine dioxide at the Fiberline or ERCO generator, Methanol at ERCO generator, Turpentine in Recovery? YES ☐ NO ☐
    If yes, where:
    - ☐ Chlorine- at Chlorine Injection building.
    - ☐ Chlorine- at the Waste Water Treatment Plant.
    - ☐ Chlorine dioxide- at the Fiberline or ERCO generator.
    - ☐ Methanol- at ERCO generator.
    - ☐ Turpentine – pulp mill or recovery
11. Have contractor employees received Process Safety Management training for work performed in the areas listed above? YES ☐ NO ☐
    Attach documentation of PSM training received by your employees.
12. If the work you are to perform will create any unique hazards, list a description of the hazards and protective measures:

I hereby certify that the information furnished in this document is accurate and truthful to the best of my knowledge.

_____

Signature and Title of Responsible Person for the Contractor Crew Onsite
Date

SECTION 3 CANTON MILL CONTRACTOR ORIENTATION

For 2011, all contractor employees must complete their Canton Mill Contractor Safety Orientation via a computer based safety orientation program. The cost to the contractor for each of his employees is $20.00. Refer to information in the attached letter. There are no provisions for contractors to take this orientation at the Mill.

SECTION 4 EMERGENCY ACTION PLAN

Contractors are required to have a written emergency action plan specific to the job/location of the work. Once the Emergency Action Plan is completed, all of your employees must be trained as to their responsibility in the event of an emergency. Please use the instructions included in the Contractor Safety Handbook and this Qualifications Questionnaire when writing your Emergency Action Plan.

NOTE: Emergency Actions Plans are subject to audit by Canton Mill Safety personnel.

Emergency Action Plan- Instructions
Contractors must have an established plan, which addresses fundamental emergencies, such as:

1. Internal reporting of fires, injuries, etc.
2. Severe weather warnings
3. Treating and transporting ill or injured employees
4. Local emergency phone numbers
5. Evacuation response and process

The contractor's responsibility around the Emergency Action Plan includes the following:

1. Training of employees in understanding Canton Mill's various alarms.
2. Identifying an Evacuation Leader and ensure training in his/her responsibilities, as outlined in the Contractor Safety Handbook.
3. Ensure training and understanding of employees as to established evacuation routes and assembly points for the area of the job(s).

Canton Mill provides information on mill specific alarms through the Canton Mill Contractor Safety Orientation program, Contractor Safety Handbook and pre-job analysis.
Established evacuation routes and muster points are identified on posted area maps. Additional information can be obtained through the Canton Mill area supervision or mill representative.
In the event of an evacuation, the Emergency Incident Commander will determine the proper muster point, which will be communicated to contractors working in areas as follows:

LOWER END of MILL - Through the alphanumeric pagers issued at the West Gate security.
FRONT END of MILL - Verbally through Canton Mill area supervision and personnel.
WAYNESVILLE - Verbally through area supervision and personnel.

CONTRACTOR SAFETY TRAINING DOCUMENTATION

Initial each line to indicate which training you have provided to your employees

Contractor Company: Date:

Canton Mill Representative:

ITEM	**TRAINING Documented** (Please Initial)
Medical or Fire Emergency	_____
Medical Facilities	_____
Fire Protection	_____
Physical and Chemical Hazards	_____
Process Safety Management	_____
Asbestos and Lead Procedure	_____
Apparel Requirement	_____
Personal Protective Equipment	_____
Fall Protection (Personal Fall Arrest)	_____
Respiratory Protection	_____
Isolating Hazards	_____
Lockout Procedure	_____
Hot Work	_____
Confined Spaces Entry	_____
Line Breaking	_____
Accident Reporting	_____
Substance Abuse Program	_____
Smoking Policy	_____
Tools and Equipment; Cranes and Rigging	_____
Derailer/Blue Flag	_____
Oxygen and Acetylene Safety	_____
Scaffold Safety	_____
Trenching and Shoring	_____
Cranes	_____

This document verifies that the above topics have been thoroughly trained to all contract employees. Any deviations from applicable mill, state or federal regulations, while performing work at Canton Mill are unacceptable.

Contractor Representative Signature: _____

REVISED 11/8/10

CONTRACTOR SAFETY & HEALTH COMPLIANCE PROCESS

We expect that contractors, their employees and their subcontractors and employees will abide by all Federal state and local requirements that govern safety and health. During any contractor's work at our locations, we expect 100% compliance with all safety and health rules. Audits of the contractors (and subcontractors) work, procedures, processes and documentation can occur at ANY TIME. Those employees that may audit a contractor's activity for safety and health compliance include the contractor's Mill / plant representative, any engineer or maintenance employee involved with the contractor's job, any member of the Safety & Health group, any Department Safety Representative, and any member of management in the area in which the contractor is working. These individuals inform the contractor of the issue at the time and place of the infraction and report it to the manager of the area. The manager of the area where the work is being done informs Accounting of the penalty amount to be assessed.

Should any violations of safety and health procedure or polices be found by these auditors, a compliance penalty will be assessed, according the schedule listed below. The penalty will be deducted from the invoice the contractor submits for the month or job.

Compliance Penalty List (per occurrence)

$100 Penalty

- Failure of any employee to complete the web based orientation before coming on site

$200 Penalty

- Failure to wear PPE (penalty per individual observed)
- Failure to inspect and document inspection of fork trucks
- Failure to remove damaged extension cords from service
- Failure to have appropriate OSHA hazard communication label on chemical containers
- Failure to report an accident or incident (not to include true near misses/ near hits)
- Failure to have an MSDS for any chemical brought on site

$250 Penalty

- Failure to maintain good housekeeping at the job site and at contractor's trailer/ break areas
- Failure to follow traffic rules (speed limit, yield for pedestrians, blocking emergency equipment or access)
- Failure to barricade a hazard
- Failure to use Ground Fault Circuit Interrupters on extension cords
- Failure to inspect and document inspection of cranes, slings, wire ropes
- Failure to secure compressed gas cylinders upright

$500 Penalty

- Failure to use fall protection (roof edge barrier/ monitor, fall arrest lanyard/ harness, guarding)
- Failure to follow the smoking policy
- Failure to rig and lift properly
- Failure to confirm presence of lead or asbestos before disturbing it
- Failure to use a metal safety can for storing flammable liquids
- Failure to provide and/ or document employee training
- Failure to report spill or release
- Failure to use or replace guarding on equipment
- Failure to properly complete any of the following permits:
    - Hot work
    - Confined space entry
    - Line breaking
    - Scaffold tag
- Failure to use appropriate ladder
- Failure to use grounding pin on electrical plugs
- Failure to train employees working on PSM covered processes in the hazards of the process
- Failure to supply fire watch for time specified on hot work permit
- Failure to have own gas testing/ monitoring equipment for confined space work

$1000 Penalty

- Failure to report a PSM incident
- Failure to remove materials brought onsite and not used (waste disposal)

$2000 Penalty

- Failure to use/ follow any portion of the lock out tag out process
- Failure to remove employee(s) under the influence of alcohol or other controlled substance
- Failure to use / follow the confined space entry process/ program

I have read and acknowledge the Contractor Safety & Health Compliance Process:

Name:_____

Date:_____

Contractor Qualifications CHECKLIST

Before returning the Contractor Qualifications Questionnaire, please be sure you have included the following information:

HAVE YOU-

- ☐ Completed the Qualifications Questionnaire in it entirety?
- ☐ Included copies of your signed OSHA 300A forms for the last 3 years?
- ☐ Included documentation of your Worker's Compensation Experience Modification Rate for last 3 years?
- ☐ Included a copy of the Table of Contents from your Health and Safety Program?
- ☐ (Contractors entering Confined Spaces) Included a copy of you Confined Space Entry Program **and Permit**?
- ☐ (Contractors working in PSM covered processes) Included documentation of employee's Process Safety Management training?
- ☐ Have you written your Emergency Action Plan for the area of the Canton Mill you will be working? (Employees must be trained and familiar with the plan)
- ☐ Signed all documents requiring signatures? (by appropriate contractor personnel)
- ☐ Contractors providing crane services--- Included:

  1- Last annual inspection records
  2- Post assembly inspection records
  3- Last drug screening of operators
  4- A copy of the daily crane inspection form to be utilized while on site

- ☐ Reviewed and understand the Contractor Safety & Health Penalty System and attached a signed copy?

DO YOU-

- ☐ (Contractors entering Confined Spaces) Have the equipment to test the atmosphere of confined spaces you may be required to enter? Have your own permit?

MISCLEANEOUS REMINDERS

1. Trailer locations must be pre-approved through your Canton Mill representative. (If applicable)
2. Vehicle passes must be approved through your Canton Mill representative.
3. Vehicles must be identified with your company name or logo.
4. Complete your Emergency Action Plan and provide training on it for your employees.
5. Turn in your list of chemicals and MSDS to Canton Mill – EHS for chemical review
6. Any sub-contractors hired by the principle contractor must complete the Contractor Qualifications Questionnaire and complete contractor on-line orientation.
7. Contractors entering confined spaces must have their own gas-testing equipment and their own confined space entry permits. (See Canton Mill- Contractor Safety Handbook)
8. Return the completed Qualifications Questionnaire by email to: contractorsafety@everpack.com

Date: Mon, 27 Jun 2011 12:56:21 +0000 [08:56:21 AM EDT]
From: Luke Williams <Luke.Williams@everpack.com>
To: Robert Curtis <bob.curtis@smemaine.com>
Cc: Guy Cote (guy@smemaine.com) <guy@smemaine.com>
Subject: FW: Notes and Other Info - Logistics Meeting for B Orchard Soil 6-24-2011

FYI

From: Paul Dickens
Sent: Friday, June 24, 2011 15:55
To: Bruce Wyre; Matthew Claypool; Jim Giauque; Luke Williams; Guy Cote (Sevee & Maher) (guy@smemaine.com)
Cc: Dane Griswold
Subject: Notes and Other Info - Logistics Meeting for B Orchard Soil 6-24-2011

24 June

Evergreen representatives including Bruce Wyre met with representatives of J Owen Trucking, Tennoca, Environmental Restoration (ER) and the EPA today (6/24) at the Canton Mill EOHS offices to plan off-site soil delivery logistics for Barber's Orchard Soil. Afterwards I took Jon Bornholm, EPA Project manger on a tour of the landfill and drove him back to B Orchard site. J Owen trucking won the ER haul bid and will be working under contract with ER to haul soil from B Orchard to the Evergreen landfill site.

Bob Curtis, resident engineer for SME, will do detailed notes for the logistics meeting including attendees.

Logistics Meeting Key Points -

The status of mobilization for closure of Cell 6A West was briefly discussed. Tennoca mobilized on Wednesday 6/22 and started spreading gravel on Thursday 6/23. Site will be ready for limited off-site loads (20 to 30) on Monday 6/27 and ramp up to full delivery acceptance capacity (100 plus) on Wed 6/29.

Off-site soil logistics:

- SME / Evergreen will build and maintain a spreadsheet to track off-site soil deliveries, volume and weight
- ER will load trucks from stock piles at B Orchard site and may directly haul some soil from work areas on the B Orchard site. ER will use mix of both their trucks and J Owen trucks.
- Hauling will be 7 days per week, 10 hours per day, daylight hours. On Sundays, ER will load soil from their lower stockpile and replenish that stockpile during the week.
- Each truck load will have a sequentially numbered 4-page carbon bill of laden based on an example load ticket provided by J Owens. Jim and Gail are having a supply of the bill of laden forms printed

- Each truck ER or J Owen will have a unique ID number and will have haul capacity and tare weight recorded in off-site soil tracking spreadsheet

- Each truck will have one load weighed each day, preferable in morning to get idea of how soil weights are running

- SME / Tennoca will designate additional random trucks to be weighed on next trip and will track trucks to verify at least one load is weighed each day

- Goal is to weigh at least 10 percent of loads (target of 13 to 18 percent including random loads)

- Tennoca will provide a spotter for the off-site soil trucks. The spotter will collect a copy of the bill of laden ticket. ER will retain a copy when loading, and J Owen trucking will retain a copy after delivery.

- Trucks that are weighed will have the weight ticket attached to the bill of laden. The gross weight will also be written on the bill of laden.

- SME / Evergreen will provide copies of weigh tickets for trucks that were weighed to J Owen and ER

- Scales for weighing will be the Haywood County Clyde MRF and/or the West Gate.

- Evergreen will invoice ER weekly for the weight of soil delivered.

- ER will continue to provide Evergreen with copies of analytical data characterizing the B Orchard soil removed per the EPA-approved project plan.

- Evergreen will take independent samples of the delivered B Orchard soil to confirm the ER / EPA characterization.

Several safety items were discussed including landfill traffic pattern and road conditions from Ingles to the landfill entrance along Thickety and Incinerator Roads. Donald Messer and Paul have made arrangements with city and county law enforcement for traffic calming measures during the next two months of heavy truck track along this path (200 to 300 trucks per day – gravel, off-site soil and process waste).

-

Cap Maintenance – Productive Use of Additional Off-Site Soil

-

Jon Bornholm had not seen the landfill, so we took a tour after the logistics meeting. I used this as an opportunity to discuss Evergreen desire to use some B Orchard soil for maintenance of existing caps on closed landfill cells 6B and 6C. We looked at Cell 6C lower as an example. I explained the permit requirement for maintenance and the geotech work being done by SME to estimate the depth of maintenance cap soil to restore drainage. Jon indicated that the CERCLA Off-Site Determination can be modified to include use of B Orchard soil for cap maintenance work. He recommended getting the request in soon as it will take a while to run thru channels at EPA. Afterwards I discussed project timing with Bruce Wyre. We agreed that next week based on the SME's preliminary engineering results received today (6/24), we need to request modification to the CERCLA Off-Site Determination to include use of B Orchard soil for structural fill portion of cap maintenance.

Other Info

While driving Jon back to the B Orchard site, I confirmed several details.

- The B Orchard soil removal from the hillside is ~ 50 percent complete. The current stockpiled soil represents about one-half of the expected total quantity.
- The work has to be finished in this Federal fiscal year. ER to wrap up and have all soil moved to our landfill by 30 Sep 2011.
- According to Jon, he and his EPA supervision have confirmed funds are sufficient to complete the planned B Orchard work and off-site disposal. He also described contingency funds that he maintains to cover his several current projects. Jon is not worried about budget. His driver is completing all work by 30 Sep, so schedule, weather and work progress are his priorities.

Price to Take Off-Site Soil

Bruce Wyre confirmed that commercial negotiations are done and provided a copy of the final draft contract with ER.

Follow-Ups

- Bruce Wyre and Corp Legal to wrap up the coordinated contracts with SME, Tennoca and ER to incorporate B Orchards soil in to the closure cap for Landfill 6.
- Jim Giauque to get price and early week of 6/27 to arrange a physical survey and volume estimate of the current soil stockpiles at B Orchard site. This is benchmark information so we have independent confirmation of the volume of soil ready to haul and an updated estimate of additional soil volume to expect. The updated volume information will be used to plan soil placement in the cover cap.
- Paul Dickens to prepare request to modify the CERCLA off-site soil determination for cap maintenance structural fill. Prepare internal support documentation as well. SME to prepare illustration sketches of the cap maintenance off-site soil placement and isolation. Target by 7/1.

Paul

Paul Dickens

Manager Environment, Health and Safety

Canton Mill - Waynesville Plant

Evergreen Packaging

175 Main Street, Canton, NC 28716

828-646-6141

paul.dickens@everpack.com

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EVERGREEN PACKAGING

LANDFILL 6A WEST CLOSURE PROJECT

SAFETY TALKING POINTS

- Abide by all traffic signs at landfill, including **One-Way** road signs.
- Keep to the right on landfill roads. Be aware that the landfill entrance road (concrete surface) is two-way.
- The entire route will be congested due to truck traffic. This includes state of NC roads.
- Mill-wide speed limit is 10 MPH.
- As a general rule, empty trucks should yield to the loaded trucks when necessary.
- If safe to do so, limit use of compression / Jake brakes on Incinerator Road due to noise.
- Back and dump only where and when instructed to do so by on-site owner's or contractor's representatives.
- Be alert to, and report any spills or tracking of material onto surfaces outside the dumping area to on-site supervisors.
- If dust becomes excessive (drifts off-site or clouds work area), report this to your supervisor or on-site contractor representatives immediately.
- Do not litter. Even though the site is a landfill, no trash or other refuse can be discarded. Do not throw cans, bottles, or other trash into bed of truck.
- Evergreen Packaging Emergency Phone Numbers (For use while on Blue Ridge property):
  1. Fire, Ambulance, Rescue: 828-646-2911
  2. Spill, Release, Vent: 828-646-6711

  Use 911 when not on Blue Ridge property.
- For those working outside of vehicles on Evergreen property, safety glasses, safety shoes, safety gloves, long pants, and shirts with sleeves, are required. Safety sunglasses are acceptable.

File:6AW safety

Traffic Pattern
@ 6/23/11

LEGEND

PERMITTED SOLID WASTE PROPERTY LINE

BLUE RIDGE PAPER PRODUCTS, INC.
CANTON, NORTH CAROLINA
LANDFILL NO. 6
PERMIT NO. 44–06
DEED BK 472, PAGE 1073
DATE FLOWN JUNE 18, 2010

SME
Sevee & Maher Engineers, Inc.
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

DWG: Aerial2010 LMN: 500SCALE CTB: AERIAL–11x17 REV: 7/16/10

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
PRECONSTRUCTION MEETING
6/20/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Jim Giauque – Evergreen Packaging
Bill VonVitzthume – Evergreen Packaging
Gail Norris – Evergreen Packaging
Brad Goodson – Tennoca Construction Co.
Philip Plemmons – Tennoca Construction Co.
Bob Curtis - Sevee & Maher Engineers, Inc. RBC

HEALTH & SAFETY:

- Evergreen requires personal safety gear including safety glasses and steel-toed boots. Tennoca requires those items, plus a safety vest. They will not require hard hats on-site, unless there is overhead work.
- Tennoca has submitted the required contractor safety information to Evergreen.
- All Tennoca employees and subcontractors should be aware of mill truck traffic at the landfill. There is one way traffic around Area A-West.
- Tennoca will hold weekly safety meetings. A copy of the safety meeting notes will be given to Evergreen weekly.
- Tennoca will keep a list of personnel on-site to be checked in the event of an emergency.

SCHEDULE:

- Weekly meetings will be held at 10:00 am on Tuesdays at the site.
- Tennoca will start this week. A dozer and excavator will begin fine grading around the landfill tomorrow or Wednesday.
- There are areas ready for stone. Stone placement will begin Thursday. Tennoca will coordinate with Vulcan regarding the schedule for stone delivery. Vulcan will deliver stone to the site. Tennoca will be ready to supplement trucking if needed. Vulcan has agreed to work Saturday mornings.
- The option for using off-site soil is still pending. Tennoca will be ready to start cover soil placement about one week following the start of stone placement.

SITE LOGISTICS:

- The hours of landfill operations are 6 am to 6 pm. Tennoca will install their own lock on the chain in order to provide access after 6 pm and weekends. Evergreen will provide SME with a key.
- The number for security is (828)646-2109. To report a spill, call (828)646-6711.
- Keep the site neat. Municipal waste is not accepted at the landfill. Tennoca will have trash cans on-site.
- Tennoca will provide portable toilets (porta-potties).

DISCUSSION:

- Some areas of waste will be soft. Paper machine felt and wire (mesh) is available to help bridge soft waste areas. It is located in piles at the Southern Maintenance lay down area.
- A section of the north slope needs to be regraded. The waste needs to be removed and replaced with a drier, stiffer material (i.e. stone, soil, lime). Tennoca will provide an estimate to complete this work.
- A cut and fill survey was completed last week comparing the existing grades to proposed waste grades. The sidelsopes are the most crucial. They should not be steeper than 3:1. If regrading of waste is needed, Evergreen landfill operators will be provided the option to complete the work. There is a time constraint for this work.
- The waste at the east end of the cell needs to be excavated for the cover tie-in at Area A-East. This does not need to occur until work is in this area.
- The water source for dust control is located southeast of the project area at Bowen Branch.
- Smoking is allowed at the landfill, except during line breaks. Cigarette butts should not be discarded on the ground.
- Tennoca will have a fuel truck deliver to the site. There will be no fuel stored on-site.
- Evergreen will have a topographic survey completed for the landfill to track in-place volumes of stone and cover soil.
- Railroad ballast (stone) may be placed at the landfill entrance to help remove mud from truck tires.

QA/QC TESTING/ SUBMITTALS:

- SME will be collected soil samples for QA/QC testing. Samples will be analyzed and Froeling and Robertson.
- SME will have nuclear density gauge on-site for compaction testing. The contractor is asked to use caution while driving near the gauge during testing.

ISSUES TO BE RESOLVED:

- The option for off-site soil needs to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
OFF-SITE SOIL MEETING
6/24/2011

ATTENDEES:

Jim Giauque – Evergreen Packaging
Bill VonVitzthume – Evergreen Packaging
Gail Norris – Evergreen Packaging
Paul Dickens – Evergreen Packaging
Bruce Wyre – Evergreen Packaging
John Bornholm – US Environmental Protection Agency
Will Smith – US Environmental Protection Agency
Gary Dupert – Environmental Restoration
Dave Mang – Environmental Restoration
Jerry Owens – J. Owens Trucking, Inc
Deana Owens – J. Owens Trucking, Inc
Philip Plemmons – Tennoca Construction Co.
Bob Curtis - Sevee & Maher Engineers, Inc. rbc

CURRENT PROJECT STATUS:

- An agreement has been completed to use orchard soil as part of the Landfill 6, Area A-West Closure
- Tennoca mobilized to the site and started grading waste Wednesday. Spreading of stone began Thursday.
- Vulcan will deliver stone Saturday.

SOIL DELIVERY:

- Tennoca will have about 2-acres of stone placed and ready for delivery of orchard soil Monday. Trucking will begin slow for a couple days and build up on Wednesday.
- Jerry Owens can provide up to 16 trucks for hauling orchards soil.

WEEKLY INVOICING:

- Tracking of soil:
  - Determine tare weight of each truck. Each truck has unique number (ex. "JO-01").
  - Weigh each loaded truck at once a day. Plus randomly weighing trucks as needed. Use the MRF scales or mill scales.
  - Collect a slip for each load
  - Complete a spreadsheet with soil information (truck, tare, soil weight, load count).
- Tennoca will have a spotter to direct trucks on-site and collect slips.

- Evergreen will provide truck slips to be completed. The slips will have at least three carbon copies.
- The spreadsheet will be submitted to everyone on a weekly basis.

OTHER TOPICS:

- Weekly progress meetings for the closure are held Tuesdays at 10:00 on-site.
- Safety is a concern along route to the landfill. Truckers should use care along Thickety and Incinerator Roads. Please use engine breaks only to the extent necessary.
- The loaded truck has the right-of-way at the narrow bridge on Incinerator Road.
- Crews will take July 3rd and 4th off. Orchard soil will be delivered seven days a week after July 4th. Delivery of orchard soil is expected to continue until the end of September.
- Drivers will pass along information concerning wet soil to Tennoca in order to plan placement ad drying.
- Confirmation samples have been collected by the EPA. Evergreen has collected samples as well.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
6/28/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Jim Giauque – Evergreen Packaging
Brad Goodson – Tennoca Construction Co.
Philip Plemmons – Tennoca Construction Co.
Bob Curtis - Sevee & Maher Engineers, Inc. rbc

HEALTH & SAFETY:

- Evergreen has been watering the roads. Tennoca has a water truck on-site and will begin watering for dust control.
- Jim Giauque has prepared safety instructions for drivers. Copies will be given to Vulcan and Owen to pass these along to their drivers.

PROGRESS:

- Tennoca mobilized Wednesday and began spreading stone Thursday.
- 8,189-tons of stone were delivered and spread from Thursday to Saturday, covering about 130,000 square feet.
- Delivery of orchard (off-site) soil began yesterday. J. Owens trucking is hauling the soil. 80 truck loads were delivered yesterday using 10 trucks.
- Evergreen began reworking the area of wet waste along north slope.

SCHEDULE:

- Tennoca will continue grading the sideslopes and spreading stone. Vulcan will haul Saturday.
- Tennoca will continue spreading off-site soil. Environmental Restoration (ER) plans to load trucks until noon on Saturday and take Sunday and Monday off.
- Evergreen and Southern Maintenance will continue regrading the north slope. This includes removal of wet waste and placement of dry material.

DISCUSSION:

- The orchard soil has a high moisture content and is difficult to work. Tennoca has spread a lift in the middle of the closure area and plans to work it to dry. The original plan of spreading, compacting and placing another lift will need to be modified. SME will contact ER regarding delivery of drier soil.
- Tracking of orchard soil trucks went well yesterday. Each truck was weighed once and maintained tickets.

- Evergreen scales are being repaired. SME will notify Jerry Owen that he should weigh trucks at the Clyde weigh station.
- Railroad ballast (stone) will be placed at the exit ramp from Area A-West to help remove mud from truck tires.
- The next weekly meeting will be held next Tuesday, July 5, 2011 at 10:00 am at the EOHS building.

QA/QC TESTING/ SUBMITTALS:

- SME will be collected a sample of orchard soil for testing. F&R will run a standard proctor and grain size.
- Evergreen safety has been notified that SME will have nuclear density gauge on-site.

ISSUES TO BE RESOLVED:

- SME will contact ER regarding drier soil.
- SME will contact Jerry Owen regarding weighing of trucks.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
7/05/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Brad Goodson – Tennoca Construction Co.
Bob Curtis - Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca has a water truck on-site and will water for dust control. Evergreen will continue to water as needed.
- Jim Giauque prepared safety instructions for truck drivers. Copies were given to Vulcan and Owen, and distributed to drivers.
- Tennoca held a weekly tool box safety meeting today. A copy of the agenda and attendees will be given to Evergreen

PROGRESS:

- Stone delivery continued last week. Based on Vulcan scales, 12,330-tons of stone were delivered and spread last week. The total stone delivered and spread to date is about 20,509-tons.
- Orchard soil delivery began last Monday. Based on daily truck weights and load counts, 11,432-tons of orchard soil were delivered to the site last week.
- Tennoca continued grading the ditch along the west and south sideslopes.
- Evergreen continued reworking the area of wet waste along north slope.

SCHEDULE:

- Tennoca will continue grading the sideslopes and spreading stone. Vulcan will haul Saturday. Stone placement should be completed in two weeks.
- Tennoca will continue spreading off-site soil. Environmental Restoration (ER) plans to work seven days a week. They will probably deliver wet soil on Sunday.
- Evergreen and Southern Maintenance will continue regrading the north slope. This includes removal of wet waste and placement of dry material.

DISCUSSION:

- The orchard soil was wet and difficult to spread last Monday and Tuesday. ER started excavating from the drier, upper stockpile Tuesday afternoon. This has helped with soil placement.
- Trucks have been using the Clyde weigh station. Temporary scales will be set up at the mill in about two weeks.

- Tennoca will need to begin stone placement on the north slope next week. Evergreen operators will be asked to finish regrading by the end of this week (Thursday).
- The next weekly meeting will be held at the site next Tuesday, July 12, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME collected two samples of orchard soil for testing. Results from the first sample show a maximum dry density of 99.7 pounds per cubic foot at optimum moisture of 22.3 percent. The sample of wet soil had a moisture content of 29.8%.
- Density tests on the orchard soil show a wet density of 110-PCF. This is equivalent to about 1.5-tons per cubic yard.

ISSUES TO BE RESOLVED:

- Regrading of the north slope needs to be completed this week.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
7/12/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Jim Giauque – Evergreen Packaging
Philip Plemmons – Tennoca Construction Co.
Tyler Pease – Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca and Evergreen are watering.
- Tennoca is holding safety meetings and has given copies to Evergreen.
- Jerry Owen was on-site July 7th expressing concern about Vulcan's trucks not following the rules of the road on Incinerator Road. He also expressed concern of personnel standing too close to trucks as they are dumping in case of equipment failure or tipping.

PROGRESS:

- Stone delivery continued last week. Based on Vulcan scales, 11,683-tons of stone were delivered and spread last week. The total stone delivered and spread to date is about 34,283-tons.
- Orchard soil delivery continued last week. Based on daily truck weights and load counts, 12,897-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 27,278-tons.
- Tennoca continued grading the ditch along the west and south sideslopes.
- Evergreen continued reworking the area of wet waste along the north slope.
- Tennoca is reworking and stabilizing the area of wet waste along the south slope.

SCHEDULE:

- Tennoca will continue grading the sideslopes and spreading stone.
- Tennoca will continue spreading off-site soil. Environmental Restoration (ER) plans to work seven days a week. They will probably deliver wet soil on Sunday.
- The stockpile of waste on the north slope will be removed by Evergreen this week. If Evergreen is unable to remove the pile, Tennoca will remove the stockpile.
- Tennoca will begin screening cover soil as necessary when cover soil is needed.

DISCUSSION:

- Tennoca and SME should be aware of any specific trucks that are driving unsafe around the site and Incinerator Road.
- Trucks have been using the Clyde weigh station. Luke requested that trucks continue using the Clyde weigh station due to limited room to maneuver at the mill.
- Jim reiterated that drivers and personnel working onsite are not to dispose of trash on the landfill.
- Emphasis was made about the importance of covering the slopes with stone and Orchard soil as soon as possible. The eastern 2/3 of the north slope will need to be covered from bottom to top due to concerns of wet waste that could become unstable.
- Southern Maintenance will remove wet soil from the northeast and southeast areas of the 6A-West and move to 6D-South this week.
- Tennoca needs to make sure employees are wearing proper PPE.
- The next weekly meeting will be held at the site next Tuesday, July 19, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME collected two samples of orchard soil for testing. Results from the second sample show a maximum dry density of 102.6 pounds per cubic foot at optimum moisture of 22.3 percent.
- Density tests on the orchard soil show a wet density of 115-PCF. This is equivalent to about 1.6-tons per cubic yard.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
7/19/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Philip Plemmons – Tennoca Construction Co.
Tyler Pease – Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca and Evergreen are watering.
- Tennoca is holding safety meetings and has given copies to Evergreen.

PROGRESS:

- Stone delivery continued last week. Based on Vulcan scales, 8,699-tons of stone were delivered and spread last week. The total stone delivered and spread to date is about 42,571-tons.
- Orchard soil delivery continued last week. Based on daily truck weights and load counts, 22,188-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 51,641-tons.
- Tennoca continued grading the ditch along the west sideslope, and began grading the ditch along the north sideslope.
- Tennoca began grading waste on the north slope and continued grading waste on the west slope.
- Tennoca completed stabilizing the area of wet waste along the south slope.
- Southern Maintenance removed the stockpile of waste on the north slope.

SCHEDULE:

- Tennoca will continue grading the sideslopes and spreading stone.
- Tennoca will continue spreading off-site soil. Environmental Restoration (ER) plans to work seven days a week. They will probably deliver wet soil on Sunday.
- Tennoca will begin screening cover soil as necessary when cover soil is needed.

DISCUSSION:

- Jim reiterated that drivers and personnel working onsite are not to dispose of trash on the landfill.
- Emphasis was made about the importance of covering the slopes with stone and Orchard soil as soon as possible. Portions of the north slope will need to

be covered from bottom to top due to concerns of wet waste that could become unstable.

- Environmental fabrics will be onsite towards the end of the week to repair holes/damage in the liner.
- Tennoca must arrange have the site surveyed prior to placing stone over the orchard soil on the side slopes.
- The last person to leave the site each night should lock up the main gate.
- SME will begin collecting two in-place orchard soil samples per week for TCLP RCRA metals, total RCRA metals, TCLP pesticides, and TCLP herbicides.
- ER will be loading from 9:00 AM to 5:00 PM on Sundays due to noise complaints, and will begin loading at 7:00 AM Monday through Saturday.
- The next weekly meeting will be held at the site next Tuesday, July 26, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME collected three samples of orchard soil for testing. Results of these samples have not been received.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
7/26/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Jim Giauque – Evergreen Packaging
Brad Goodson – Tennoca Construction Co.
Philip Plemmons – Tennoca Construction Co.
Tyler Pease – Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca and Evergreen are watering.
- Tennoca is holding safety meetings and has given copies to Evergreen.

PROGRESS:

- Stone delivery continued last week. Based on Vulcan scales, 3,656-tons of stone were delivered and spread last week. The total stone delivered and spread to date is about 44,557-tons.
- Orchard soil delivery continued last week. Based on daily truck weights and load counts, 19,094-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 69,863-tons.
- Tennoca continued grading the ditch along the north sideslope.
- Tennoca continued grading waste on the north slope.
- Environmental Fabrics, Inc. was onsite on Thursday. Approximately 30 liner repairs were completed.

SCHEDULE:

- Tennoca will continue grading the sideslopes and spreading stone.
- Tennoca will continue spreading off-site soil. Environmental Restoration (ER) plans to work seven days a week. They will probably deliver wet soil on Sunday.
- Tennoca will begin screening cover soil as necessary when cover soil is needed.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca must be increased.
- Maintenance of areas B & C has been approved by the State, but still needs approval from CERCLA, and an erosion control plan.

- When the maintenance activities are approved, those areas will be the priority for the placement of orchard soil. The order of placement will be, from first to last, area C Upper, C Lower, then B Upper
- The next weekly meeting will be held at the site next Tuesday, August 2, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME collected three samples of orchard soil, three samples of stone, and 4 analytical samples of orchard soil for testing. Results from samples previously submitted show a maximum dry density of 93.9 pounds per cubic foot at an optimum moisture of 25.1 percent.
- Density tests on the orchard soil show a wet density of 116-PCF. This is equivalent to about 1.56-tons per cubic yard

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
8/02/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Jim Giauque – Evergreen Packaging
Brad Goodson – Tennoca Construction Co.
Philip Plemmons – Tennoca Construction Co.
Bob Curtis – Sevee & Maher Engineers, Inc. rbc

HEALTH & SAFETY:

- Tennoca and Evergreen are watering the access roads for dust control. Dust has become a concern. A neighbor has complained about the dust. Tennoca will have a water truck spraying water over the access roads continuously each day. Evergreen will provide a water truck to wash roads during the day.
- A Jerry Owen's truck tipped over on Champion Drive last Wednesday. The soil was picked up and delivered to the site.
- One driver was asked to go home due to fatigue on Friday. He was observed driving in an unsafe manner.
- Tennoca is holding weekly safety meetings and will give a copy of the agenda and attendees to Evergreen.

PROGRESS:

- Stone delivery continued last week. Based on Vulcan scales, 3,035-tons of stone were delivered and spread last week. The total stone delivered and spread to date is about 47,592-tons.
- Orchard soil delivery continued last week. Based on daily truck weights and load counts, 21,063-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 90,926-tons, which is approximately 60,000 cubic yards.
- Tennoca continued grading the waste and ditch along the north sideslope.

SCHEDULE:

- Tennoca will continue grading waste and spreading stone the north sideslope.
- Tennoca will continue spreading off-site soil. Environmental Restoration (ER) is working seven days a week. They will probably deliver wet soil on Sunday.
- Tennoca will continue excavating the tie-in to Cell 6A East cover.
- Tennoca will begin screening cover soil as necessary when cover soil is needed, most likely the beginning of September.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca has been increased. A water truck is running continuously either filling (20-minutes) or spraying.
- Stone will be placed over the orchard soil on sideslopes at grade as soon as possible. This may reduce dust caused by wind blowing over dry surfaces.
- Mark Pruitt from the county will be on-site to discuss erosion control plan for the maintenance of areas B & C. The plan to perform the maintenance is currently being reviewed by John Ruetty of Evergreen for internal approval as well as the EPA.
- Evergreen will ask Southern Maintenance to mow areas B& C as soon as possible to prepare for maintenance work.
- The next weekly meeting will be held at the site next Tuesday, August 9, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME collected eight samples of orchard soil and 2 analytical samples of orchard soil for testing. Grain size analysis results show the eight samples all have greater than 20% fines.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
8/11/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Brad Goodson – Tennoca Construction Co.
Philip Plemmons – Tennoca Construction Co.
Bob Curtis – Sevee & Maher Engineers, Inc. rbc

HEALTH & SAFETY:

- Tennoca and Evergreen are watering the access roads for dust control. Tennoca will have a water truck spraying water over the access roads continuously each day. Evergreen will provide a water truck to wash roads during the day.
- Tennoca is holding weekly safety meetings and will give a copy of the agenda and attendees to Evergreen.

PROGRESS:

- Stone delivery continued last week. Based on Vulcan scales, 1,873-tons of stone were delivered and spread last week. The total stone delivered and spread to date is about 49,465-tons.
- Orchard soil delivery continued last week. Based on daily truck weights and load counts, 31,755-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 118,622-tons, which is approximately 80,000 cubic yards.
- Tennoca continued grading the waste and ditch along the north sideslope.

SCHEDULE:

- Excavate waste slide and replace with soil on north slope. Spread drainage stone to complete slopes.
- Finish excavating tie-in at southeast corner and place stone.
- Place stone at northeast corner.
- Spread stone over orchard soil on slopes.
- Tennoca will continue spreading off-site soil. Environmental Restoration (ER) has reduced the trucks per day and will stop working Sundays.
- Tennoca will begin screening cover soil Monday. They will begin placing cover soil over the sideslopes when stone has been placed.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca is still increased. A water truck is running continuously either filling (20-minutes) or spraying.

- ER will be reducing the number of trucks hauling orchard soil. Tennoca will reduce the work force on Saturday.
- Stone will be placed over the orchard soil on sideslopes at grade as soon as possible. This may reduce dust caused by wind blowing over dry surfaces.
- Southern Maintenance began mowing Areas B& C.
- The next weekly meeting will be held at the site next Tuesday, August 16, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME collected seven samples of orchard soil and 2 analytical samples of orchard soil for testing. Grain size analysis results show the eight samples all have greater than 20% fines.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
8/16/2011

ATTENDEES:

Jim Giauque – Evergreen Packaging
Philip Plemmons – Tennoca Construction Co.
Bob Curtis – Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca and Evergreen are watering the access roads for dust control. Tennoca's water truck is spraying water over the access roads continuously each day. Evergreen is washing the roads during the day.
- Tennoca is holding weekly safety meetings and will give a copy of the agenda and attendees to Evergreen.

PROGRESS:

- Stone delivery continued last week. Based on Vulcan scales, 3,037-tons of stone were delivered and spread last week. The total stone delivered and spread to date is about 53,172-tons.
- Orchard soil delivery continued last week. Based on daily truck weights and load counts, 20,560-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 139,180-tons, which is approximately 92,000 cubic yards.
- Tennoca began removing wet waste and replacing with soil at the slide area on the north slope.
- Tennoca began screening the cover soil stockpile Monday.

SCHEDULE:

- Finish excavating waste slide and replace with soil on north slope. Spread drainage stone to complete slopes. This should be completed tomorrow.
- Finish excavating tie-in at southeast corner and place stone. Stone placement should be completed Thursday.
- Spread stone over orchard soil on south and west slopes. Depending on loads delivered, this should be completed by next week.
- Tennoca will continue spreading off-site soil. Environmental Restoration (ER) has reduced the trucks per day, work only partial day Saturday and stopped working Sundays.
- Tennoca will continue cover soil Monday. They will begin placing cover soil over the sideslopes when stone has been placed. The tentative schedule is to begin the week of August 22nd.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca is still increased. A water truck is running continuously either filling (20-minutes) or spraying. This has kept up with dust control to date.
- Southern Maintenance finished mowing Areas B-Upper, B-Lower, C-Upper and C-Lower.
- The delivery of orchard soil has been reduced from 300 loads per day to 100 loads per day. Evergreen has asked ER to update the estimated soil quantity and schedule. For now, Tennoca will continue to place the orchard soil at the grades shown on the plans.
- Tennoca will work toward finishing the sideslopes with orchard soil in order to place cover soil. It is important to stabilize the slopes.
- The next weekly meeting will be held at the site next Tuesday, August 23, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME collected seven samples of orchard soil and 2 analytical samples of orchard soil for testing.
- Analytical results to date have not shown any samples with concentrations above the standards.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
8/23/2011

ATTENDEES:

Jim Giauque – Evergreen Packaging
Luke Williams – Evergreen Packaging
Brad Goodson – Tennoca Construction Co.
Philip Plemmons – Tennoca Construction Co.
Tyler Pease – Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca and Evergreen are watering the access roads for dust control. Tennoca's water truck is spraying water over the access roads continuously each day. Evergreen is washing the roads during the day.
- Tennoca is holding weekly safety meetings and will give a copy of the agenda and attendees to Evergreen.

PROGRESS:

- Stone delivery continued last week. Based on Vulcan scales, 3,062-tons of stone were delivered and spread last week. The total stone delivered and spread to date is about 56,234-tons.
- Orchard soil delivery continued last week. Based on daily truck weights and load counts, 8,037-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 147,345-tons, which is approximately 98,000 cubic yards.
- Tennoca completed removing wet waste and replacing with soil at the slide area on the north slope.
- Tennoca continued screening the cover soil stockpile.
- The site was surveyed on Tuesday (August 16).

SCHEDULE:

- Spread stone over orchard soil on south and north slopes. Depending on loads delivered, this should be completed by this week.
- Tennoca will continue spreading off-site soil. Environmental Restoration (ER) has reduced the trucks per day, work only partial day Saturday and stopped working Sundays.
- Tennoca will continue cover soil Monday. They will begin placing cover soil over the sideslopes when stone has been placed. The tentative schedule is to begin the week of August 29th.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca is still increased. A water truck is running continuously either filling (20-minutes) or spraying. This has kept up with dust control to date.
- The delivery of orchard soil has stopped as of 10:00 am Monday morning for a few days. Dave does not know when they will resume delivering soil.
- Tennoca will work toward finishing the sideslopes with orchard soil in order to place cover soil. It is important to stabilize the slopes.
- The next weekly meeting will be held at the site next Tuesday, August 30, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME collected 2 analytical samples of orchard soil for testing.
- Analytical results to date have not shown any samples with concentrations above the standards.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
8/30/2011

ATTENDEES:

Jim Giauque – Evergreen Packaging
Luke Williams – Evergreen Packaging
Brad Goodson – Tennoca Construction Co.
Philip Plemmons – Tennoca Construction Co.
Tyler Pease – Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca and Evergreen are watering the access roads for dust control. Tennoca's water truck is spraying water over the access roads continuously each day. Evergreen is washing the roads during the day.
- Tennoca is holding weekly safety meetings and will give a copy of the agenda and attendees to Evergreen.

PROGRESS:

- Stone delivery continued last week. Based on Vulcan scales, 2,387-tons of stone were delivered and spread last week. The total stone delivered and spread to date is about 58,621-tons.
- Orchard soil delivery continued last week. Based on daily truck weights and load counts, 124-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 148,936-tons, which is approximately 99,300 cubic yards.
- Tennoca continued screening the cover soil stockpile.

SCHEDULE:

- Spread stone over orchard soil on south and north slopes. Depending on loads delivered, this should be completed by this week.
- Tennoca will continue spreading off-site soil. Environmental Restoration (ER) has reduced the trucks per day. There will be no deliveries Saturday through Monday for Labor Day.
- Tennoca will continue to screen cover soil. They will begin placing cover soil over the sideslopes when stone has been placed. The tentative schedule is to begin the week of September 6th.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca is still increased. A water truck is running continuously either filling (20-minutes) or spraying. This has kept up with dust control to date.

- There is approximately 30,000 to 35,000 tons of orchard soil remaining to be delivered (20,000 cubic yards). This will require regrading of the soil that is already on-site. Tennoca plans to begin regrading next week. Grading requirements include:
    - 2% minimum slope
    - Roughly 50% of stormwater draining to the north and the other 50% draining to the south.
    - There must be a crown present on the top
    - There still must be 3 feet minimum cover thickness over the entire cell.
- Tennoca will work toward finishing the sideslopes with orchard soil in order to place cover soil. It is important to stabilize the slopes.
- The cover soil must have a moisture content of 0-4% above optimum when placed. The test results showed that the optimum moisture content of the cover soil is roughly 16%, and has a natural moisture content of 11.6%. Therefore, moisture will need to be added to the cover soil when it is placed.
- The next weekly meeting will be held at the site next Tuesday, September 6, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME collected 2 analytical samples of orchard soil for testing.
- Analytical results to date have not shown any samples with concentrations above the standards.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
9/6/2011

ATTENDEES:

Jim Giauque – Evergreen Packaging
Luke Williams – Evergreen Packaging
Philip Plemmons – Tennoca Construction Co.
Tyler Pease – Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca and Evergreen are watering the access roads for dust control. Tennoca's water truck is spraying water over the access roads continuously each day. Evergreen is washing the roads during the day.
- One of ER's dump trucks backed into one of Tennoca's bulldozers. There were no injuries. The only property damage was to ER's dump truck (two tires and two rims).
- Tennoca is holding weekly safety meetings and will give a copy of the agenda and attendees to Evergreen.

PROGRESS:

- Stone delivery continued last week. Based on Vulcan scales, 1,200-tons of stone were delivered and spread last week. The total stone delivered and spread to date is about 59,821-tons.
    - The stone placement was completed on the slopes. The only remaining stone to be placed is on the southwest and northwest corners.
- Orchard soil delivery continued last week. Based on daily truck weights and load counts, 3,422-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 150,767-tons, which is approximately 100,511 cubic yards.
- Tennoca continued screening the cover soil stockpile.
- Tennoca began regrading on-site orchard soil.

SCHEDULE:

- Tennoca will continue spreading off-site soil. Environmental Restoration (ER) has reduced the trucks per day. There will be no deliveries on Sunday's.
- Tennoca will continue to screen cover soil. They will begin placing cover soil over the sideslopes when stone has been placed. The tentative schedule is to begin the week of September 12th.
- Tennoca will continue regrading the on-site orchard soil.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca is still increased. A water truck is running continuously either filling (20-minutes) or spraying. This has kept up with dust control to date.
- Cover soil screenings may be placed on the cell providing there is a minimum cover of 3-feet over the stone. The screenings will provide additional fill on the cell. Three feet of cover is required to minimize any stones migrating towards the surface.
- The next weekly meeting will be held at the site next Tuesday, September 13, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME collected 2 analytical samples of orchard soil for testing.
- SME collected 4 grain size, and 2 standard proctor cover soil samples.
- Analytical results to date have not shown any samples with concentrations above the standards.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
9/13/2011

ATTENDEES:

Jim Giauque – Evergreen Packaging
Luke Williams – Evergreen Packaging
Philip Plemmons – Tennoca Construction Co.
Bob Curtis – Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca and Evergreen are watering the access roads for dust control. Tennoca's water truck is spraying water over the access roads continuously each day. Evergreen is washing the roads during the day.
- Evergreen will be removing the "Heavy Truck Traffic" signs on Champion Drive and Thickety Road.
- A school bus stops near a curve along Incinerator Road. Truck drivers should be alerted that the line of sight is limited and may require a sudden stop.
- Tennoca is holding weekly safety meetings and will give a copy of the agenda and attendees to Evergreen.

PROGRESS:

- Tennoca continued screening the cover soil stockpile. Rain and the holiday limited screening last week.
- Tennoca continued regrading on-site orchard soil. The eastern half of the site is regraded.
- There was no orchard soil delivered last week.
- Tennoca began spreading and compacting cover soil on the south sideslope yesterday.

SCHEDULE:

- Tennoca will continue spreading off-site soil as it is delivered.
- Tennoca will continue to screen cover soil. Placement of cover soil began yesterday on the south slope and will continue until the slopes are done. The south, west and north sideslopes ready for cover should be done the end of next week (9/23).
- Tennoca will contact a seeding subcontractor to seed, mulch and install erosion control mat. The first round of seeding will be done the end of next week (9/23) on areas ready.
- Tennoca will continue regrading the on-site orchard soil after cover soil has been spread and compacted on the slopes. The goal is to work westerly, leaving the access road area open to receive more orchard soil if needed.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca is still increased. A water truck is running continuously either filling (20-minutes) or spraying. This has kept up with dust control to date.
- ER has about 200 loads of orchard soil to be delivered to the site this week.
- Tennoca will provide SME with submittals (cut sheets) for pipe and erosion control mat. The seeding sub will provide seed and fertilizer tags.
- Southern Maintenance will extend the cleanouts at the east end of the cell. SME will let Evergreen know timing, but it could be completed next week.
- Andrea Keller of the NCDENR will be on-site next Thursday, September 22nd.
- The next weekly meeting will be held at the site next Tuesday, September 20, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME conducted in-place density tests on the cover soil. The tests meet the specifications when rolled with a truck. Just a dozer does not provide the needed compaction. The soil should be compacted as soon as possible to limit drying of the soil. The moisture content is just over optimum.
- Analytical results to date have not shown any samples with concentrations above the standards.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
9/20/2011

ATTENDEES:

Jim Giauque – Evergreen Packaging
Luke Williams – Evergreen Packaging
Brad Goodson – Tennoca Construction Co.
Philip Plemmons – Tennoca Construction Co.
Bob Curtis – Sevee & Maher Engineers, Inc. rbc

HEALTH & SAFETY:

- Tennoca and Evergreen are watering the access roads for dust control. Tennoca's water truck is spraying water over the access roads continuously each day. Evergreen is washing the roads during the day.
- One of Owen's trucks had a tailgate open slightly and spill orchard soil at the corner of Incinerator and Thickety roads. About four 5-gallon buckets of soil were shoveled and brought to site.
- Jim Giauque met with a representative of the school to discuss the bus stop near a curve along Incinerator Road. The school representative is working on a solution to avoid the stop. Truck drivers should continue to be alerted that the line of sight is limited and may require a sudden stop.
- Tennoca is holding weekly safety meetings and will give a copy of the agenda and attendees to Evergreen.

PROGRESS:

- Tennoca continued screening the cover soil stockpile.
- Orchard soil delivery continued last week. Based on daily truck weights and load counts, 4,326-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 155,000-tons, which is approximately 103,000 cubic yards.
- Tennoca began spreading and compacting cover soil on the sideslopes with orchard soil and stone last week. Tennoca placed cover soil over about 90,000 square feet on the south slope and 75,000 square feet on the north slope.

SCHEDULE:

- Tennoca will continue spreading off-site soil as it is delivered.
- Tennoca will continue to screen cover soil.
- Placement of cover soil will continue until the slopes are done. The slopes should be ready for seeding by Thursday.

- High Country Hydroseeding has been subcontracted to seed and mulch. Jim Leguire was on-site Monday and plans to apply seed and mulch on the sideslopes Thursday (9/22). Tennoca will provide the erosion control matting and High Country will install.
- Tennoca will begin installing storm drain piping next week. A separate crew will be on-site for that work.
- Tennoca will continue regrading the on-site orchard soil after cover soil has been spread and compacted on the slopes. The goal is to work westerly, leaving the access road area open to receive more orchard soil if needed.
- At the current rate of work, Tennoca should have the project substantially completed by the end of October.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca comtinues.
- Cover soil placement and compaction has been proceeding well. However, at the current rate screening of soil will be the limiting factor for cover soil placement. The screened soil stockpile will be used on the sideslopes, with little remaining for crown. Tennoca has been hauling, spreading and compacting about 2,000 cubic yards a day and screening about 1,000 cubic yards a day. Tennoca will operate the screen more next week. They may work Saturday or add a second shift with lights.
- About 20,000 cubic yards of screened cover soil is needed to complete the project.
- Tennoca provided SME with submittals (cut sheets) for pipe, concrete and erosion control mat. The seeding subcontractor will provide seed and fertilizer tags.
- Southern Maintenance will remove waste at the northeast corner of the cell today. They will also extend the cleanouts this week.
- The sideslopes of the cover soil stockpile should be graded to less than 2:1 and seeded at the completion of the project.
- Andrea Keller of the NCDENR will be on-site Thursday, September 22nd.
- The next weekly meeting will be held at the site next Tuesday, September 27, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME conducted in-place density tests on the cover soil. The tests meet the specifications when rolled with a sheepsfoot compactor or off-road truck. The soil has been compacted just after placement to limit drying.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
9/29/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Brad Goodson – Tennoca Construction Co.
Bob Curtis – Sevee & Maher Engineers, Inc. rbc

HEALTH & SAFETY:

- Tennoca and Evergreen continue to water the access roads for dust control.
- Access to the cell is now at one location with two way traffic. Everyone has been asked to use caution travelling on-site.
- Tennoca is holding weekly safety meetings and gave a copy of the agenda and attendees to Evergreen. This week the use of cell phones was discussed, due to the distraction while driving.

PROGRESS:

- Tennoca continued screening the cover soil stockpile. They began operating a night shift.
- Orchard soil delivery continued last week. Based on daily truck weights and load counts, 1,100-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 156,000-tons, which is approximately 104,000 cubic yards.
- Tennoca continued spreading and compacting cover soil on the sideslopes last week. Tennoca placed cover soil over about 20,000 square feet on the west slope. All sideslopes with orchard soil have cover soil.
- High Country seeded and mulched the south slope last week and the west and north slopes earlier this week. They installed erosion control matting in ditches that were at grade.
- Tennoca removed the southwest access road into the cell. They regraded the waste, spread drainage stone and started placing cover soil.
- Tennoca began installing storm drain pipes this week.
- Southern Maintenance removed waste at the northeast corner and extended the cleanout last week.

SCHEDULE:

- Tennoca will continue spreading off-site soil as it is delivered. ER estimates that today is the last day.
- Tennoca will continue screening cover soil with two shifts.
- Placement of cover soil will continue on the crown and southwest slope.

- High Country Hydroseeding will return the beginning of next week to seed and mulch the southwest slope and areas of crown ready. This should be more than 2-acres.
- Tennoca will install stone check dams next week.
- Tennoca will complete four of the storm drain pipes with headwalls this week. They will finish the remaining two when the cover soil is completed at the northeast and southeast corners.
- Tennoca will continue regrading the on-site orchard soil after cover soil has been spread and compacted on the slopes. The goal is to work westerly, leaving the access road area open to receive more orchard soil if needed.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca continues.
- Stone check dams need to be installed as soon as possible,
- The quantity of screened cover soil will be evaluated next week to determine the need for a second shift.
- Tennoca is screening about 1,800 to 2,000 cubic yards a day and placing about 2,400 cubic yards a day.
- Orchard soil delivery should end soon. Tennoca will regrade the existing orchard soil on site leaving an area on the west side open for additional soil if needed.
- The next weekly meeting will be held at the site next Tuesday, October 4, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME conducted in-place density tests on the cover soil. The tests meet the specifications when rolled with a sheepsfoot compactor. The soil has been compacted just after placement to limit drying.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
10/4/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Jim Giauque – Evergreen Packaging
Philip Plemmons – Tennoca Construction Co.
Tyler Pease – Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca and Evergreen continue to water the access roads for dust control.
- Access to the cell is now at one location with two way traffic. Everyone has been asked to use caution travelling on-site.
- Tennoca is holding weekly safety meetings and gave a copy of the agenda and attendees to Evergreen.

PROGRESS:

- Tennoca continued screening the cover soil stockpile. They continued operating a night shift.
- Orchard soil delivery finished last week. Based on daily truck weights and load counts, 3,400-tons of orchard soil were delivered to the site last week. The total Orchard soil delivered and spread to date is 159,255-tons, which is approximately 106,200 cubic yards.
- Tennoca continued spreading and compacting cover soil on the sideslopes and crown last week. Tennoca placed cover soil over about 30,000 square feet on the southwest corner, and 79,000 square feet on the crown. All sideslopes with orchard soil have cover soil.
- High Country seeded and mulched the north and west slopes last week and installed erosion control matting in ditches
- Tennoca began installing storm drain pipes last week, four drain pipes and headwalls are completed.

SCHEDULE:

- Tennoca will continue screening cover soil with two shifts.
- Placement of cover soil will continue on the crown.
- High Country Hydroseeding will return Wednesday to seed and mulch the southwest slope and areas of crown ready.
- Tennoca will finish the remaining two storm drain pipes and headwalls when the cover soil is completed at the northeast and southeast corners.
- Tennoca will continue regrading the on-site orchard soil.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca continues.
- Stone check dams are being installed today, the inlet side of the check dams will need to have a layer 2-4 inch stone installed for sediment control.
- Tennoca is screening about 1,800 to 2,000 cubic yards a day and placing about 2,400 cubic yards a day.
- Orchard soil delivery is finished.
- The bus issue on Incinerator Road has been resolved.
- The next weekly meeting will be held at the site next Tuesday, October 11, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME conducted in-place density tests on the cover soil. The tests meet the specifications when rolled with a sheepsfoot compactor. The soil has been compacted just after placement to limit drying.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
10/11/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Jim Giauque – Evergreen Packaging
Philip Plemmons – Tennoca Construction Co.
Tyler Pease – Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca and Evergreen continue to water the access roads for dust control.
- Access to the cell is now at one location with two way traffic. Everyone has been asked to use caution travelling on-site.
- Tennoca is holding weekly safety meetings and gave a copy of the agenda and attendees to Evergreen.

PROGRESS:

- Tennoca continued screening the cover soil stockpile. They continued operating a night shift last week. They will only screen during the day this week.
- Tennoca continued spreading and compacting cover soil on the sideslopes and crown last week. Tennoca placed cover soil over about 210,000 square feet on the crown. All sideslopes with orchard soil have cover soil.
- High Country seeded and mulched the south and west slopes, installed erosion control matting in the south and west ditches, and seeded and mulched about 260,000 square feet on the crown.
- Tennoca completed regrading the orchard soil.
- Tennoca installed stone check dams in north and south ditches. Railroad ballast will be added to the check dams for sediment control.

SCHEDULE:

- Tennoca will continue screening cover soil through Thursday.
- Placement of cover soil will continue on the crown.
- High Country Hydroseeding will return Wednesday or Thursday to seed and mulch the areas of crown ready.
- Tennoca will finish the remaining two storm drain pipes and headwalls when the cover soil is completed at the northeast and southeast corners.
- Tennoca may begin working four days per week this week.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca continues.
- The inlet side of the check dams will need to have a layer 2-4 inch stone installed for sediment control.
- The next weekly meeting will be held at the site next Tuesday, October 18, 2011 at 10:00 am.

QA/QC TESTING/ SUBMITTALS:

- SME conducted in-place density tests on the cover soil. The tests meet the specifications when rolled with a sheepsfoot compactor. The soil has been compacted just after placement to limit drying.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

EVERGREEN PACKAGING
LANDFILL NO 6
AREA-A WEST CLOSURE
WEEKLY MEETING
10/18/2011

ATTENDEES:

Luke Williams – Evergreen Packaging
Jim Giauque – Evergreen Packaging
Philip Plemmons – Tennoca Construction Co.
Brad Goodson – Tennoca Construction Co.
Tyler Pease – Sevee & Maher Engineers, Inc.

HEALTH & SAFETY:

- Tennoca and Evergreen continue to water the access roads for dust control.
- Access to the cell is now at one location with two way traffic. Everyone has been asked to use caution travelling on-site.
- Tennoca is holding weekly safety meetings and gave a copy of the agenda and attendees to Evergreen.

PROGRESS:

- Tennoca continued screening the cover soil stockpile. They plan on screening through Thursday this week.
- Tennoca continued spreading and compacting cover soil on the sideslopes and crown last week. Tennoca placed cover soil over about 110,000 square feet on the crown. All sideslopes with orchard soil have cover soil.
- Tennoca completed regrading the orchard soil.

SCHEDULE:

- Tennoca will continue screening cover soil through Thursday.
- Placement of cover soil will continue on the crown and on the northwest corner.
- High Country Hydroseeding will continue to seed and mulch the areas of crown ready.
- Tennoca will finish the remaining two storm drain pipes and headwalls when the cover soil is completed at the northeast and southeast corners (this week).
- Tennoca may continue working four days per week.

DISCUSSION:

- The frequency of dust control and cleaning by Tennoca continues.
- Tennoca will haul waste from the northwest corner to cell 6D-South.
- There is an area of the south ditch towards the east that requires repair from erosion.

- The gravel/stone that is stockpiled along the paved access roads on the north and south of the cell towards the east should be spread out onto the pull-offs on the road.
- The inlet side of the check dams will need to have a layer 2-4 inch stone installed for sediment control.
- There will be no meeting next week unless a meeting is needed.

QA/QC TESTING/ SUBMITTALS:

- SME conducted in-place density tests on the cover soil. The tests meet the specifications when rolled with a sheepsfoot compactor. The soil has been compacted just after placement to limit drying.

ISSUES TO BE RESOLVED:

- No issues to be resolved.

ATTACHMENT 3

SOILS QA/QC

3A

QUALITY CONTROL - DRAINAGE STONE
GRAIN SIZE

QUALITY CONTROL TESTING SUMMARY - STONE

EVERGREEN PACKAGING - NUMBER 6 LANDFILL

AREA A-WEST CLOSURE

SAMPLE	GRADATION													
	1-1/2" (%)	1" (%)	3/4" (%)	1/2" (%)	3/8" (%)	1/4" (%)	#4 (%)	#8 (%)	#10 (%)	#20 (%)	#40 (%)	#60 (%)	#100 (%)	#200 (%)
#67 STONE		**100**	**90-100**		**25-55**		**0-10**	**0-5**						
STONE-1		100	93.8		24.2		3.7	1.8						
STONE-2		100	95.6		22.2		5.6	2.4						
STONE-3		100	94.1		24.6		5.1	2.6						
STONE-4		100	94.2		23.6		4.7	1.4						
STONE-5		100	96.3		24.4		5.4	2.1						
STONE-6		100	91.4		21.9		6.3	2.6						
STONE-7		100.0	91.0		20.7		7.5	3.8						
STONE-8		100	92		24		6	3.2						

Vulcan Materials Company

Statistical Analysis Report

Period 06/01/2011 - 07/07/2011
Plant 107-Enka
Product 067-NC #67
Specification NC #67

Sample Id	Date	1" (25mm)	3/4" (19mm)	1/2" (12.5mm)	3/8" (9.5mm)	#4 (4.75mm)	#8 (2.36mm)
1204106674	06/01/2011 14:11	100.0	97.5	56.9	27.2	6.3	1.7
1204106679	06/07/2011 14:16	100.0	96.3	55.0	24.4	5.4	2.1
1676334239	06/09/2011 13:21	100.0	96.0	57.3	28.4	5.8	1.8
1247855900	06/14/2011 16:20	100.0	94.2	52.9	23.6	4.7	1.4
1247855908	06/16/2011 16:23	100.0	91.3	42.8	20.1	3.1	1.7
1346446787	06/21/2011 08:01	100.0	98.5	58.2	27.8	6.6	2.2
1352221190	06/22/2011 10:24	100.0	91.4	43.9	21.9	6.3	2.6
1352221200	06/22/2011 10:24	100.0	90.5	42.4	21.4	3.8	1.9
1352221201	06/22/2011 10:24	100.0	94.6	48.2	26.8	8.3	3.3
621169623	06/25/2011 15:54	100.0	94.1	46.3	21.7	5.1	2.2
621169624	06/25/2011 15:54	100.0	91.0	40.6	20.7	7.5	3.8
621169625	06/25/2011 15:54	100.0	93.1	44.6	21.5	6.0	2.6
621169626	06/25/2011 15:54	100.0	92.6	46.9	23.9	6.2	3.3
621169655	06/27/2011 16:05	100.0	90.4	43.0	19.7	5.3	1.8
621169656	06/27/2011 16:05	100.0	92.0	47.4	23.5	6.0	3.2
621169657	06/27/2011 16:05	100.0	94.2	48.8	22.7	6.8	3.9
1743787708	06/28/2011 13:26	100.0	91.3	43.3	22.4	4.3	1.6
1743787711	06/28/2011 13:26	100.0	94.8	50.4	24.3	7.5	3.4
1743787700	06/28/2011 13:26	100.0	92.5	45.2	21.5	5.7	2.2
1743787702	06/29/2011 13:26	100.0	92.4	49.8	21.8	4.9	2.2
1743787703	06/29/2011 13:26	100.0	92.0	51.5	23.6	7.6	4.2
734883174	06/30/2011 14:16	100.0	90.3	45.4	20.4	5.2	1.9
734883175	06/30/2011 14:16	100.0	94.5	52.8	23.9	7.3	3.2
734883176	06/30/2011 14:16	100.0	91.4	47.5	20.6	5.1	2.3
734883177	06/30/2011 14:16	100.0	94.4	52.1	23.7	6.5	3.3
734883224	07/01/2011 14:42	100.0	93.3	48.1	21.6	6.2	1.9

Vulcan Materials Company

Statistical Analysis Report

Period 06/01/2011 - 07/07/2011
Plant 107-Enka
Product 067-NC #67
Specification NC #67

Sample Id	Date	1" (25mm)	3/4" (19mm)	1/2" (12.5mm)	3/8" (9.5mm)	#4 (4.75mm)	#8 (2.36mm)
734883238	07/01/2011 14:46	100.0	91.7	44.7	22.5	5.1	2.4
734883250	07/01/2011 14:46	100.0	93.9	48.0	23.1	4.8	2.6
1081263400	07/05/2011 14:22	100.0	95.6	49.4	22.5	5.2	2.4
1081263402	07/05/2011 14:22	100.0	92.9	42.4	20.4	6.3	3.0
1081263403	07/05/2011 14:22	100.0	91.3	45.2	20.2	4.8	1.4
1081263404	07/05/2011 14:22	100.0	93.5	46.1	21.2	5.1	2.3
1081264727	07/06/2011 15:06	100.0	93.4	41.2	19.7	5.5	2.6
1081264728	07/06/2011 15:06	100.0	93.1	43.1	20.6	6.5	3.1
1081264729	07/06/2011 15:06	100.0	94.2	44.6	23.6	7.0	3.5
1081264730	07/06/2011 15:06	100.0	92.4	43.6	21.6	5.1	1.7

Vulcan Materials Company

Statistical Analysis Report

Period	06/01/2011 - 07/07/2011
Plant	107-Enka
Product	067-NC #67
Specification	NC #67

	1" (25mm)	3/4" (19mm)	1/2" (12.5mm)	3/8" (9.5mm)	#4 (4.75mm)	#8 (2.36mm)
Count	36	36	36	36	36	36
Min	100.0	90.3	40.6	19.7	3.1	1.4
Max	100.0	98.5	58.2	28.4	8.3	4.2
Range	0.0	8.2	17.6	8.7	5.3	2.8
Mean	100.0	93.2	47.5	22.6	5.8	2.5
Median	100.0	93.1	46.6	22.2	5.7	2.4
St Dev	0.0	2.0	4.7	2.2	1.1	0.7
CV	0.0	0.0	0.1	0.1	0.2	0.3
Skewness	0.0	0.6	0.7	1.0	0.0	0.5
Kurtosis	0.0	0.0	-0.4	0.3	-0.2	-0.9
Pay Factor						
Lower Target						
Upper Target						
Lower Spec (LSL)	100	90		20	0	0
Upper Spec (USL)	100	100		55	10	5
PWS	100.0	94.9		87.8	100.0	100.0
Lower Limit (LCL)	100.0	89.3	38.2	18.1	3.6	1.0
Upper Limit (UCL)	100.0	97.1	56.8	27.1	8.0	4.0
PWL	100.0	95.4	95.4	95.4	95.4	95.4

Statistical Analysis Report

Period	06/01/2011 - 07/07/2011
Plant	107-Enka
Comments	

Query Selections
Date Created 07/07/2011
Date Range 06/01/2011 - 07/07/2011
Plant Enka

Vulcan Materials Company

Statistical Analysis Report

Evergreen Packaging
Bob Curtis

Period 04/01/2011 - 06/23/2011
Plant 107-Enka
Product 067-NC #67
Specification NC #67

Sample Id	Date	1" (25mm)	3/4" (19mm)	1/2" (12.5mm)	3/8" (9.5mm)	#4 (4.75mm)	#8 (2.36mm)
1216774764	04/06/2011 07:47	100.0	91.4	43.2	23.5	7.0	2.1
1216774831	04/13/2011 09:03	100.0	92.1	45.0	24.0	5.7	1.7
774313866	04/14/2011 10:47	100.0	90.9	40.2	22.4	5.5	2.4
1216775622	04/18/2011 08:51	100.0	96.2	46.8	22.4	4.6	2.1
501973757	04/18/2011 14:47	100.0	94.7	48.2	24.8	5.3	1.8
501973826	04/19/2011 15:16	100.0	91.9	47.5	26.9	8.5	2.2
501973835	04/19/2011 15:23	100.0	98.2	58.2	23.1	5.3	2.7
1935305337	04/26/2011 07:23	100.0	96.0	55.0	26.3	5.2	2.4
1216863892	05/03/2011 14:54	100.0	94.1	49.8	21.5	5.1	2.1
1216863920	05/06/2011 15:03	100.0	95.6	51.2	23.4	3.6	1.6
862623949	05/11/2011 10:54	100.0	93.8	48.7	24.2	3.7	1.8
1047690597	05/17/2011 13:43	100.0	95.4	47.5	22.1	5.3	2.7
1048711086	05/20/2011 11:17	100.0	95.6	47.2	22.2	5.6	2.4
1301054214	05/25/2011 10:56	100.0	94.1	50.4	24.6	5.1	2.6
1204106674	06/01/2011 14:11	100.0	97.5	56.9	27.2	6.3	1.7
1204106679	06/07/2011 14:16	100.0	96.3	55.0	24.4	5.4	2.1
1676334239	06/09/2011 13:21	100.0	96.0	57.3	28.4	5.8	1.8
1247855900	06/14/2011 16:20	100.0	94.2	52.9	23.6	4.7	1.4
1247855908	06/16/2011 16:23	100.0	91.3	42.8	20.1	3.1	1.7
1346446787	06/21/2011 08:01	100.0	98.5	58.2	27.8	6.6	2.2
1352221190	06/22/2011 10:24	100.0	91.4	43.9	21.9	6.3	2.6
1352221200	06/22/2011 10:24	100.0	90.5	42.4	21.4	3.8	1.9
1352221201	06/22/2011 10:24	100.0	94.6	48.2	26.8	8.3	3.3

Vulcan Materials Company

Statistical Analysis Report

Evergreen Packaging
Bob Curtis

Period	04/01/2011 - 06/23/2011
Plant	107-Enka
Product	067-NC #67
Specification	NC #67

	1" (25mm)	3/4" (19mm)	1/2" (12.5mm)	3/8" (9.5mm)	#4 (4.75mm)	#8 (2.36mm)
Count	23	23	23	23	23	23
Min	100.0	90.5	40.2	20.1	3.1	1.4
Max	100.0	98.5	58.2	28.4	8.5	3.3
Range	0.0	8.1	18.1	8.4	5.5	1.8
Mean	100.0	94.4	49.4	24.0	5.5	2.1
Median	100.0	94.6	48.2	23.6	5.3	2.1
St Dev	0.0	2.4	5.4	2.3	1.3	0.4
CV	0.0	0.0	0.1	0.1	0.2	0.2
Skewness	0.0	-0.1	0.2	0.4	0.5	0.6
Kurtosis	0.0	-1.2	-1.2	-1.0	0.0	-0.2
Pay Factor						
Lower Target						
Upper Target						
Lower Spec (LSL)	100	90		20	0	0
Upper Spec (USL)	100	100		55	10	5
PWS	100.0	96.8		96.1	100.0	100.0
Lower Limit (LCL)	100.0	89.6	38.6	19.5	2.8	1.2
Upper Limit (UCL)	100.0	99.2	60.2	28.5	8.2	3.0
PWL	100.0	95.4	95.4	95.4	95.4	95.4

Statistical Analysis Report

Evergreen Packaging
Bob Curtis

Period	04/01/2011 - 06/23/2011
Plant	107-Enka
Comments	

Query Selections
Date Created 06/23/2011
Date Range 04/01/2011 - 06/23/2011
Plant Enka

3B

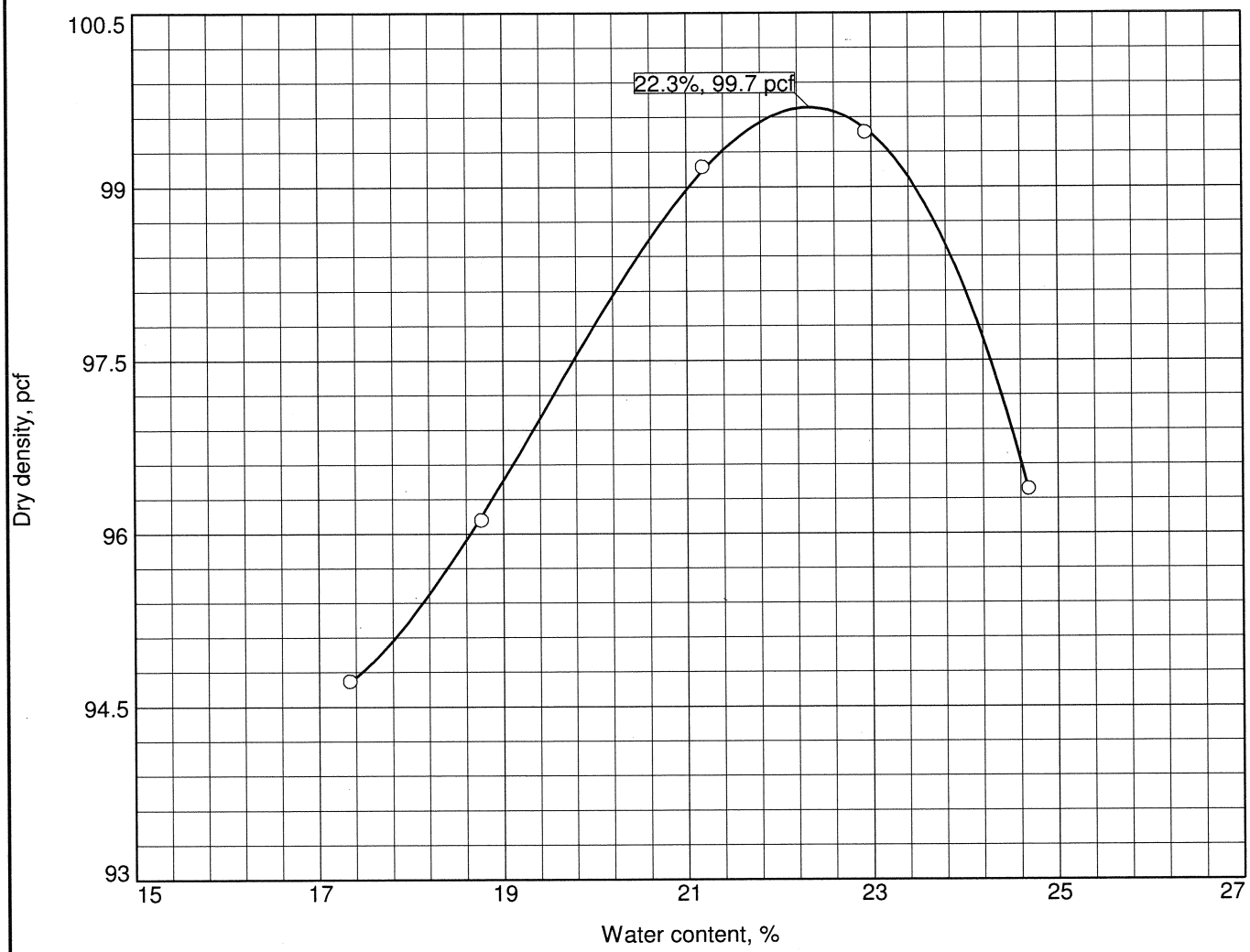
QUALITY CONTROL / QUALITY ASSURANCE – OFF-SITE BORROW SOIL

- LABORATORY MOISTURE DENSITY TESTS
- LABORATORY GRAIN SIZE ANALYSES
- IN-PLACE DENSITY TESTS

QUALITY CONTROL TESTING SUMMARY - ORCHARD SOIL
EVERGREEN PACKAGING - NUMBER 6 LANDFILL
AREA A-WEST CLOSURE

SAMPLE NUMBER	SAMPLE DATE	MOISTURE CONTENT (%)	GRADATION % PASSIING 3" (%)	GRADATION % PASSING #200 (%)	MAXIMUM DRY DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)
				20%		
BSOS-1	6/28/11	29.8	100	59.1	99.7	22.3
BSOS-2	6/30/11	24.6	100	59.3	102.6	20.7
BSOS-3	7/7/11	27.4	100	59.6		
BSOS-4	7/8/11	35.7	100	58.8		
BSOS-5	7/12/11	32.3	100	59.2	93.3	25.1
BSOS-6	7/22/11	24.0	100	59.3	100.2	21.6
BSOS-7	7/22/11	26.8	100	58.7		
BSOS-8	7/22/11	35.0	100	61.4		
BSOS-9	7/27/11	19.4	100	60.5	100.2	20.9
BSOS-10	7/28/11	28.2	100	42.0		
BSOS-11	7/29/11	25.7	100	53.1		
BSOS-12	7/29/11	27.0	100	55.8		
BSOS-13	7/30/11	22.5	100	54.5		
BSOS-14	7/30/11	26.1	100	56.4		
BSOS-15	7/31/11	25.7	100	48.7		
BSOS-16	7/31/11	28.3	100	58.7	94.1	25.2
BSOS-17	8/1/11	31.0	100	59.2		
BSOS-18	8/2/11	33.5	100	52.4		
BSOS-19	8/3/11	30.9	100	60.9		
BSOS-20	8/4/11	23.6	100	52.1		
BSOS-21	8/5/11	27.1	100	47.0	93.9	25.1
BSOS-22	8/6/11	27.5	100	47.3		
BSOS-23	8/8/11	37.0	100	55.5		
BSOS-24	8/8/11	38.0	100	49.2	89.9	27.1
BSOS-25	8/9/11	28.5	100	56.0		
BSOS-26	8/10/11	36.4	100	53.6		
BSOS-27	8/11/11	27.5	100	61.2		
BSOS-28	8/12/11	21.5	100	39.8		
BSOS-29	8/15/11	32.1	100	48.9	96.0	24.5
BSOS-30	8/18/11	20.5	100	50.9		
BSOS-31	9/15/11	22.8	100	51.4	100.1	21.9
BS0S-32	10/6/11	16.5	100	51.4		
BSOS-33	10/6/11	19.7	100	53.4		

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
	(CH)		29.8		71.0	44.0	7.9	59.1

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 99.7 pcf Optimum moisture = 22.3 %	Dark Brown sandy fat CLAY (CH)

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borow Pit **Sample Number:** 1

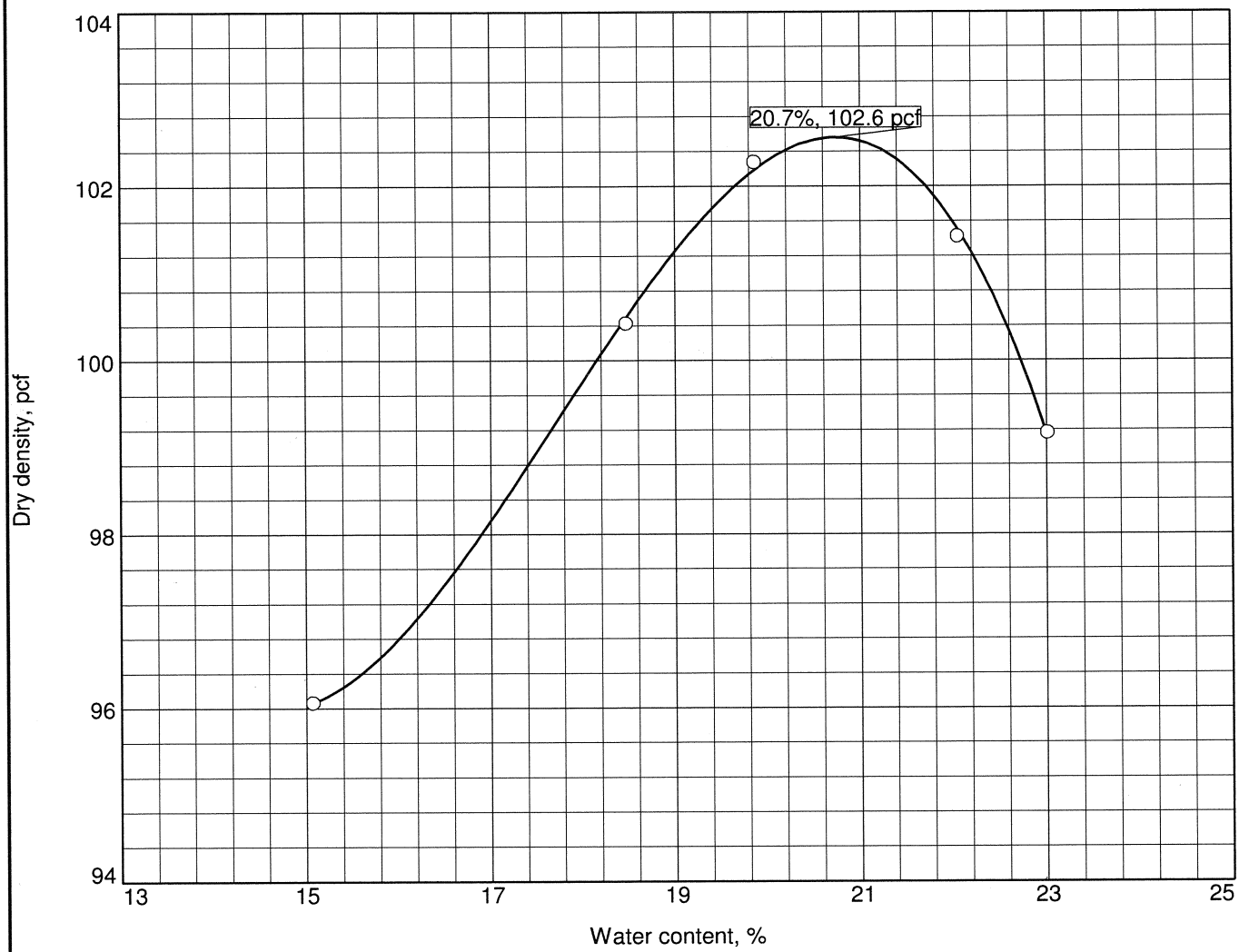
Remarks:
Sample #1
Source: On Site Borow Pit
Sample Date: 6-29-11

FROEHLING & ROBERTSON, INC.

Figure

Tested By: Justin Bredow

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
	(ML)		24.6		38	13		

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 102.6 pcf Optimum moisture = 20.7 %	Dark Brown sandy SILT (ML)

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit **Sample Number:** 2

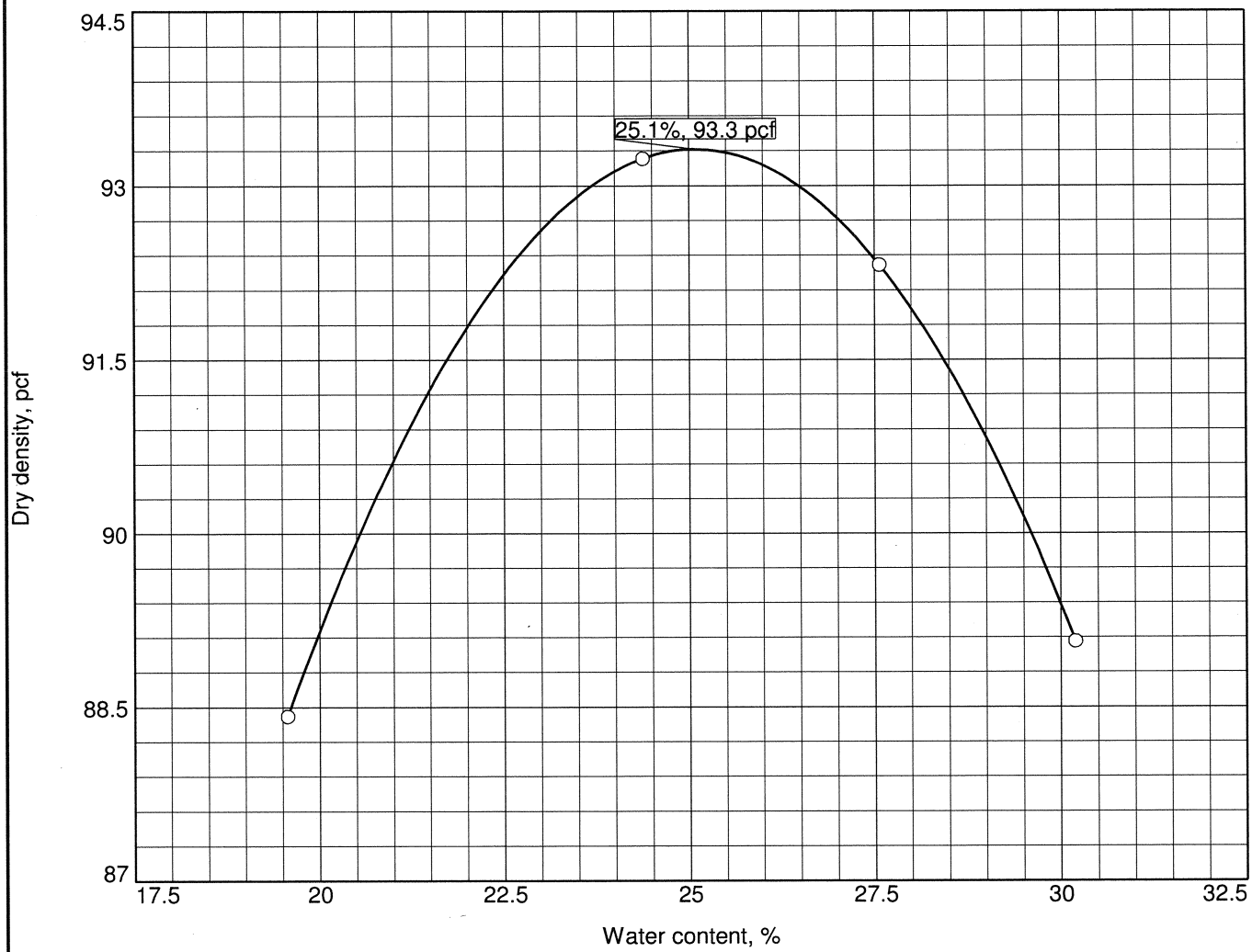
Remarks:
Sample: BSOS #2
Source: On Site Borrow Pit
Sample Date: 6-30-11

FROEHLING & ROBERTSON, INC.

Figure

Tested By: Justin Bredow

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
	(ML)		32.3		INA	INA	1.7	59.2

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 93.3 pcf Optimum moisture = 25.1 %	Dark Brown sandy SILT (ML) (visual)

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit **Sample Number:** 3

Remarks:
Sample: BSOS #5
Source: On Site Borrow Pit
Sample Date: 7-14-11

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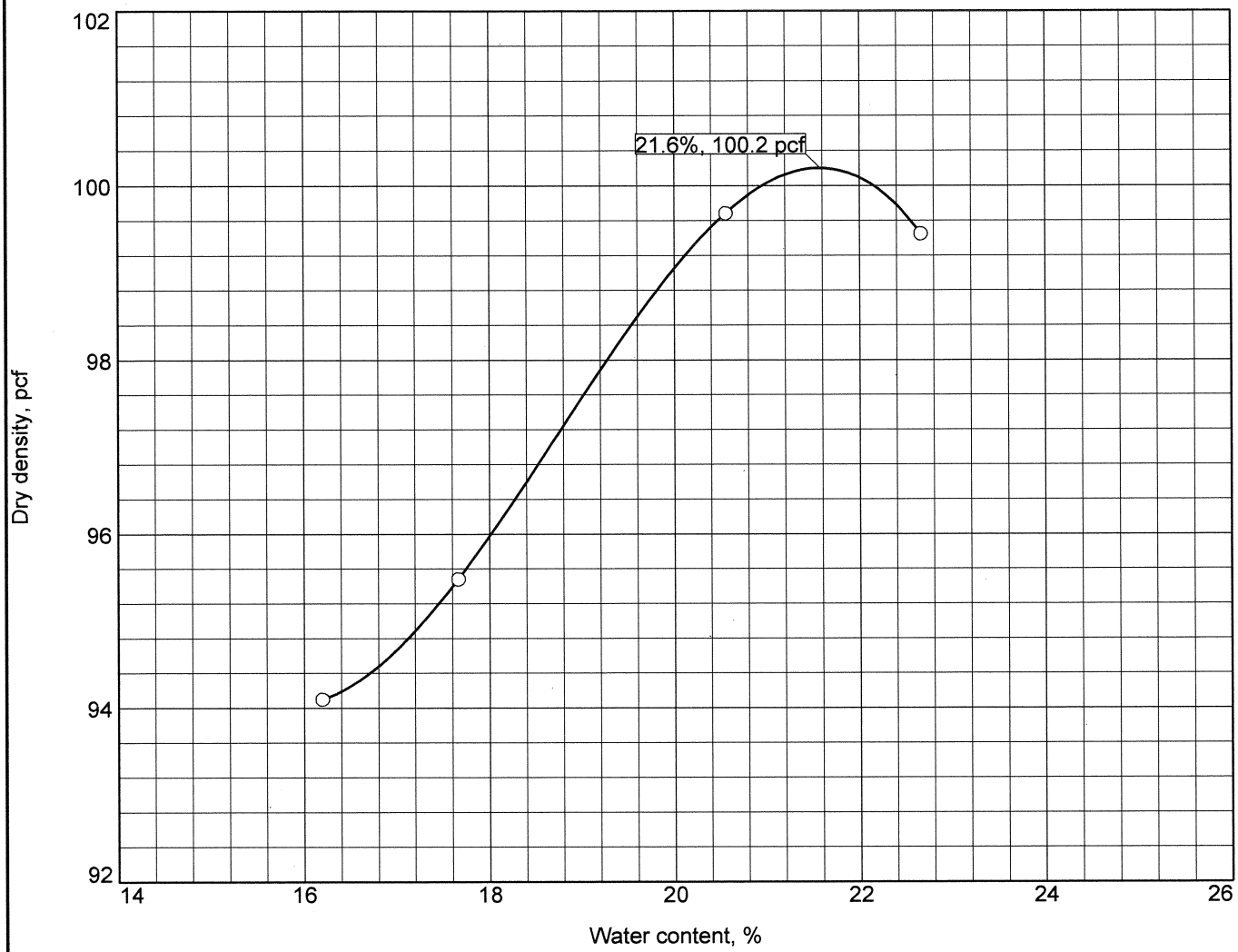
Figure

Tested By: Justin Bredow

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
			24.0		INA	INA	3.9	59.3

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 100.2 pcf Optimum moisture = 21.6 %	Dark Brown Sandy SILT (ML) with organics

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit **Sample Number:** 4

Remarks:
Sample: BSOS #6

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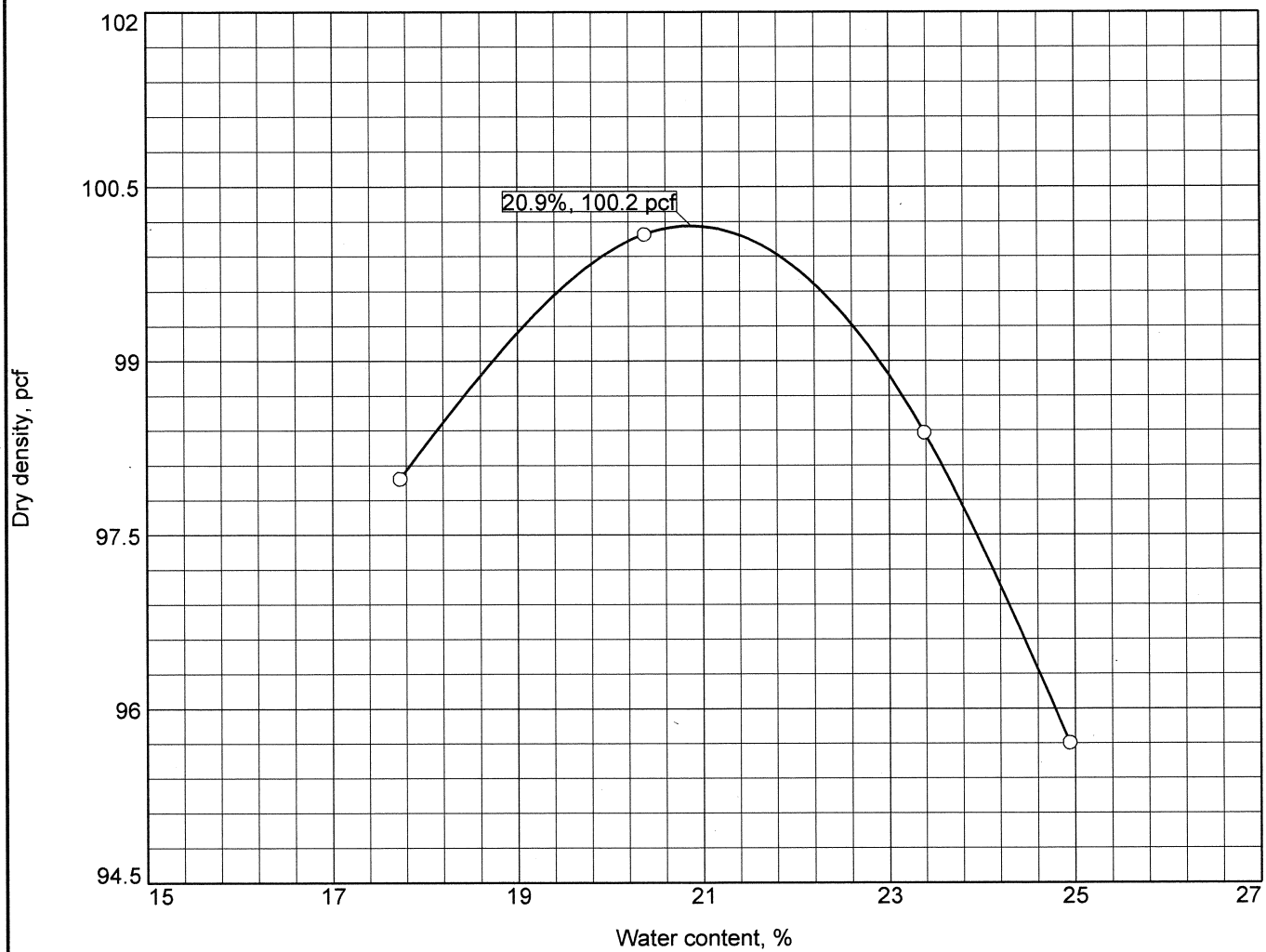
Figure

Tested By: Justin Bredow **Checked By:** T. Erickson

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
			19.4				3.5	60.5

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 100.2 pcf Optimum moisture = 20.9 %	Dark Brown Sandy SILT with organics (ML) visual class

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit **Sample Number:** 6

Remarks:
Sample Date: 8/1/11
Sample No.: BSOS - #9
Source: on site borrow pit

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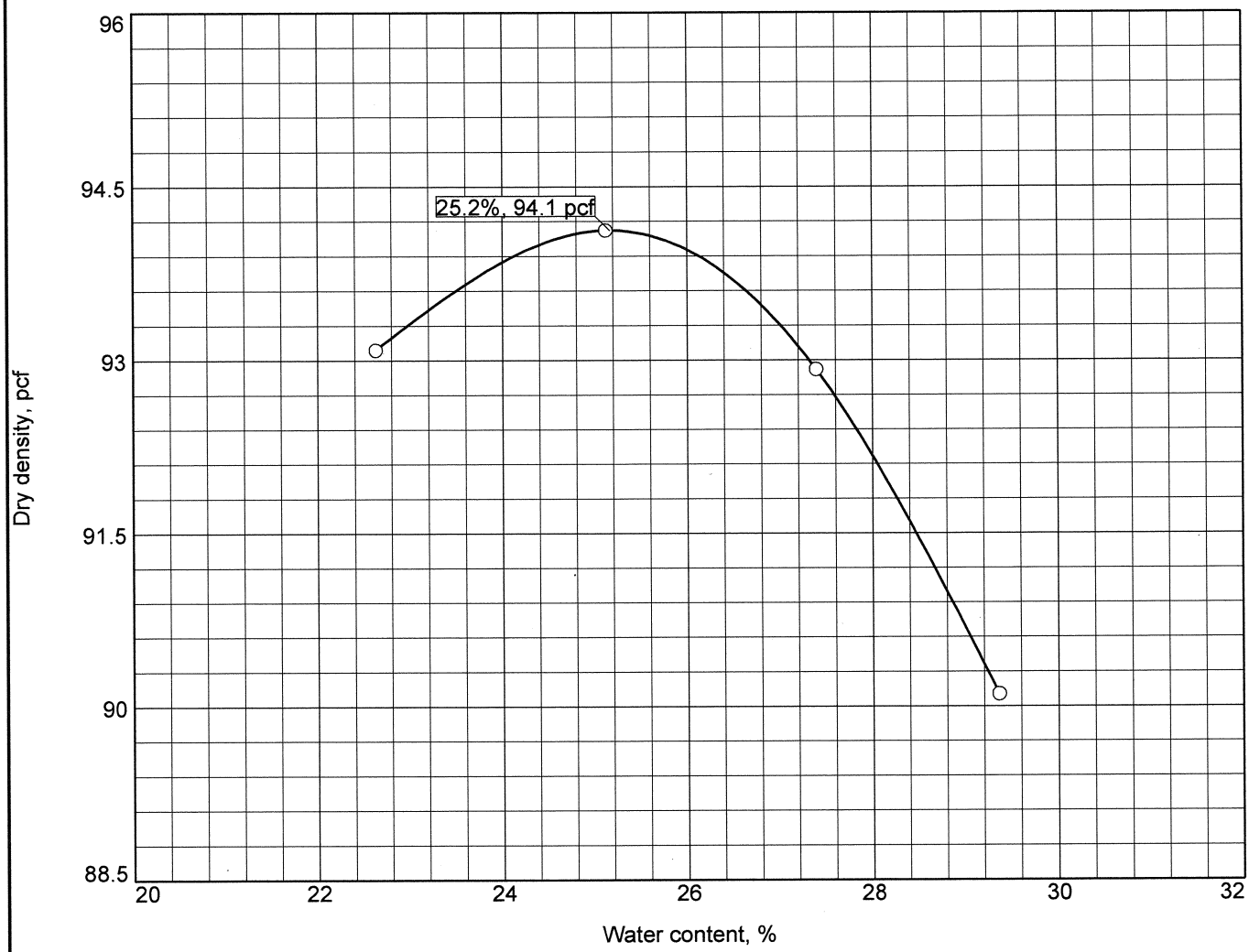
Asheville, NC

Figure

Tested By: J. Bredow **Checked By:** T. Erickson

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
			28.3				4.9	53.7

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 94.1 pcf Optimum moisture = 25.2 %	Dark Brown Sandy SILT with organics (ML) - visual class

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit **Sample Number:** 5

Remarks:
Sample Date: 8/1/11
Sample No. BSOS - #16
Source: on site borrow pit

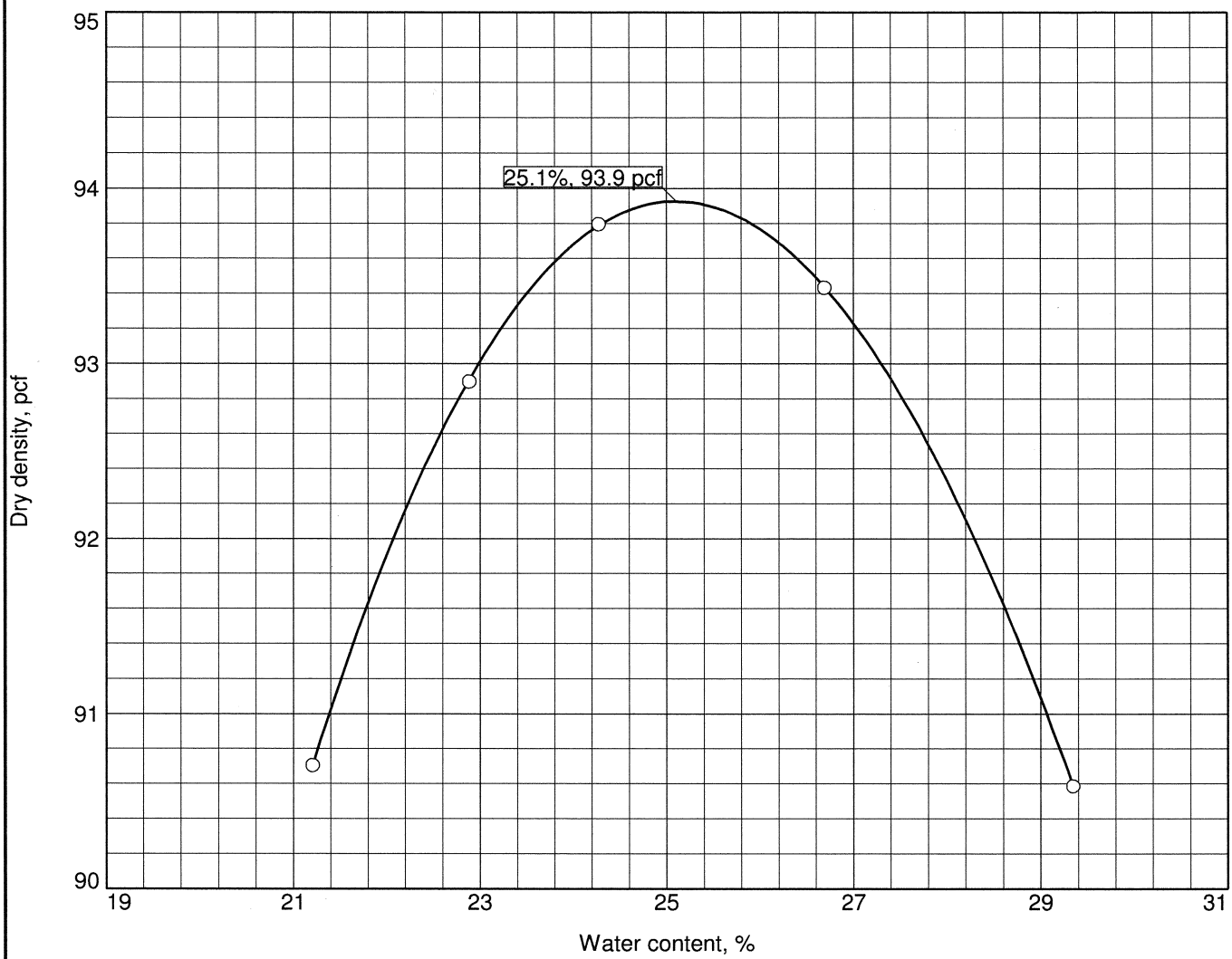
FROEHLING & ROBERTSON, INC.

Asheville, NC

Figure

Tested By: J. Bredow **Checked By:** T. Erickson

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
			27.1		INA	INA	2.0	47.0

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 93.9 pcf Optimum moisture = 25.1 %	Dark Brown silty SAND (SM) (visual)

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit (Orchard Soil) **Sample Number:** 8

Remarks:
Sample: BSOS #21
Source: On Site Borrow Pit (Orchard Soil)
Sample Date: 8-5-11

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Figure

Tested By: Jusin Bredow

COMPACTION TEST REPORT

Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
			38.0		INA	INA	1.9	49.2

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 89.9 pcf Optimum moisture = 27.1 %	Dark Brown silty SAND (SM) visual classification

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit **Sample Number:** 9

Remarks:
Sample: BSOS #24
Source: On Site Borrow Pit
Sample Date: 8-15-11

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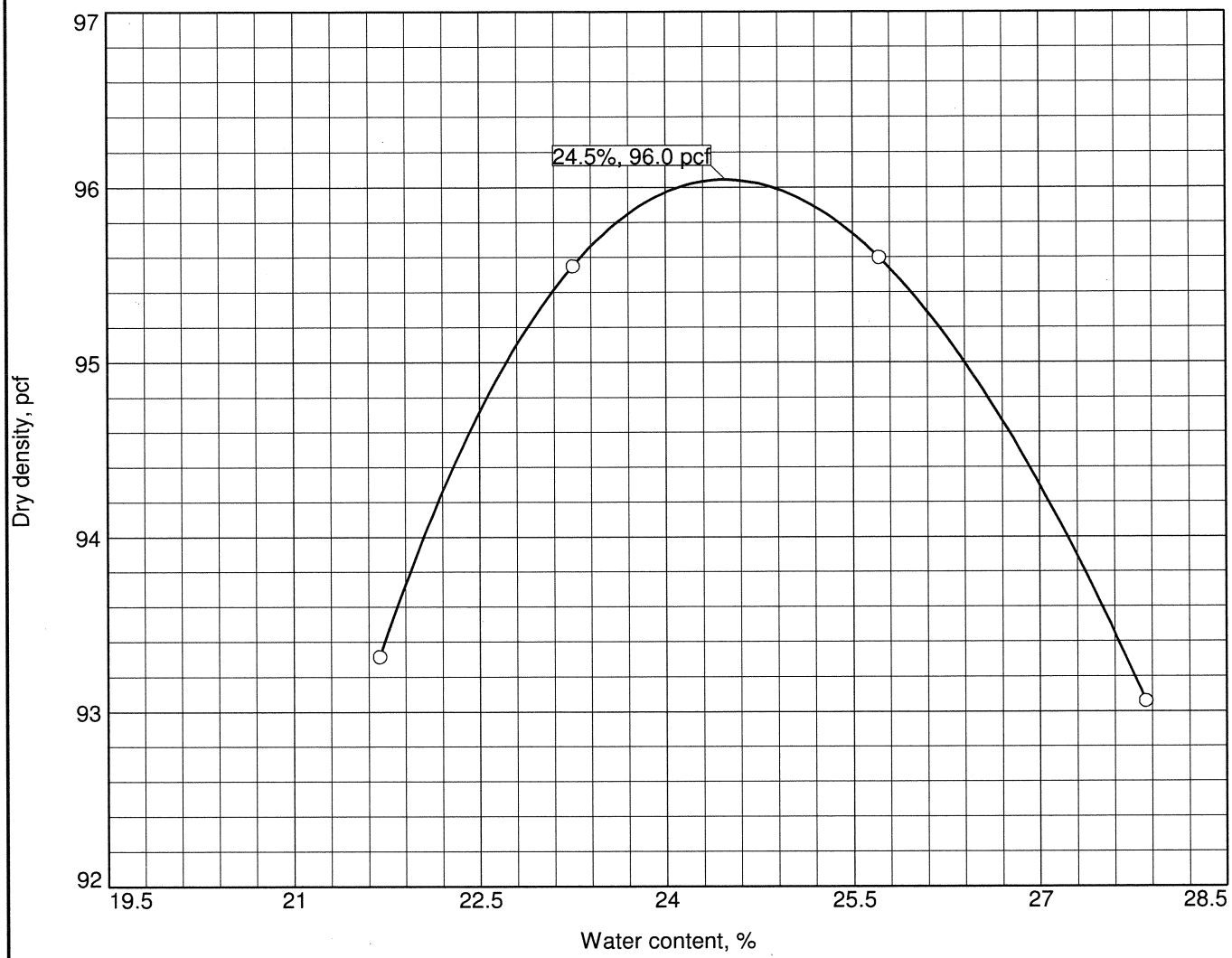
Figure

Tested By: Justin Bredow

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
			32.1		INA	INA	4.7	

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 96.0 pcf Optimum moisture = 24.5 %	Brown silty SAND (SM) visual classification

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit **Sample Number:** 10

Remarks:
Sample: BSOS #29
Source: On Site Borrow Pit
Sample Date: 8-15-11

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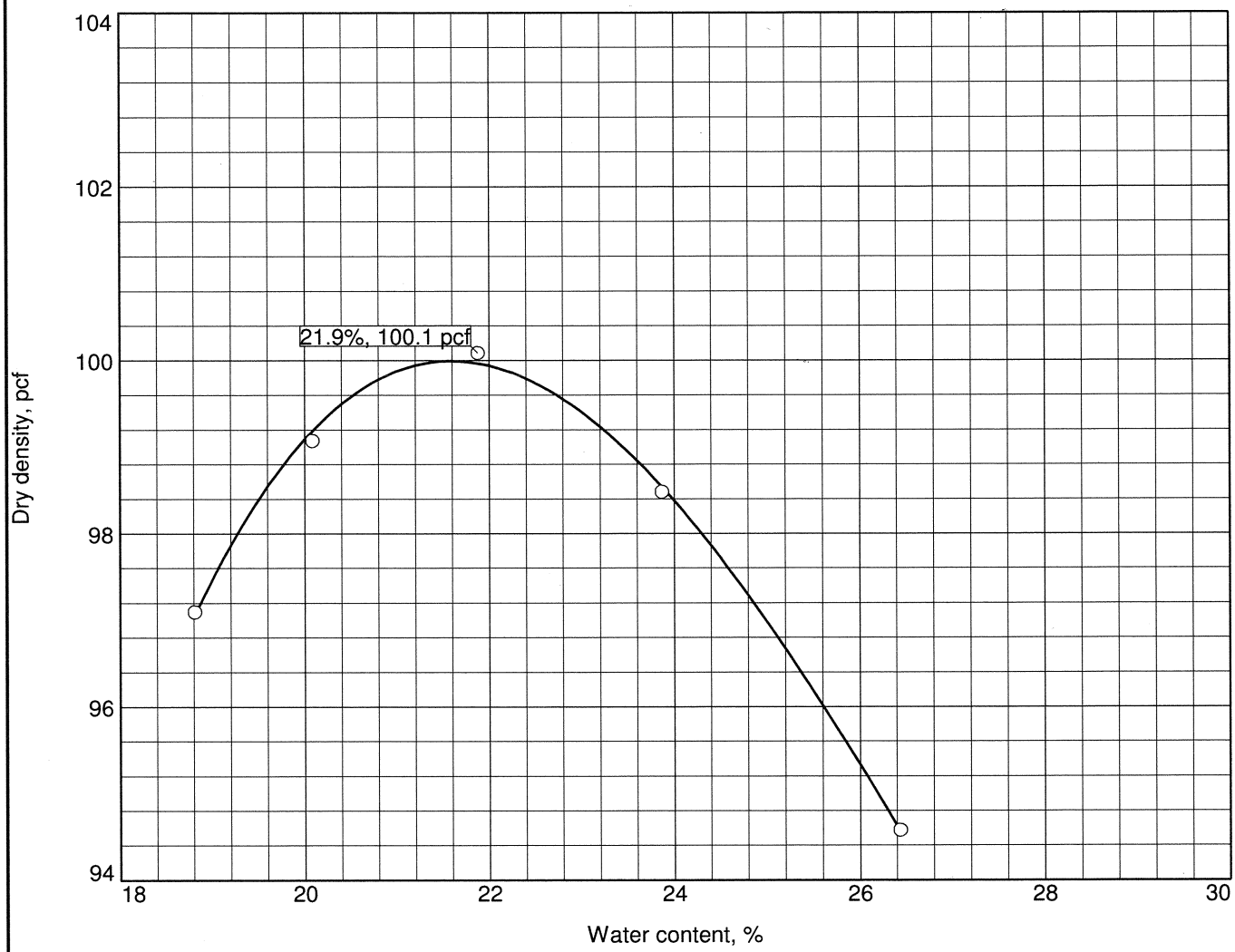
Figure

Tested By: Justin Bredow

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
	ML (visual)		22.8		INA	INA	6.4	

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 100.1 pcf Optimum moisture = 21.9 %	(organic) Brown sandy SILT (ML) (visual)

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit **Sample Number:** 13

Remarks:
Sample: BSOS #31
Source: On Site Borrow Pit
Sample Date: 9/16/11

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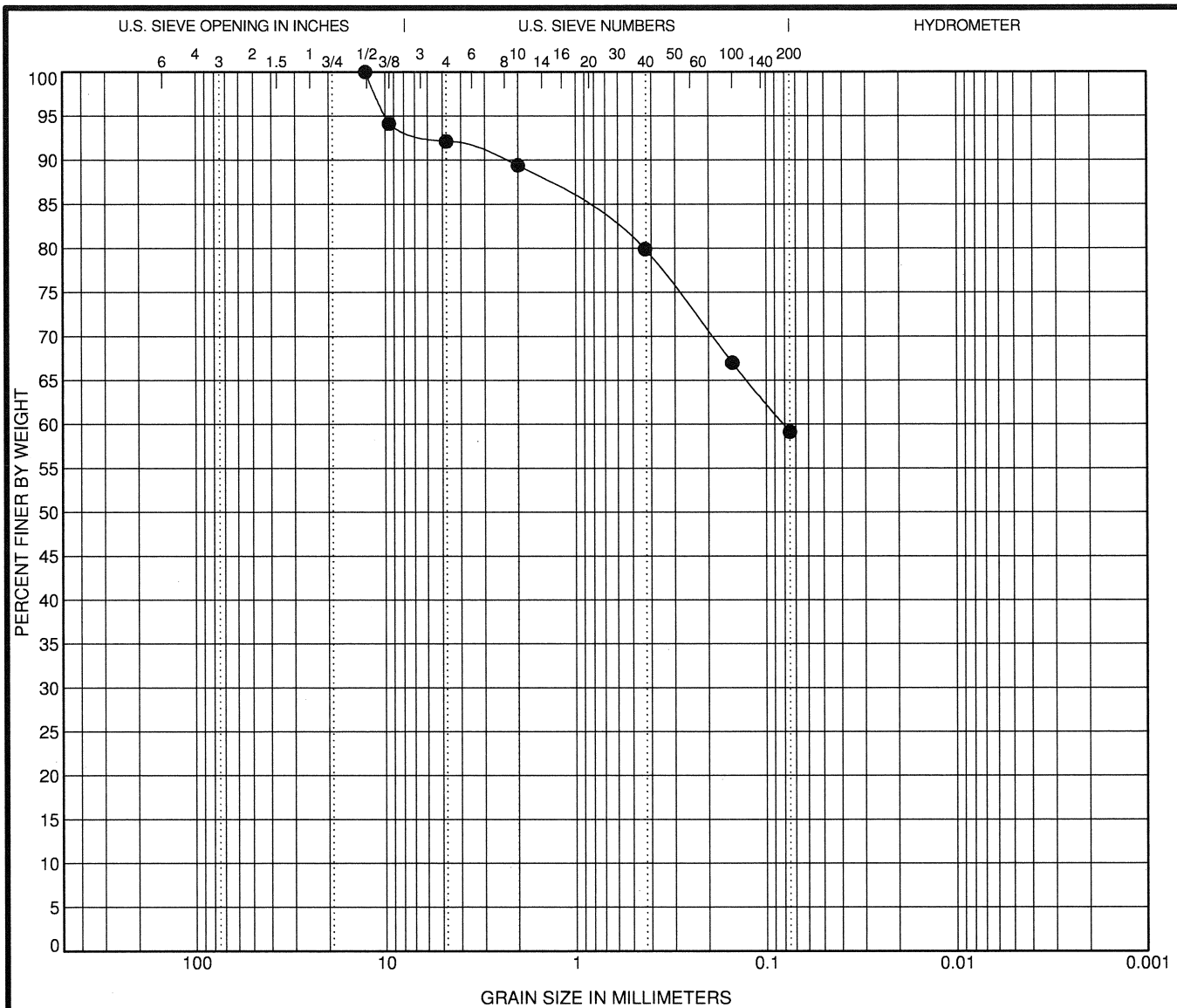
Figure

Tested By: Justin Bredow



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Classification	LL	PL	PI	Cc	Cu
●	BSOS-01	SANDY FAT CLAY (CH)	71	27	44		

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-01	12.7	0.081			7.9	33.0	59.1	

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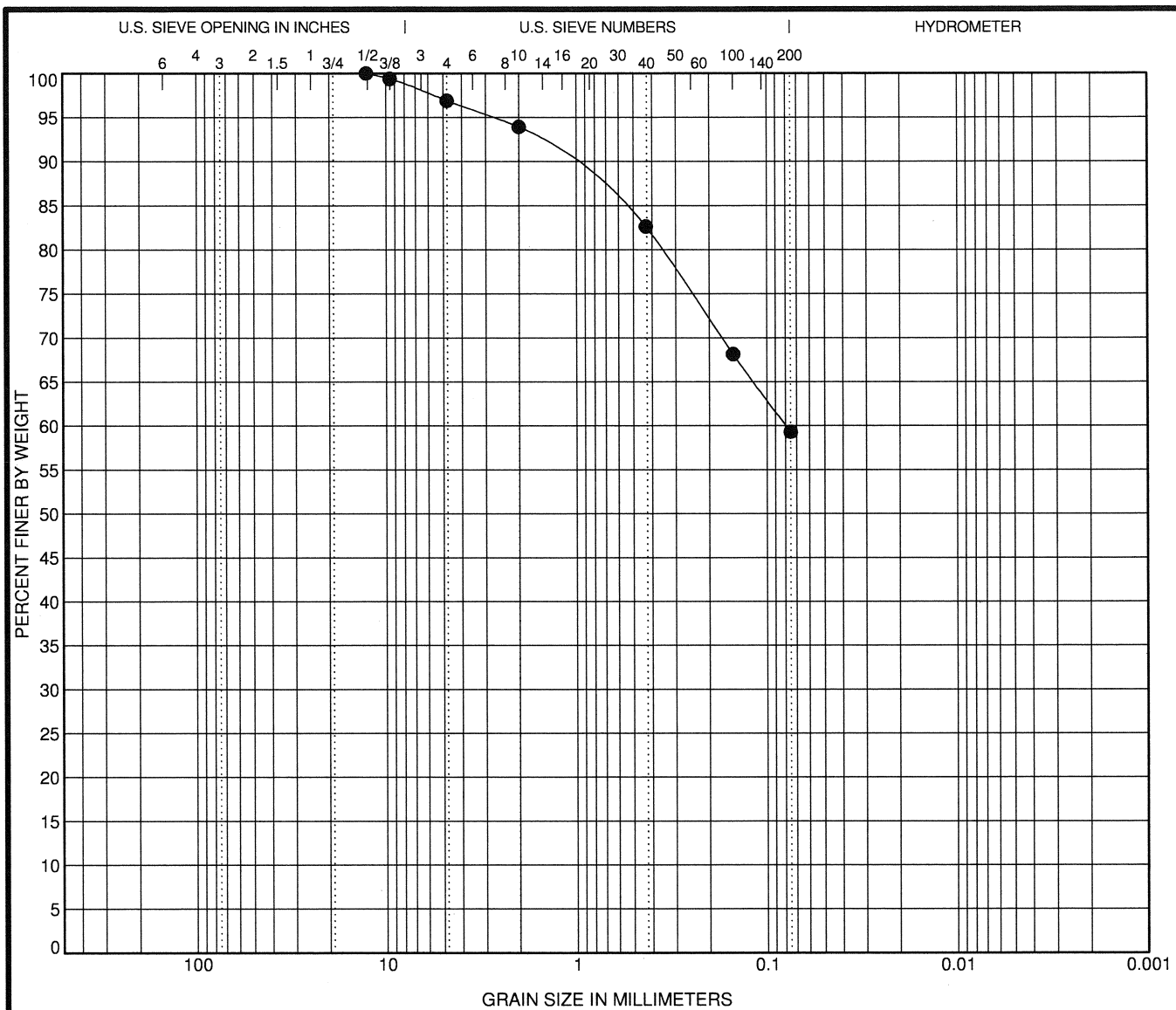
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 6-29-11

US GRAIN SIZE 70N-0036.GPJ F&R.GDT 8/29/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Classification	LL	PL	PI	Cc	Cu
●	BSOS-02	SANDY SILT (ML)	38	25	13		

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-02	12.7	0.079			3.1	37.6	59.3	

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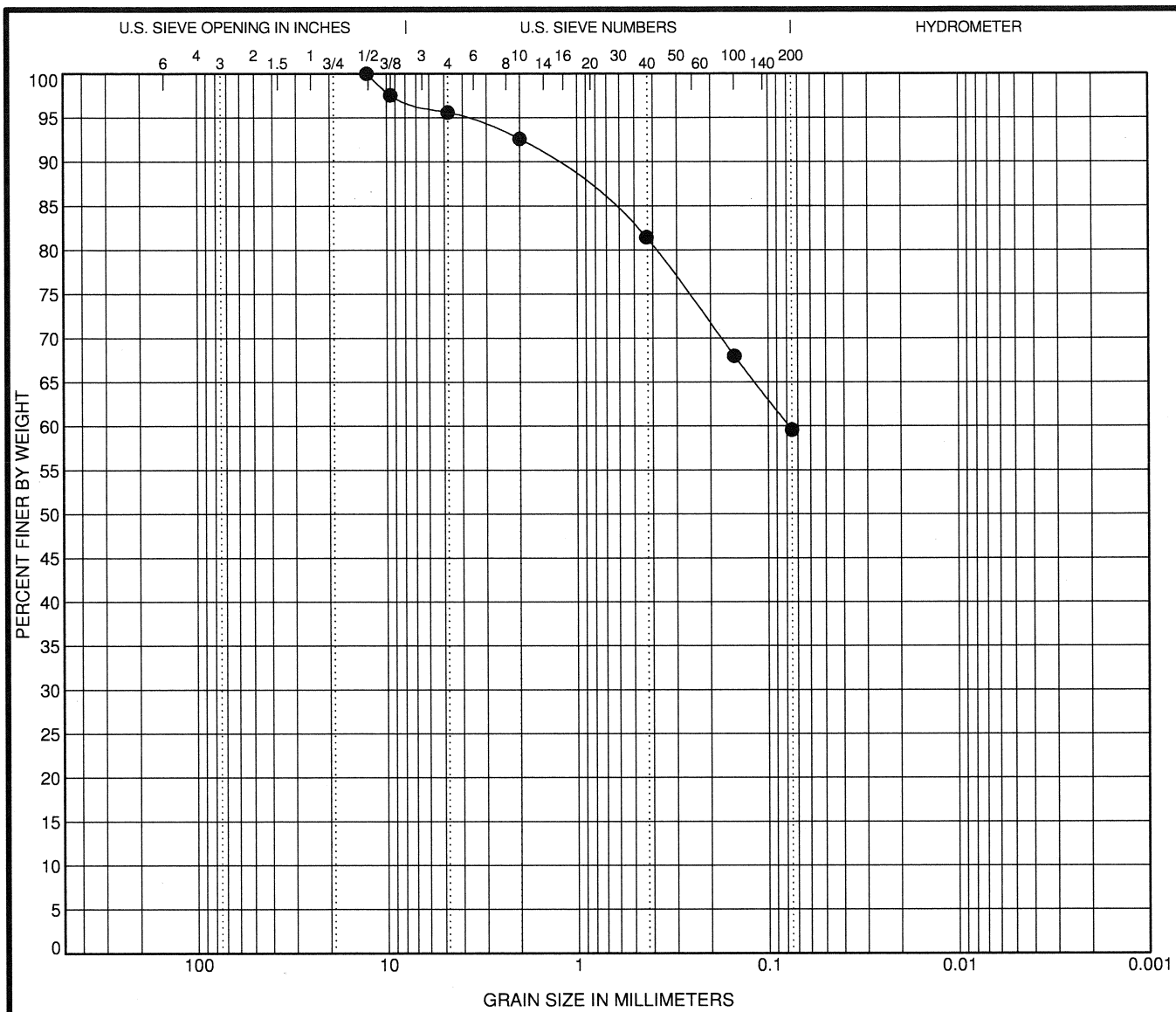
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 6-30-11

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 8/29/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-3	Dark brown sandy lean CLAY (CL) with organic material					
		Natural Water Content - 27.4%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-3	12.7	0.078			4.4	36.0	59.6	

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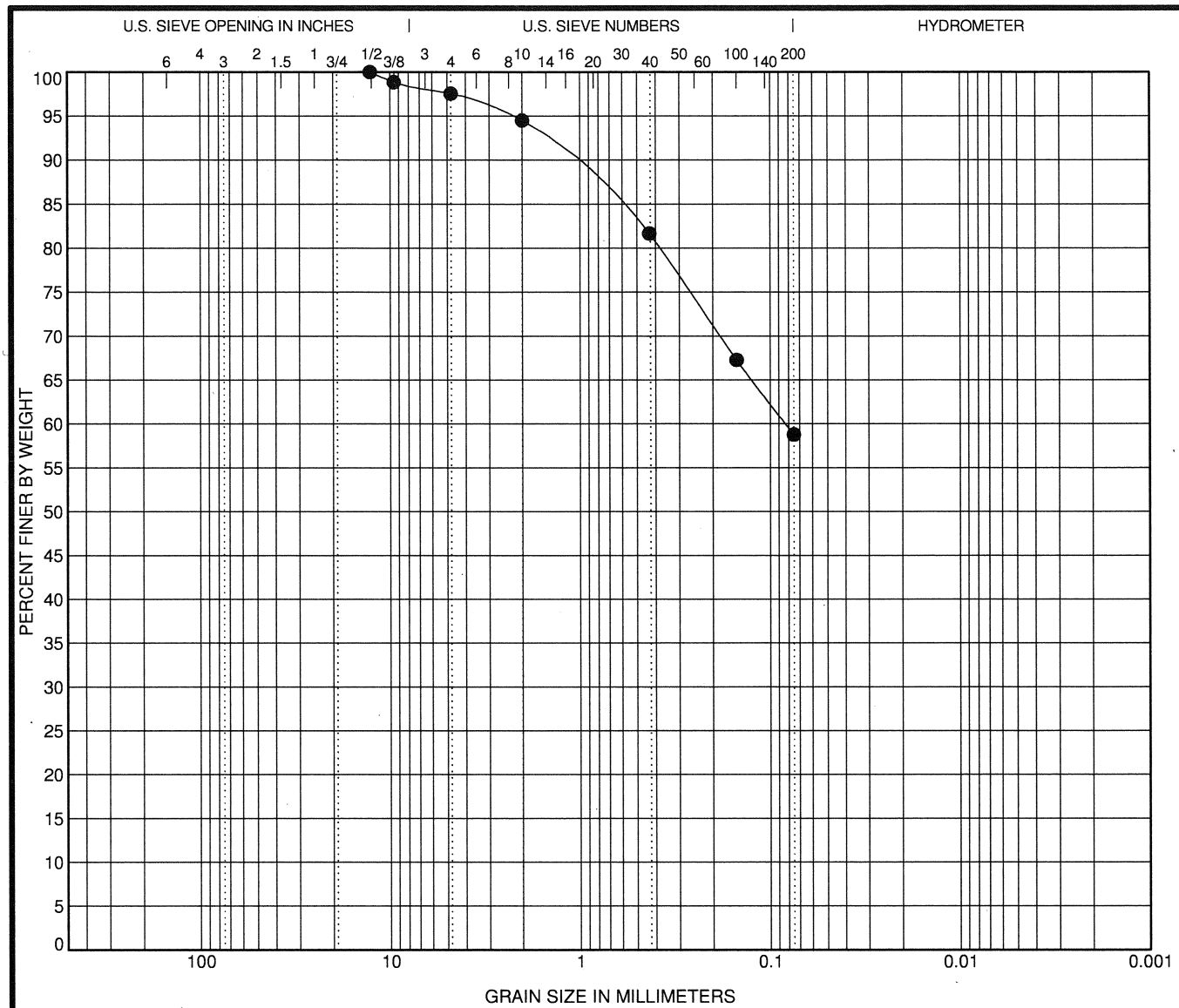
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 7-18-11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-4	Dark brown sandy lean CLAY (CL) with organic material					
		Natural Water Content - 35.7%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-4	12.7	0.083			2.5	38.8	58.8	

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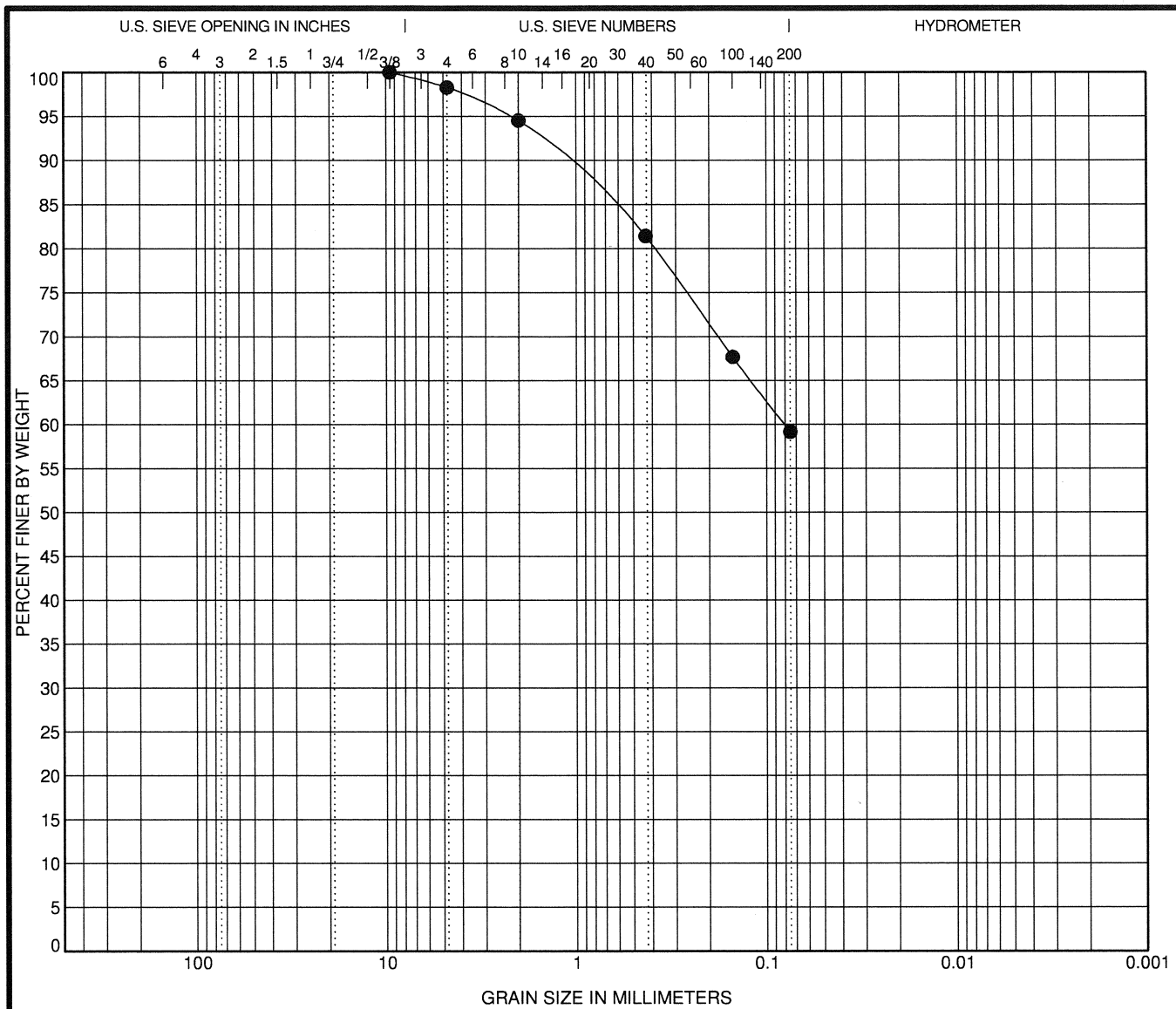
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 7-18-11

US GRAIN SIZE 70N-0036.GPJ F&R.GDT 7/22/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-5	Dark brown sandy SILT (ML) with organic material					
		Natural Water Content - 32.3%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-5	9.52	0.08			1.7	39.1	59.2	

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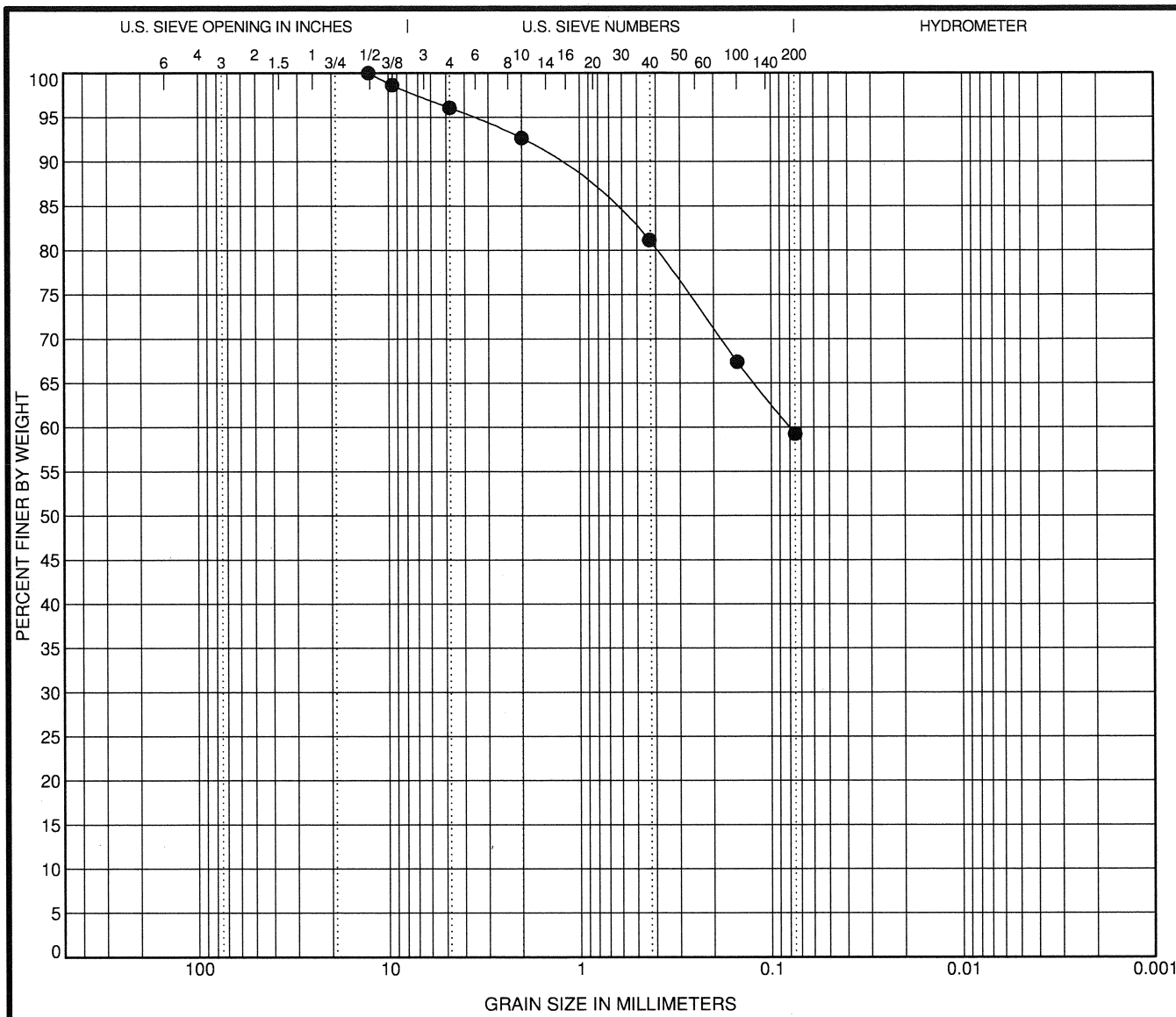
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 7-18-11

US GRAIN SIZE 70N-0036.GPJ F&R.GDT 7/22/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-06	Dark Brown Organic Laden Soil					
		Water Content = 24.0%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-06	12.7	0.08			3.9	36.8	59.3	

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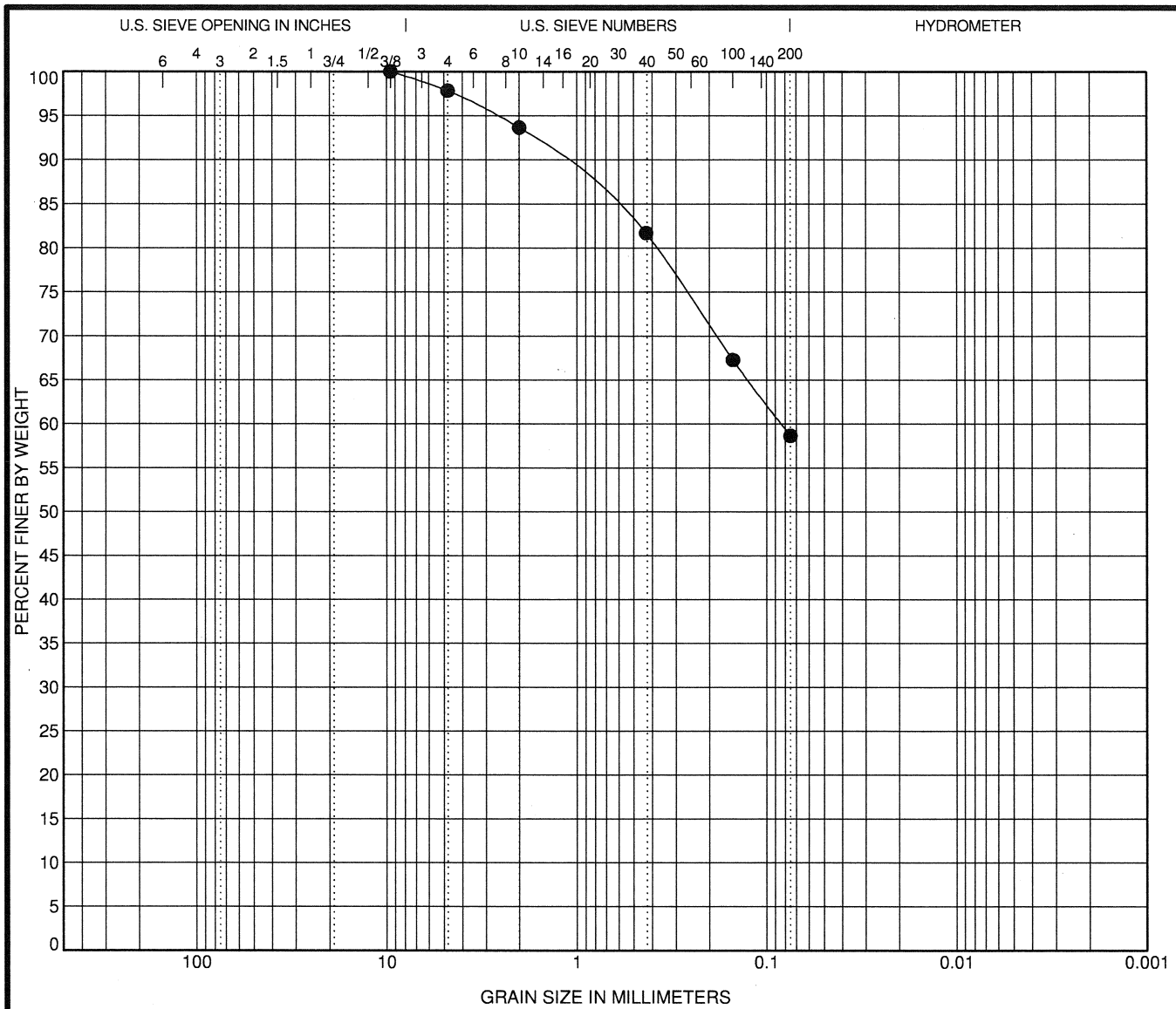
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 7-22-11

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 8/12/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-07	Dark Brown Organic Laden Soil					
		Water Content = 26.8%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-07	9.52	0.083			2.2	39.2	58.7	

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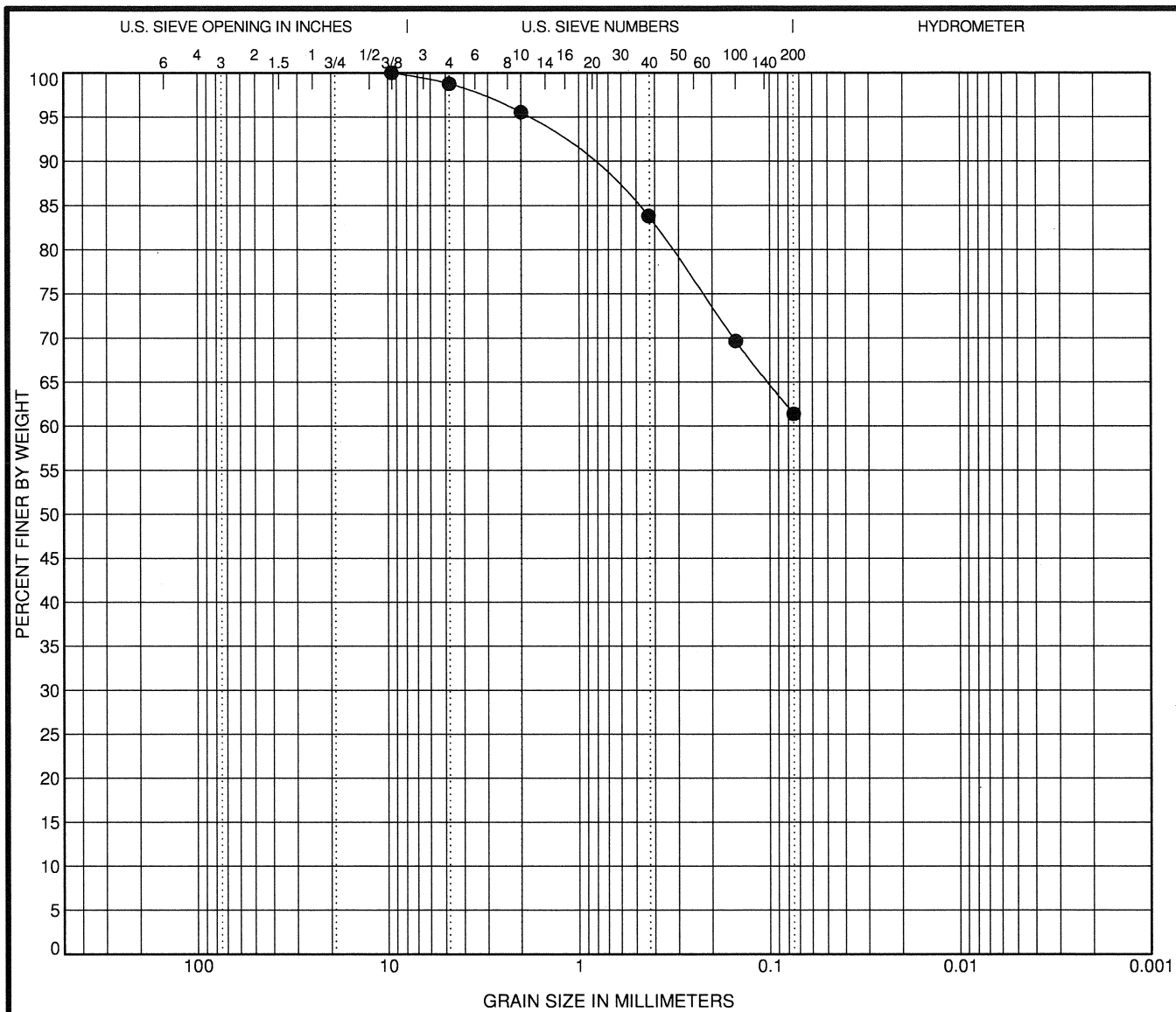
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 7-22-11

US GRAIN SIZE 70N-0036.GPJ F&R.GDT 8/12/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-08	Dark Brown Organic Laden Soil					
		Water Content = 25.0%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-08	9.52				1.2	37.4	61.4	

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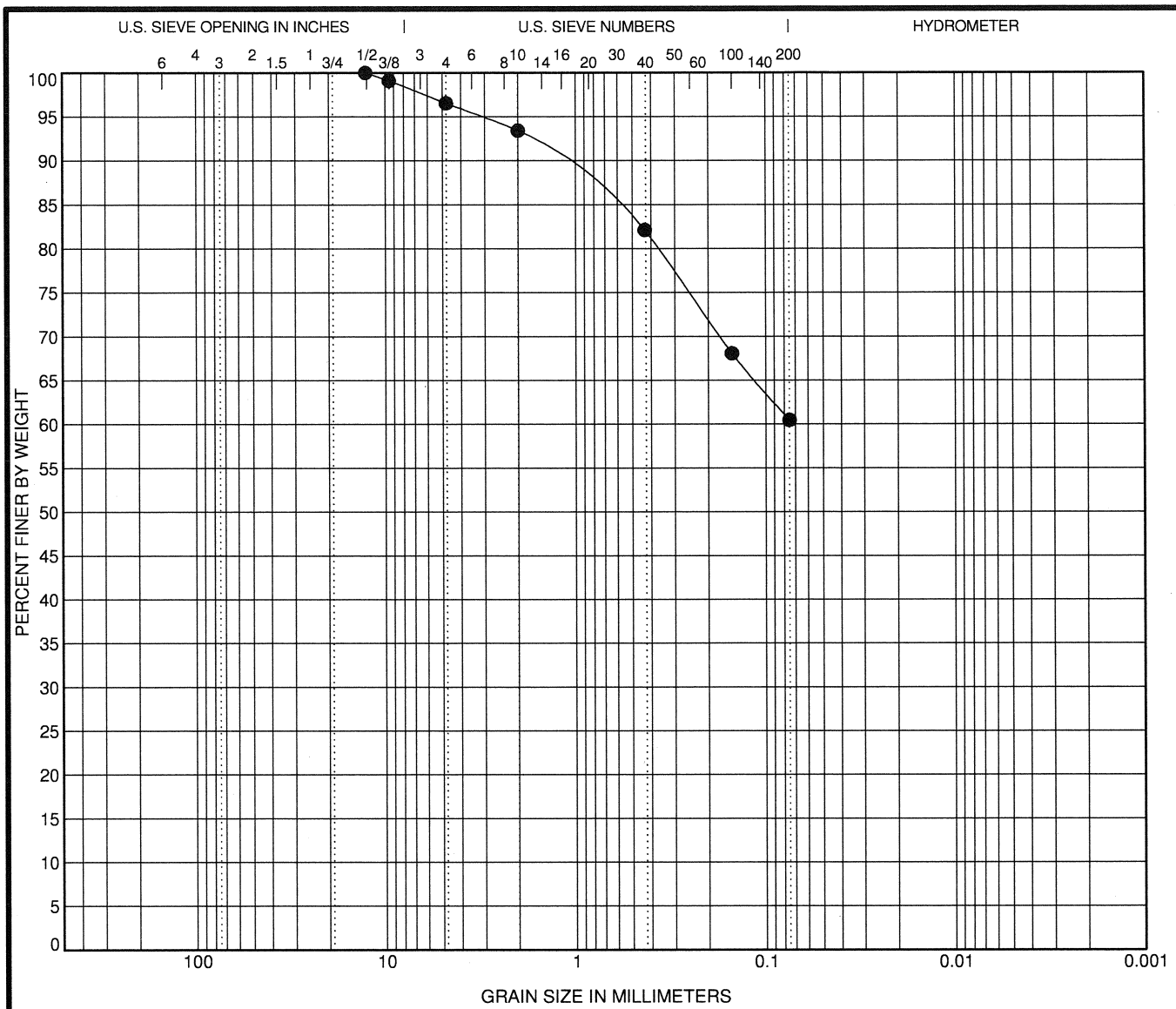
Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 7-22-11

US GRAIN SIZE 70N-0036.GPJ F&R.GDT 8/12/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-09	Dark Brown Organic Laden Soil					
		Water Content = 19.4%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-09	12.7				3.5	36.1	60.5	

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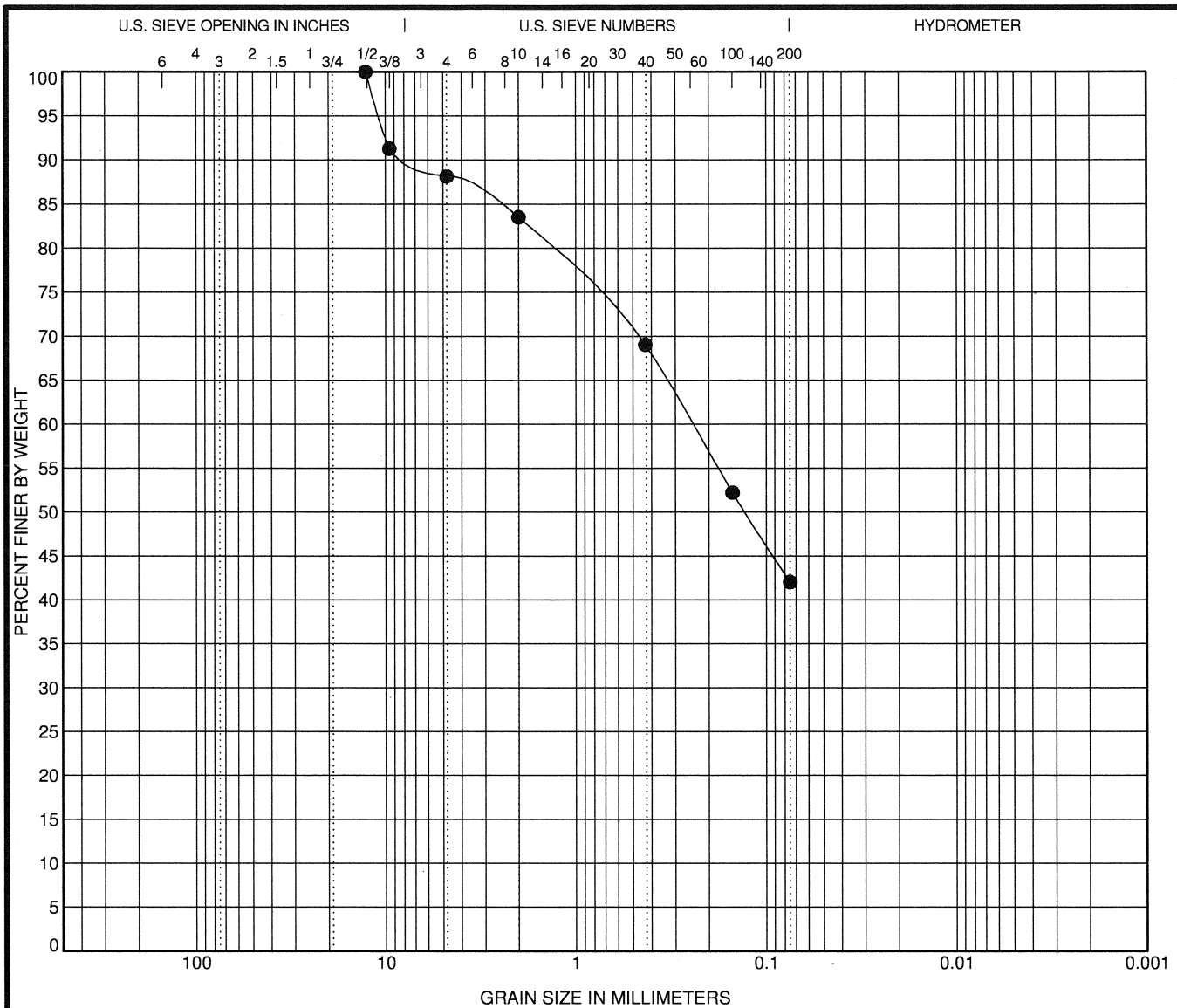
Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 8-1-11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-10	Dark Brown Organic Laden Soil					
		Water Content = 28.2%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-10	12.7	0.244			11.9	46.1	42.0	

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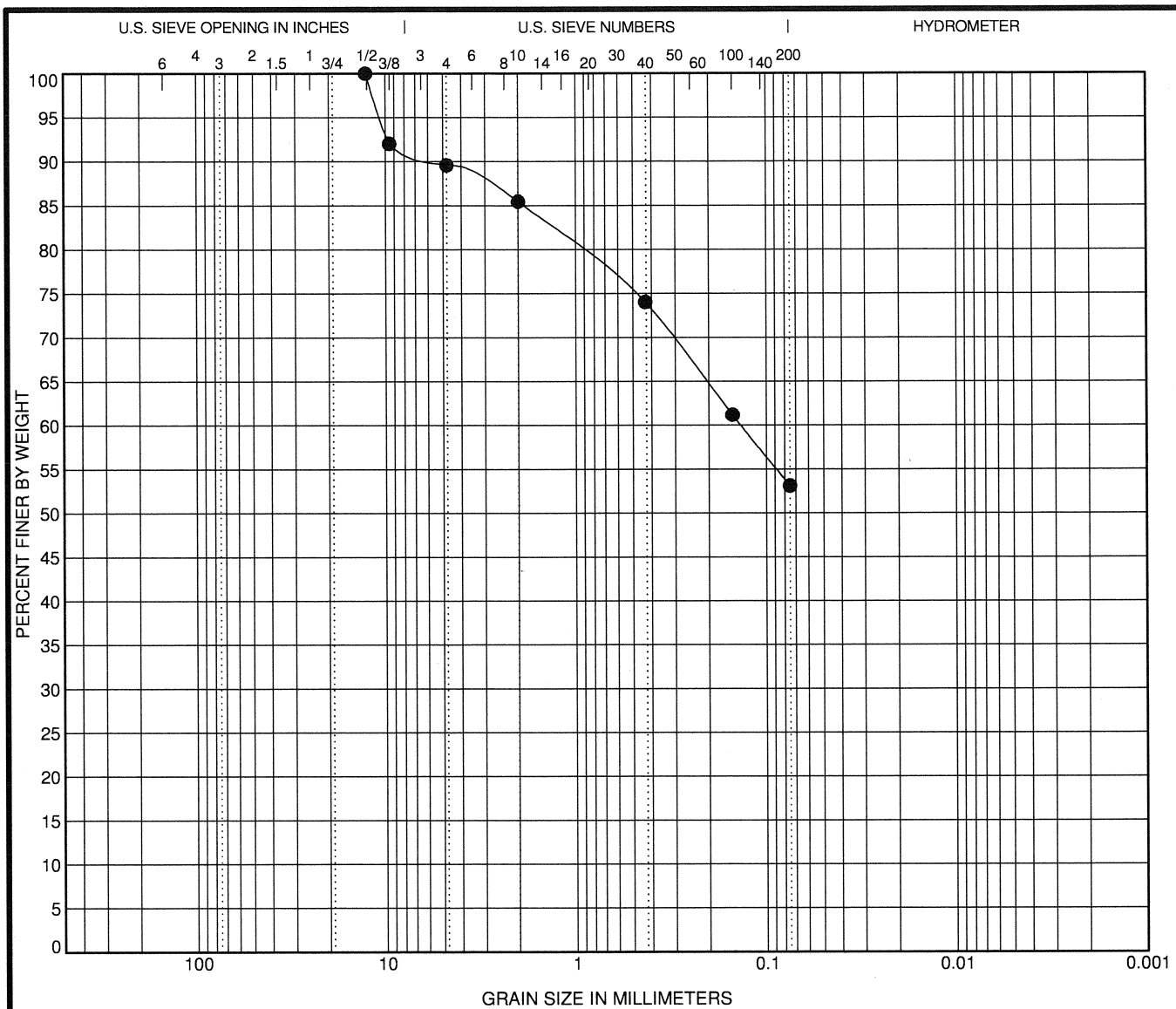
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 8-1-11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-11	Dark Brown Organic Laden Soil					
		Water Content = 25.7					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-11	12.7	0.135			10.4	36.5	53.1	

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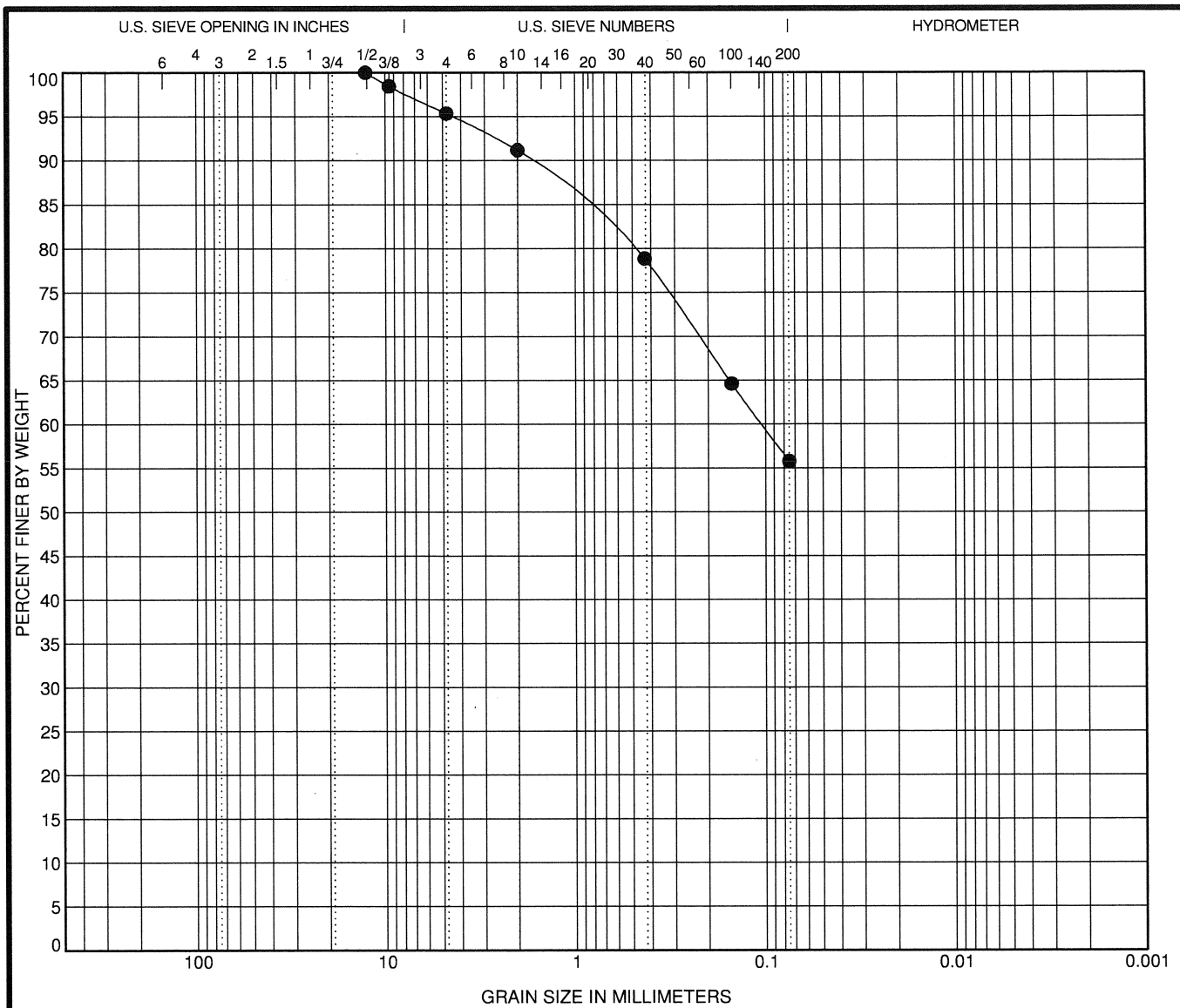
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 8-1-11

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 8/9/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-12	Dark Brown Organic Laden Soil					
		Water Content = 27.0					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-12	12.7	0.104			4.7	39.6	55.8	

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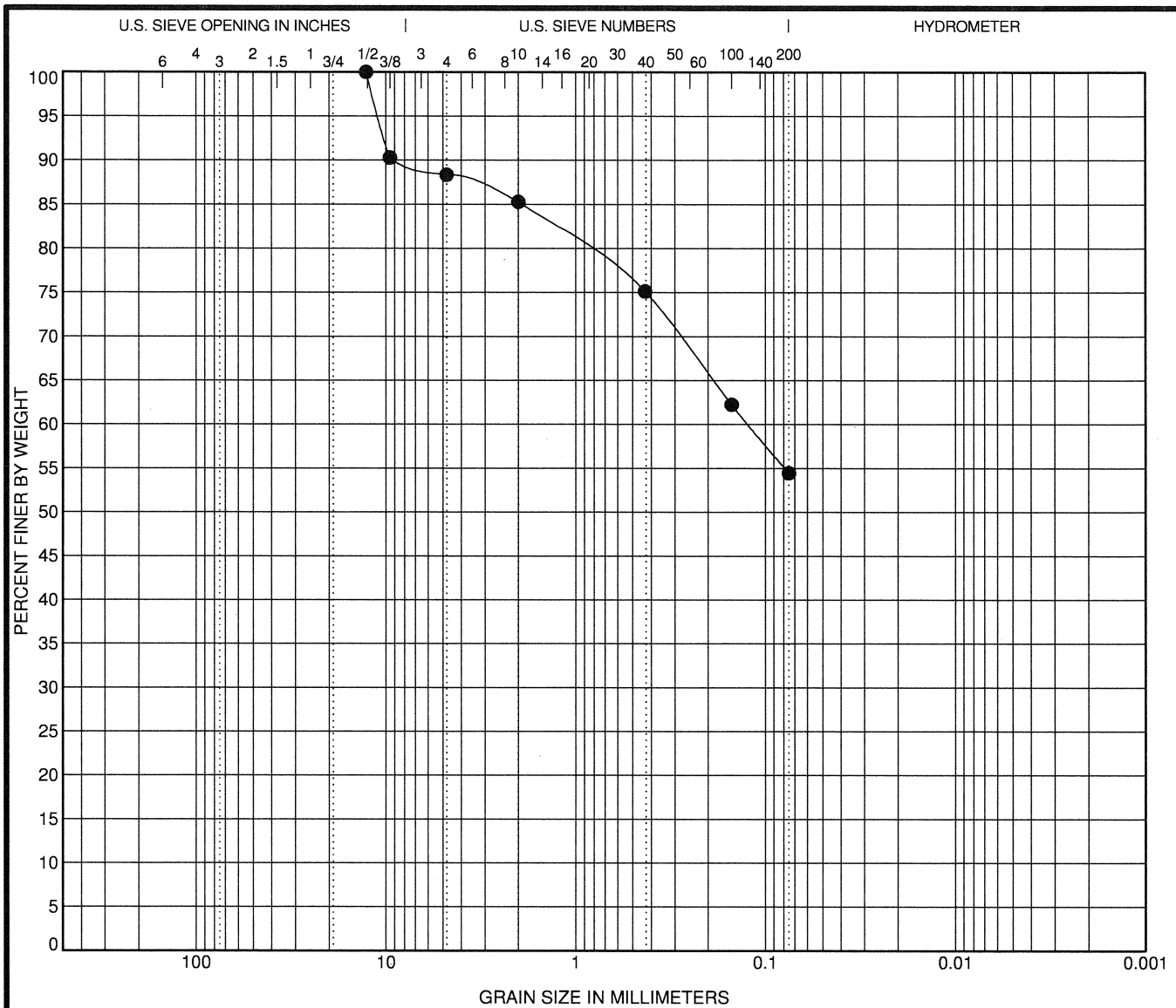
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 8-1-11

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 8/9/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-13	Dark Brown Organic Laden Soil					
		Water Content = 22.5%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-13	12.7	0.123			11.6	33.9	54.5	

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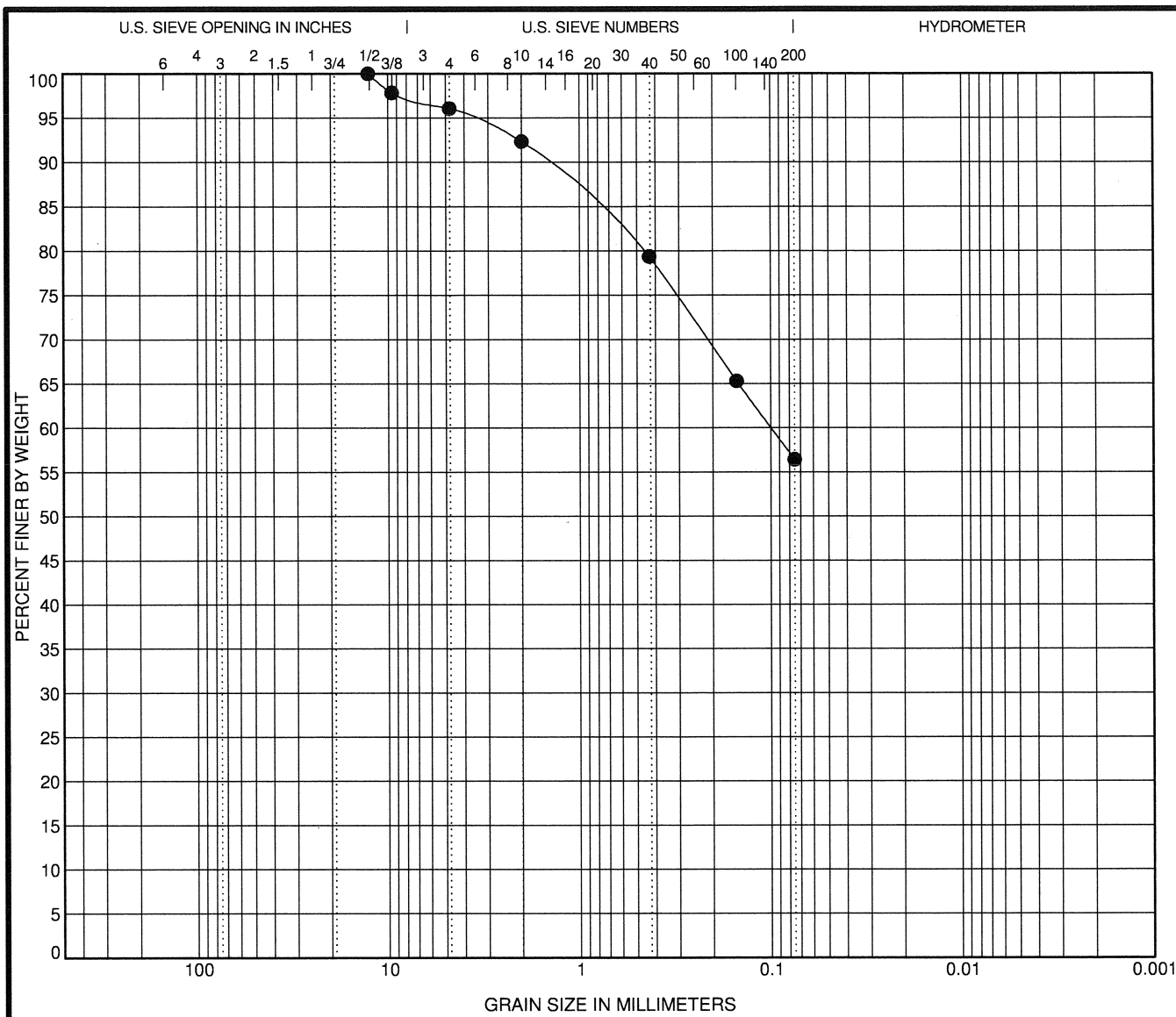
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 8-1-11

US GRAIN SIZE 70N-0036.GPJ F&R.GDT 8/9/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-14	Dark Brown Organic Laden Soil					
		Water Content = 26.1%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-14	12.7	0.099			3.9	39.6	56.4	

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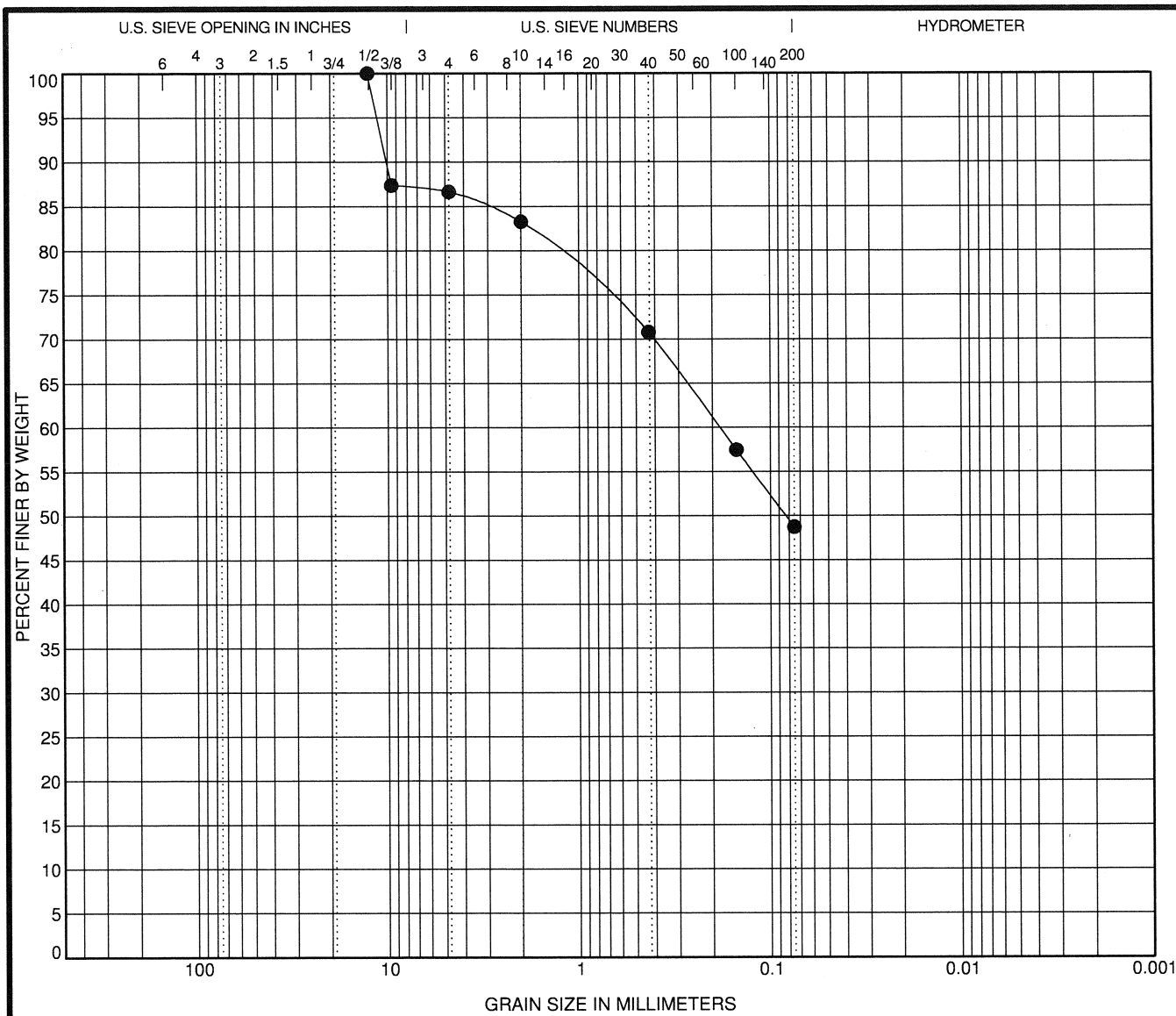

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
● BSOS-15	Dark Brown Organic Laden Soil					
	Water Content = 25.7%					

Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● BSOS-15	12.7	0.183			13.4	37.9	48.7	

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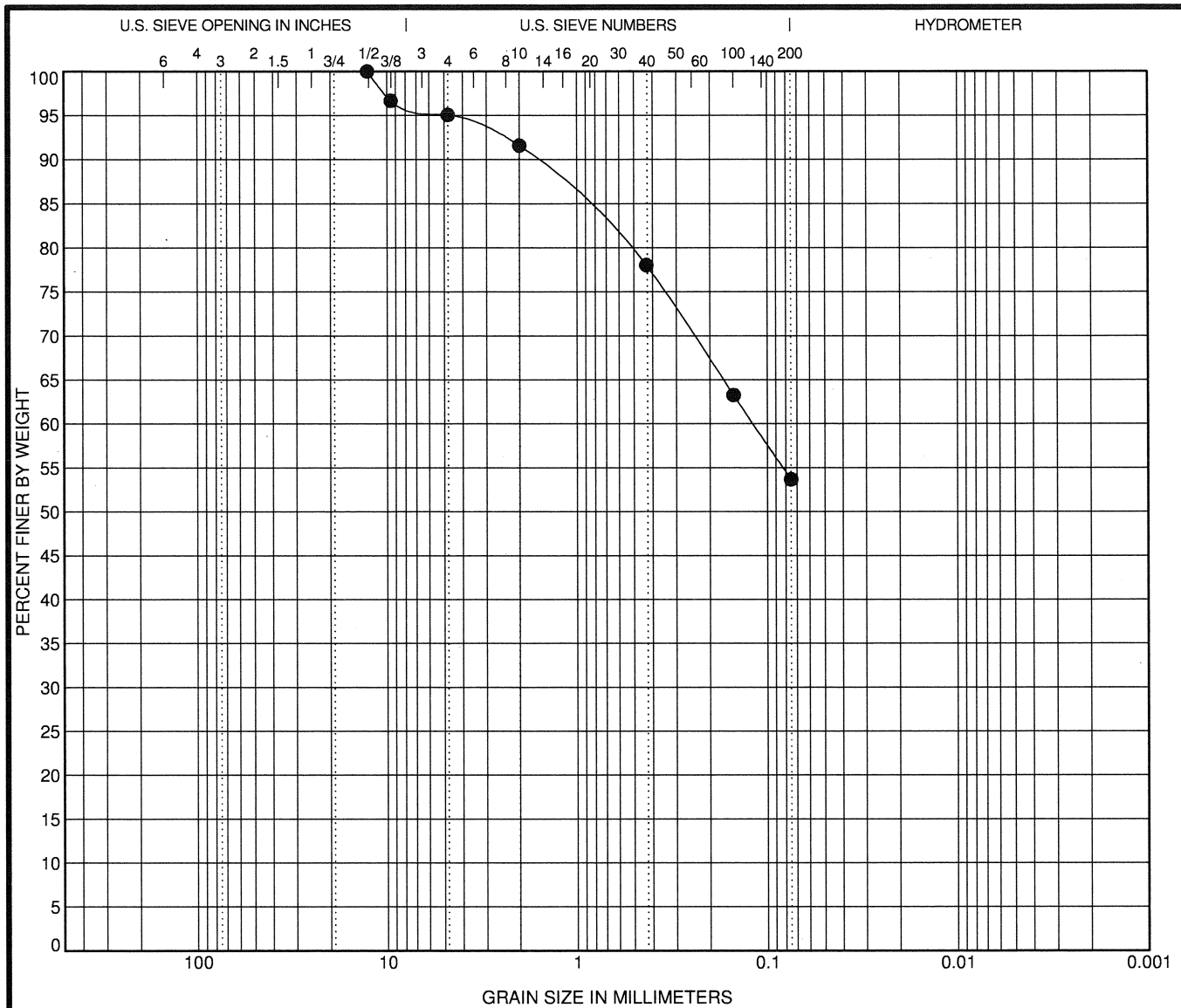

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-16	Dark Brown Organic Laden Soil					
		Water Content = 28.3%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-16	12.7	0.118			4.9	41.4	53.7	

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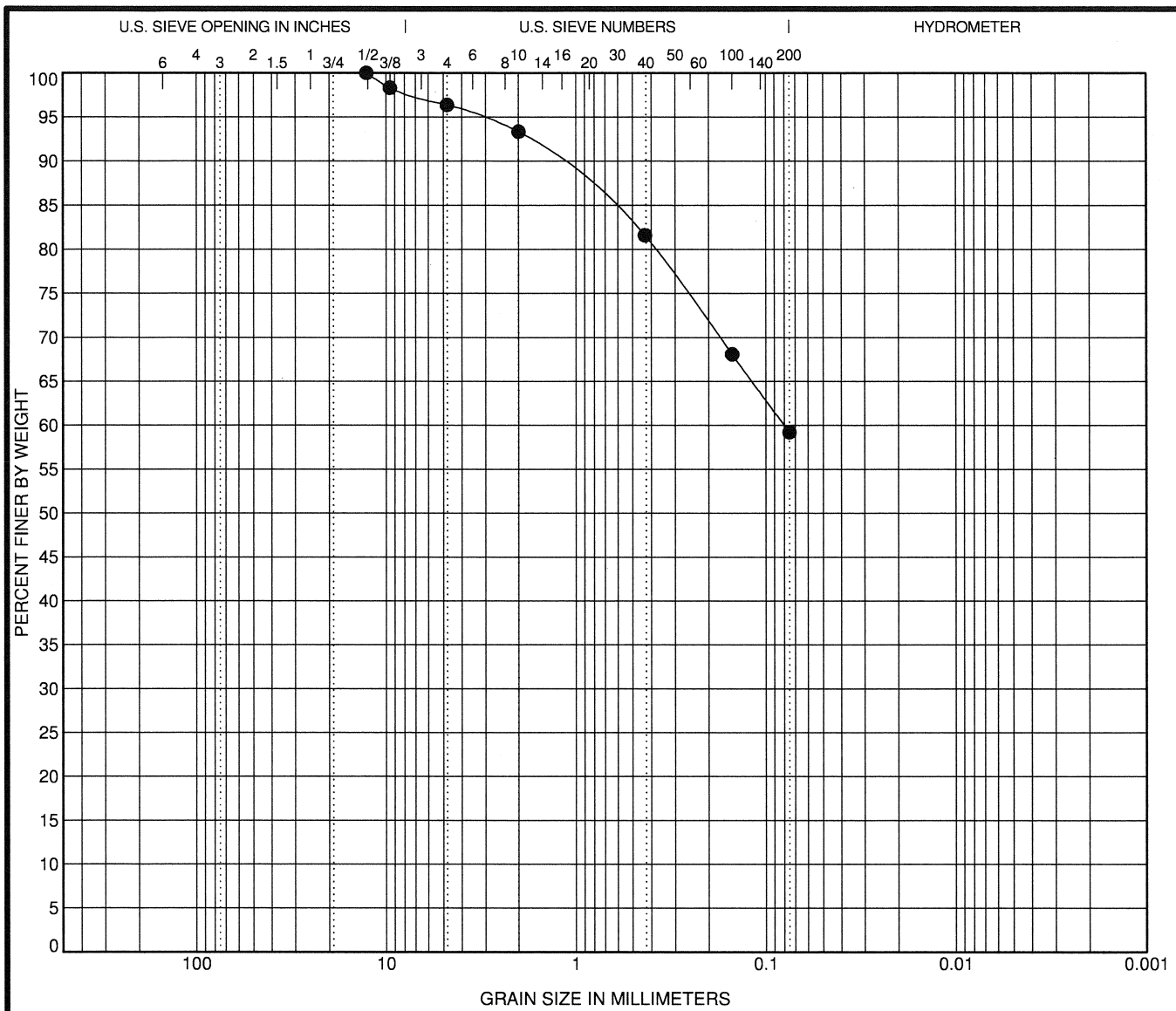
US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 8/9/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-17	Dark Brown Sandy SILT					
		Water Content = 31.0%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-17	12.7	0.08			3.6	37.1	59.2	

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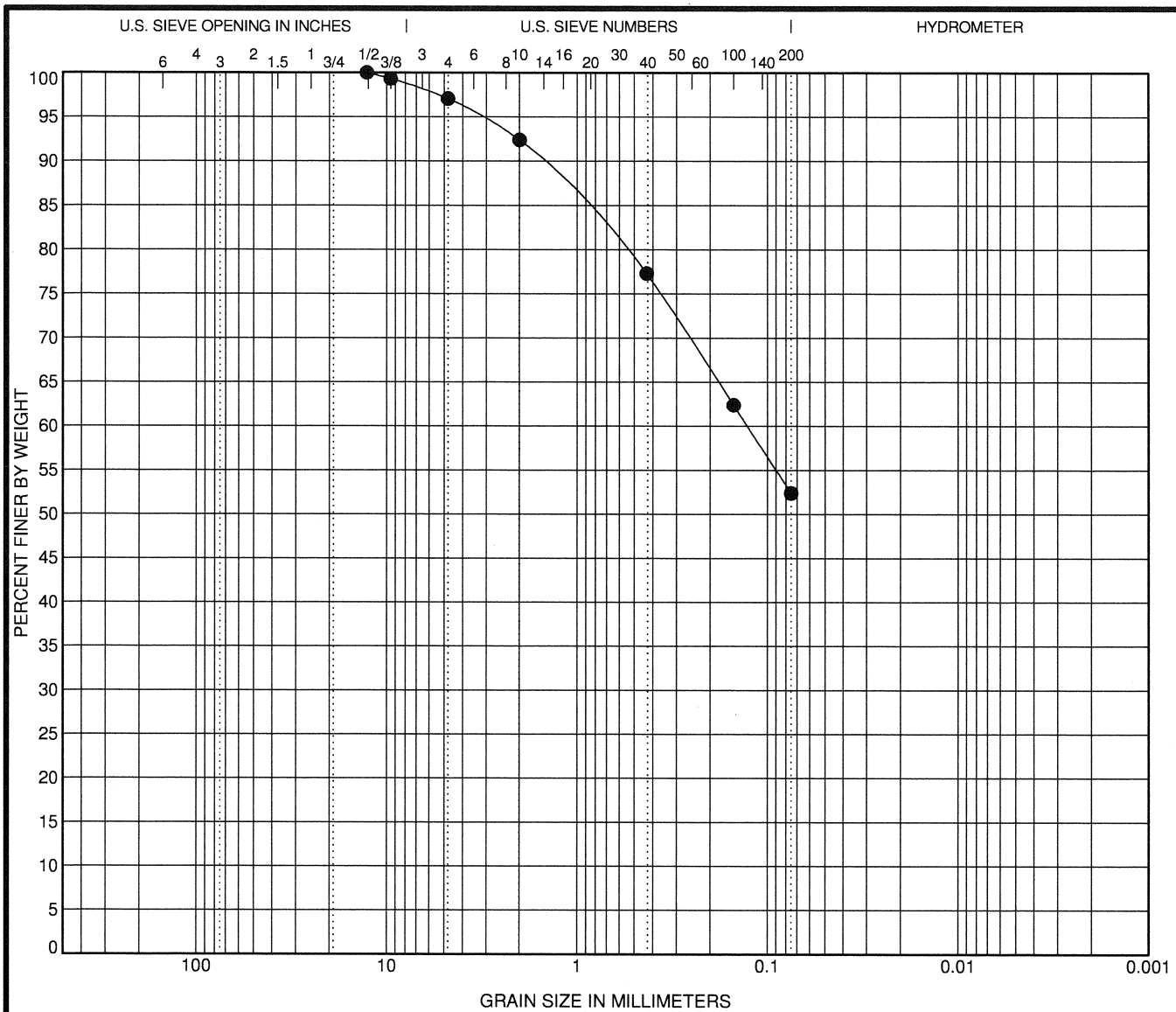
GRAIN SIZE DISTRIBUTION

Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 8-10-11

US GRAIN SIZE 70N-0036.GPJ F&R.GDT 8/17/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-18	Dark Brown Sandy Silt					
		Water Content = 33.5%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-18	12.7	0.127			3.0	44.6	52.4	

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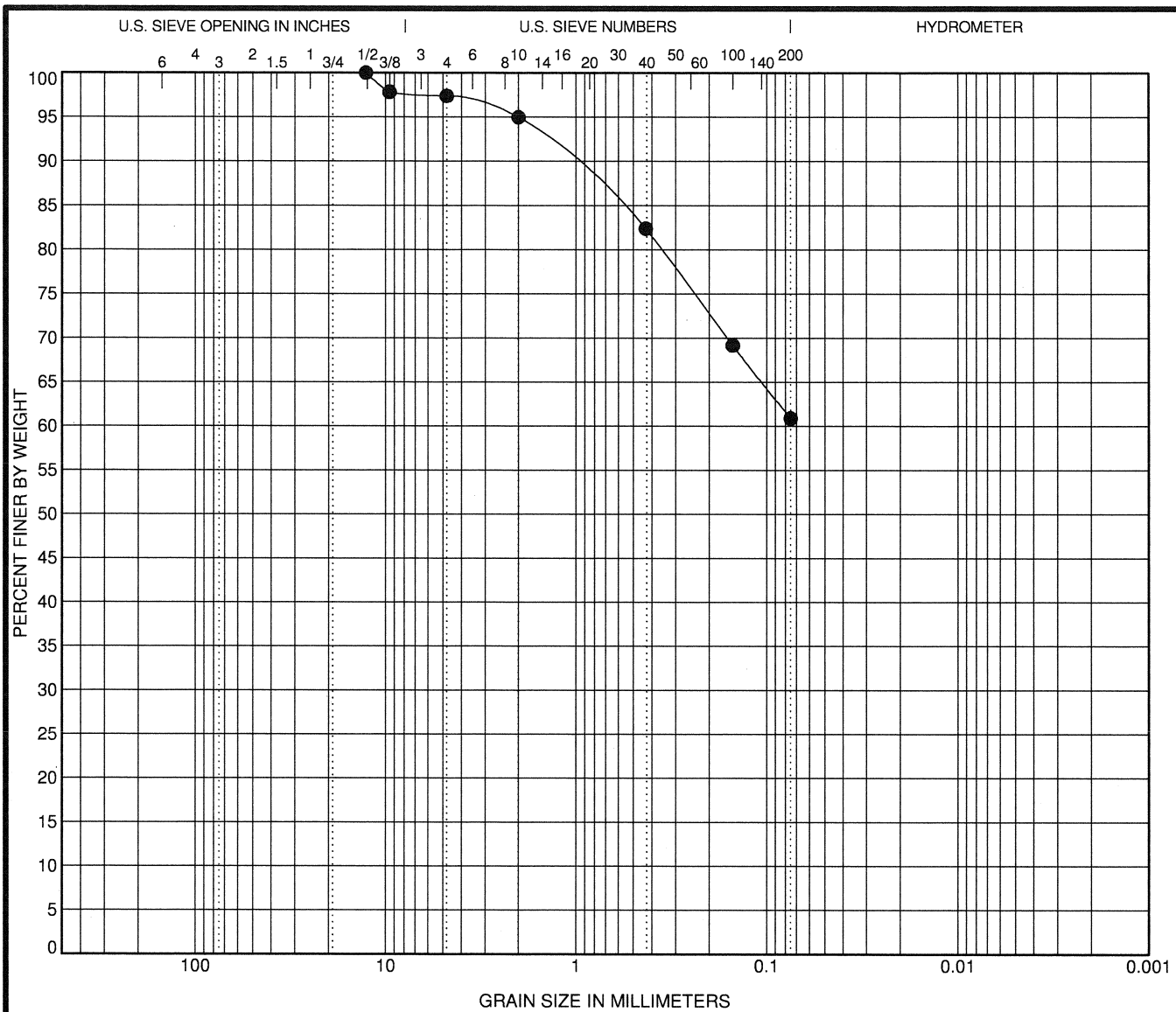

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-19	Dark Brown Sandy Silt					
		Water Content = 30.9%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-19	12.7				2.6	36.5	60.9	

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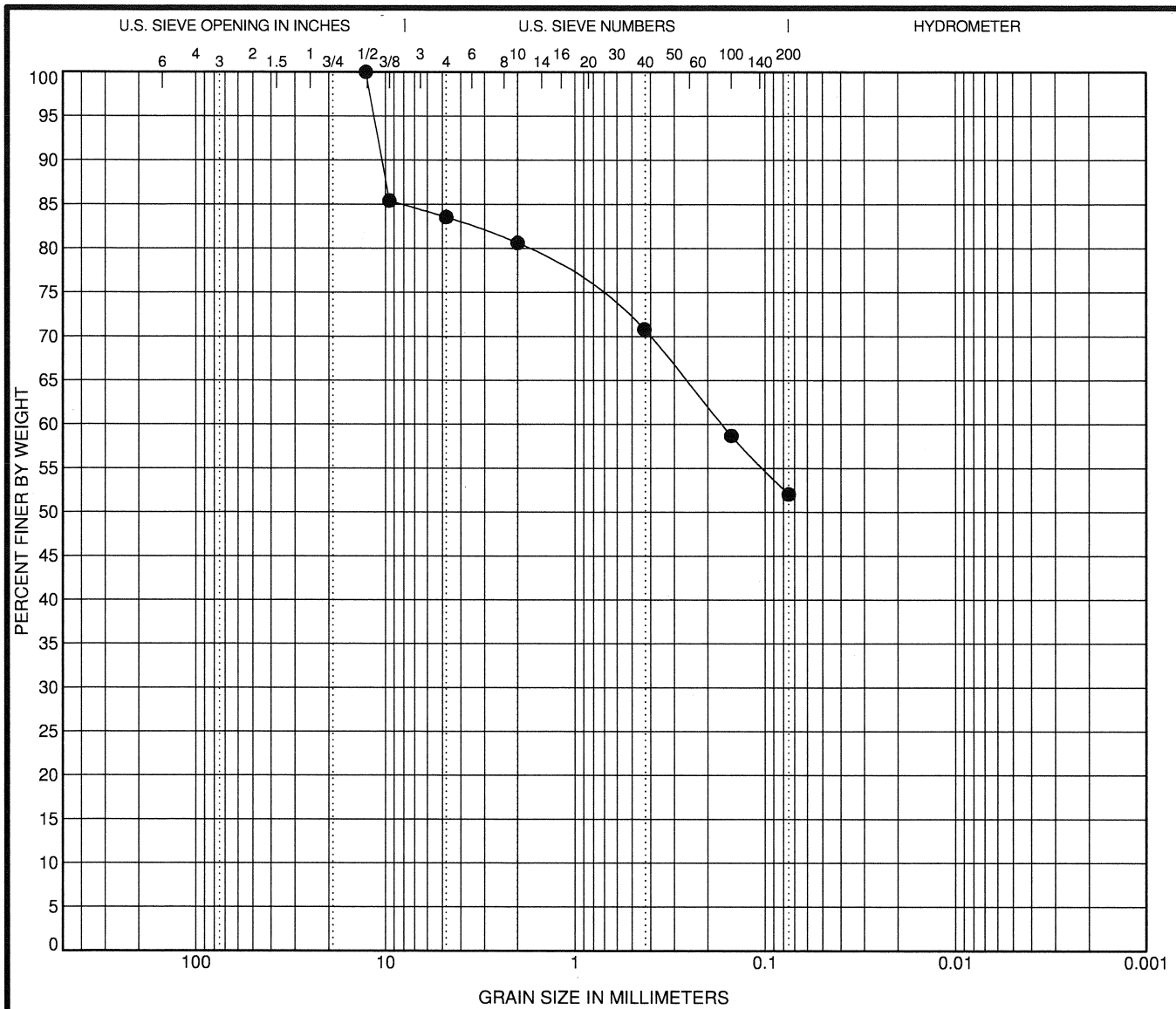

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-20	Dark Brown Sandy Silt					
		Water Content = 23.6%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-20	12.7	0.168			16.5	31.5	52.1	

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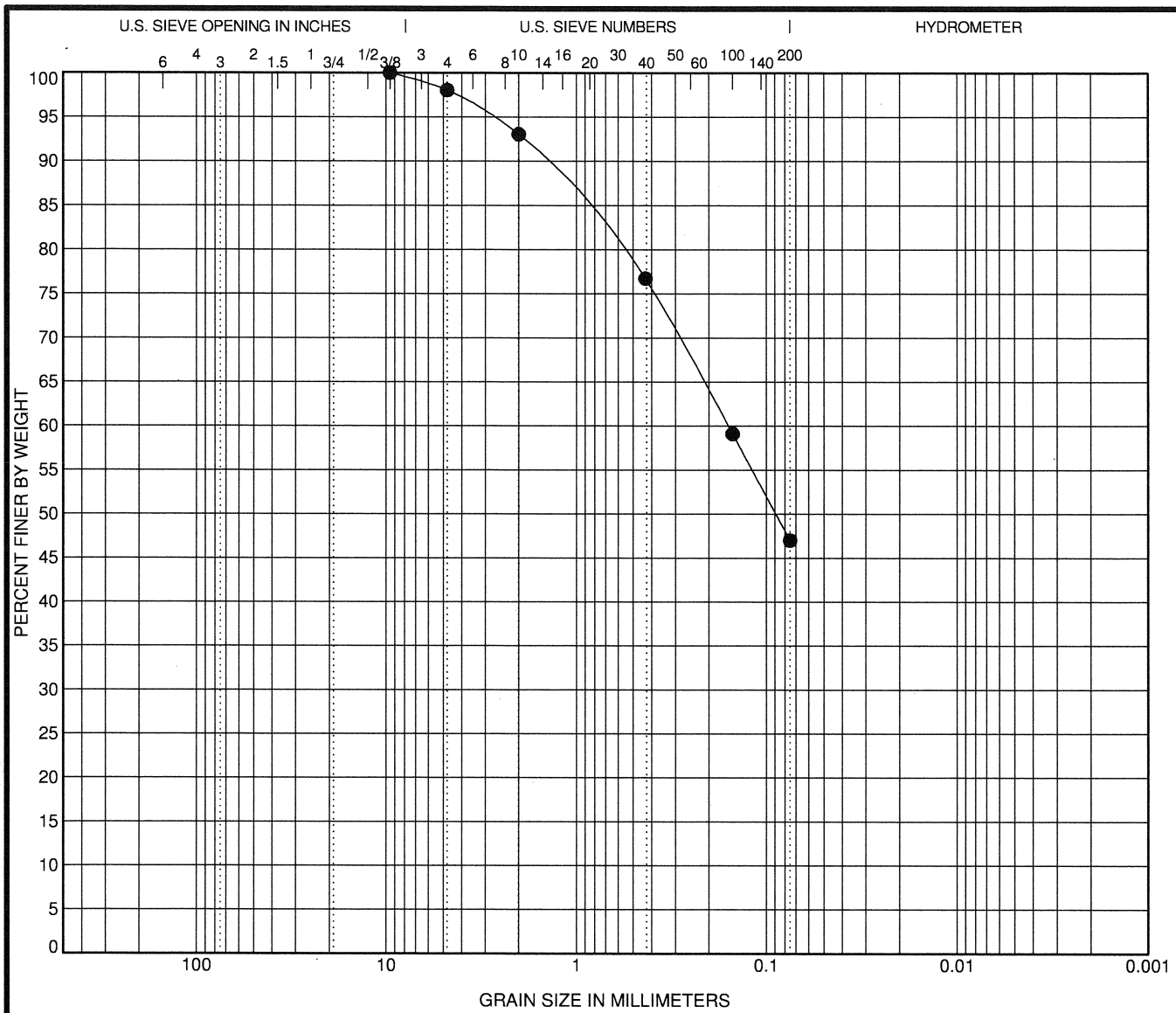
Location: Canton, North Carolina
Date: 8-10-11

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 8/17/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-21	Dark Brown Silty Sand					
		Water Content = 24.5%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-21	9.52	0.158			2.0	51.0	47.0	

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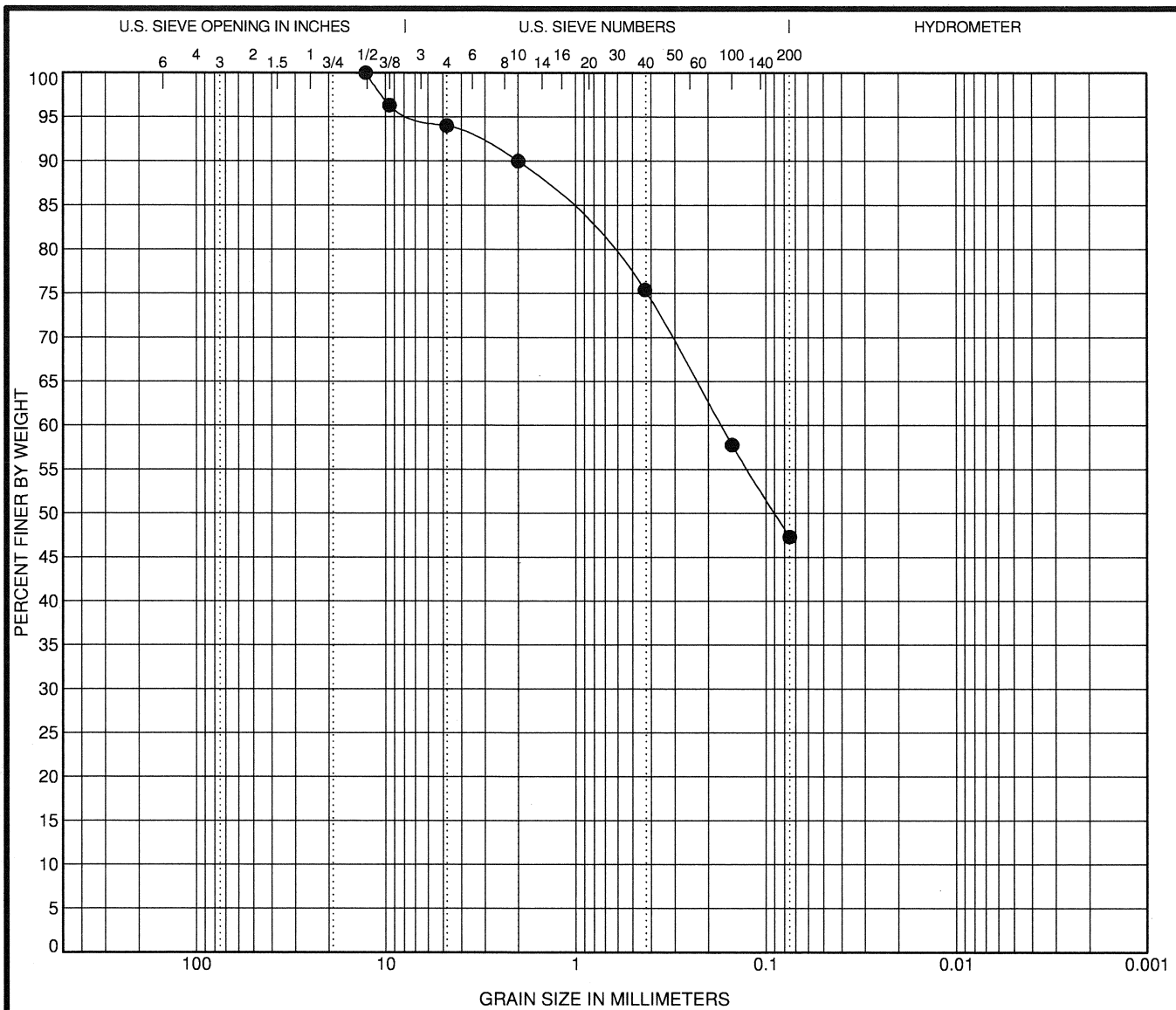

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-22	Brown Organic Laden Soil					
		Water Content = 27.5					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-22	12.7	0.171			6.0	46.7	47.3	

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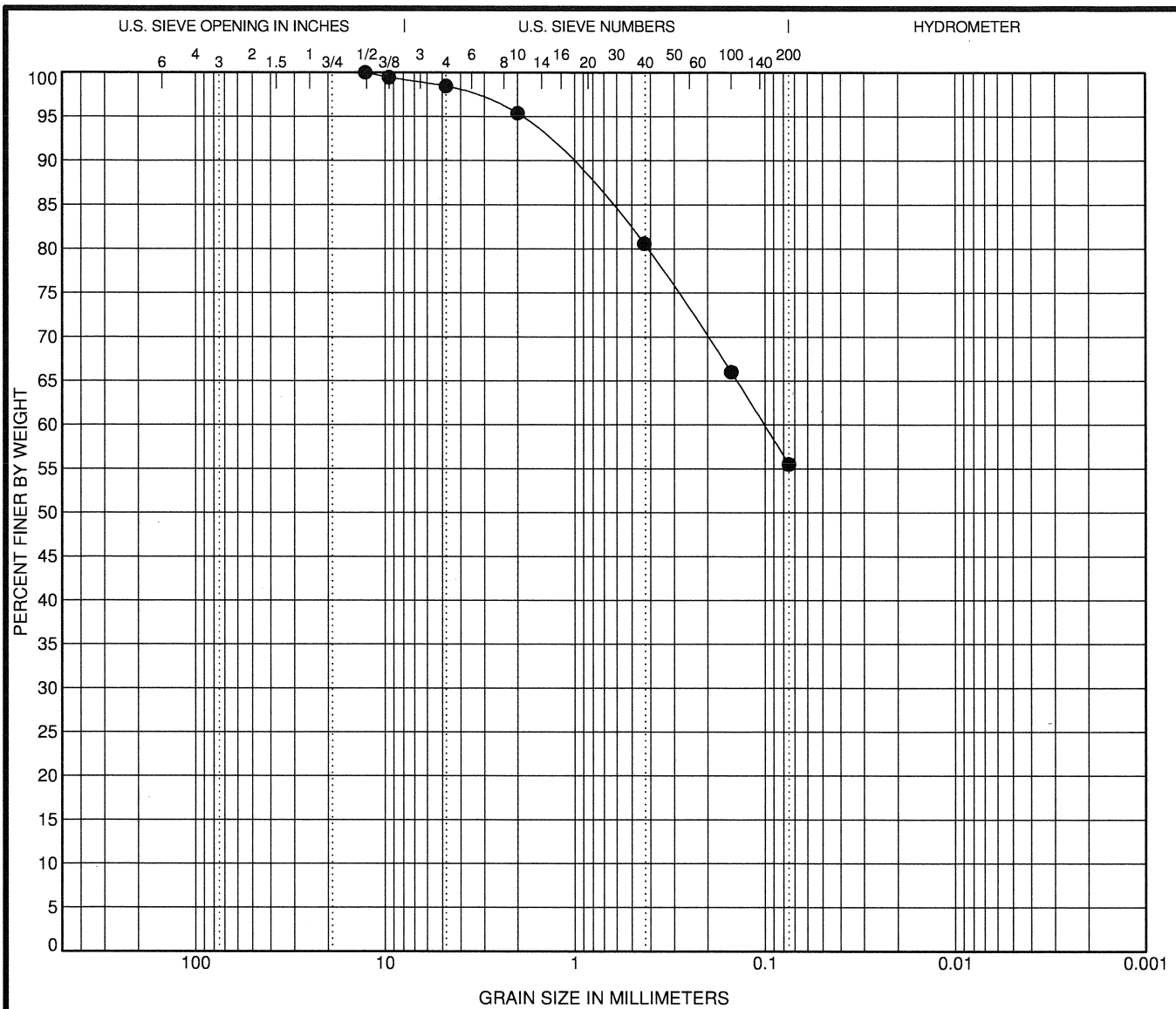
Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 8-15-11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-23	Dark Brown Organic Laden Soil					
		Water Content = 37.0%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-23	12.7	0.101			1.6	42.9	55.5	

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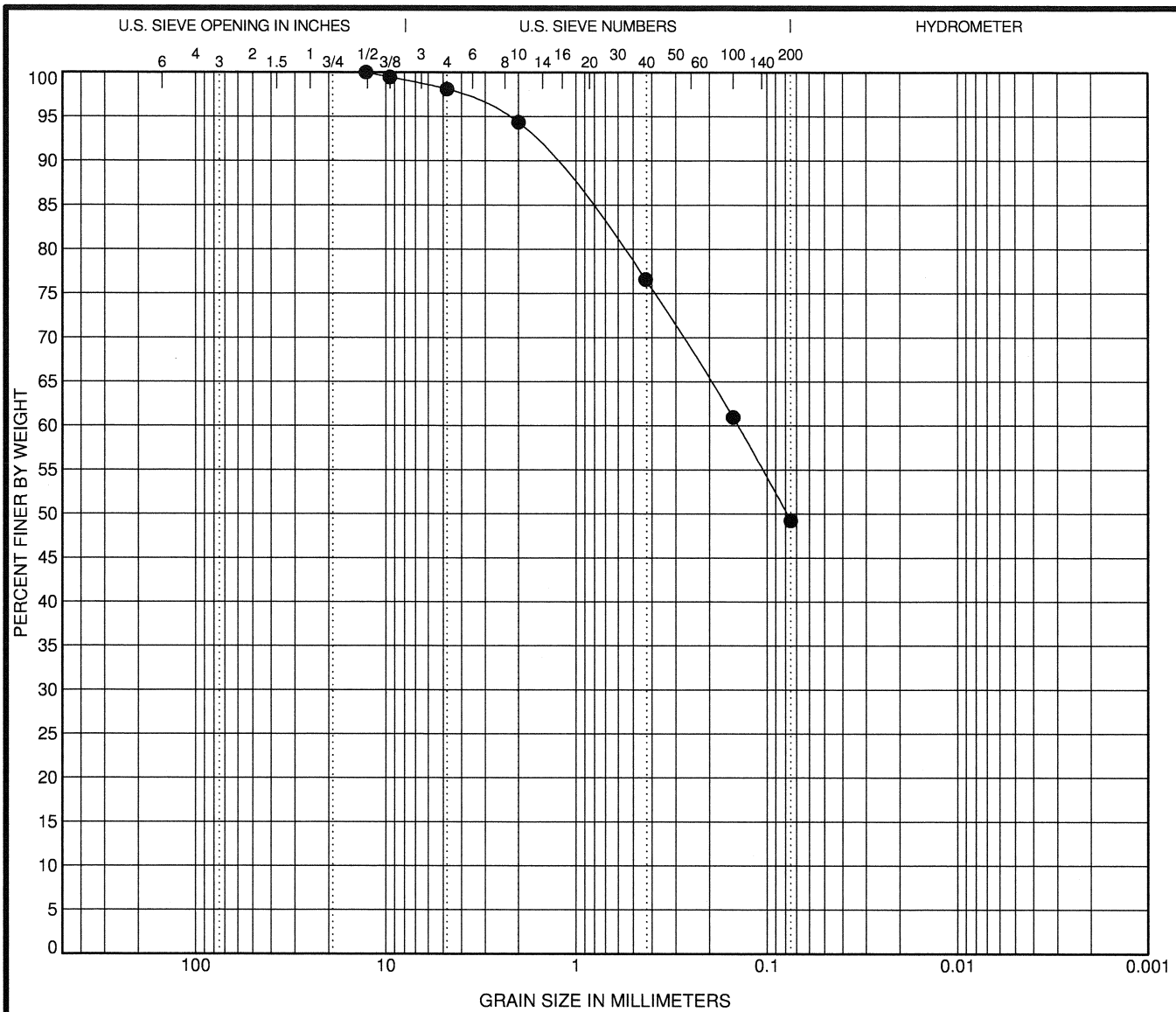

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-24	Dark Brown Organic Laden Soil					
		Water Content = 38.0%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-24	12.7	0.142			1.9	48.9	49.2	

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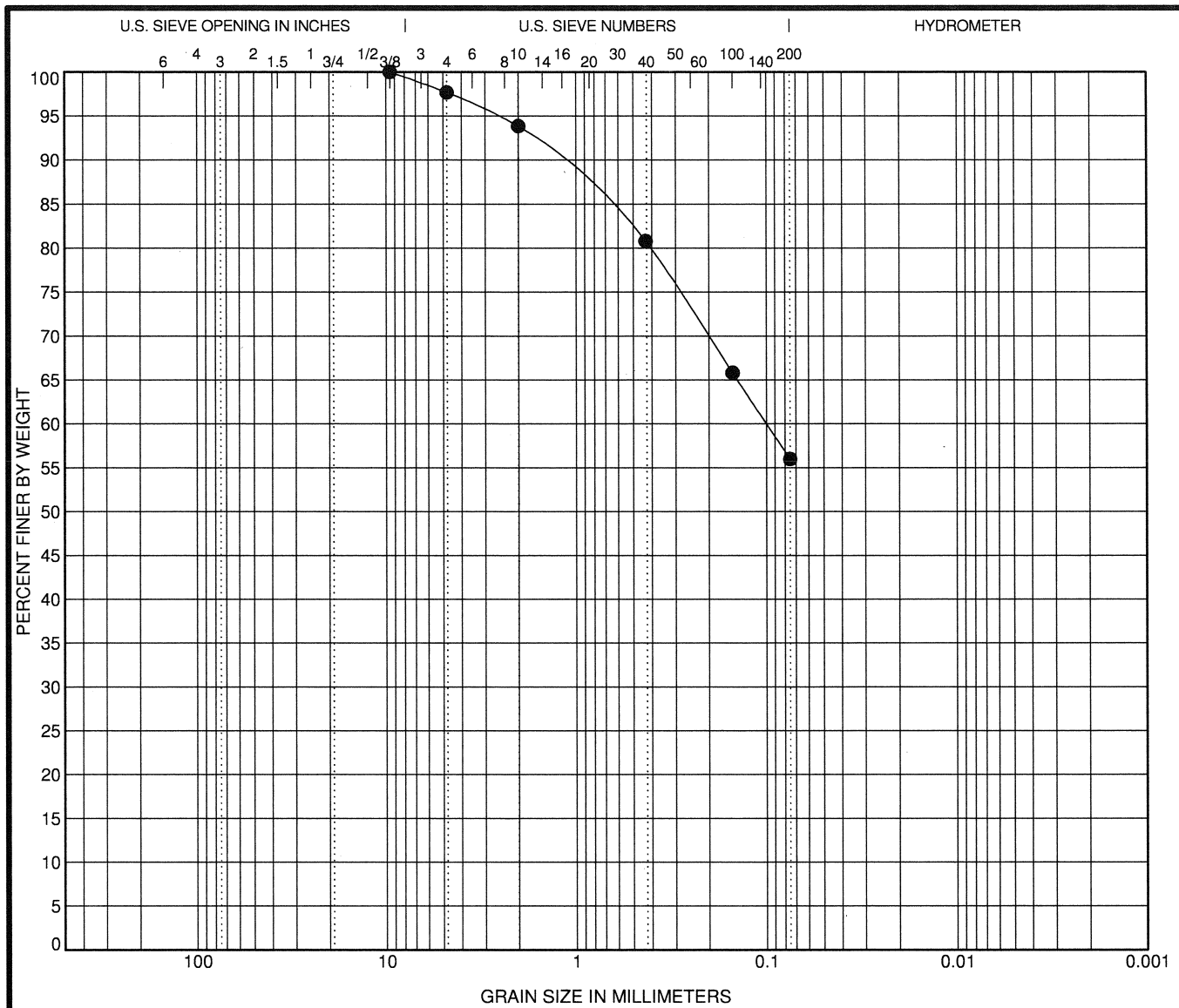

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-25	Brown Organic Laden Soil					
		Water Content = 28.5%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-25	9.52	0.099			2.3	41.7	56.0	

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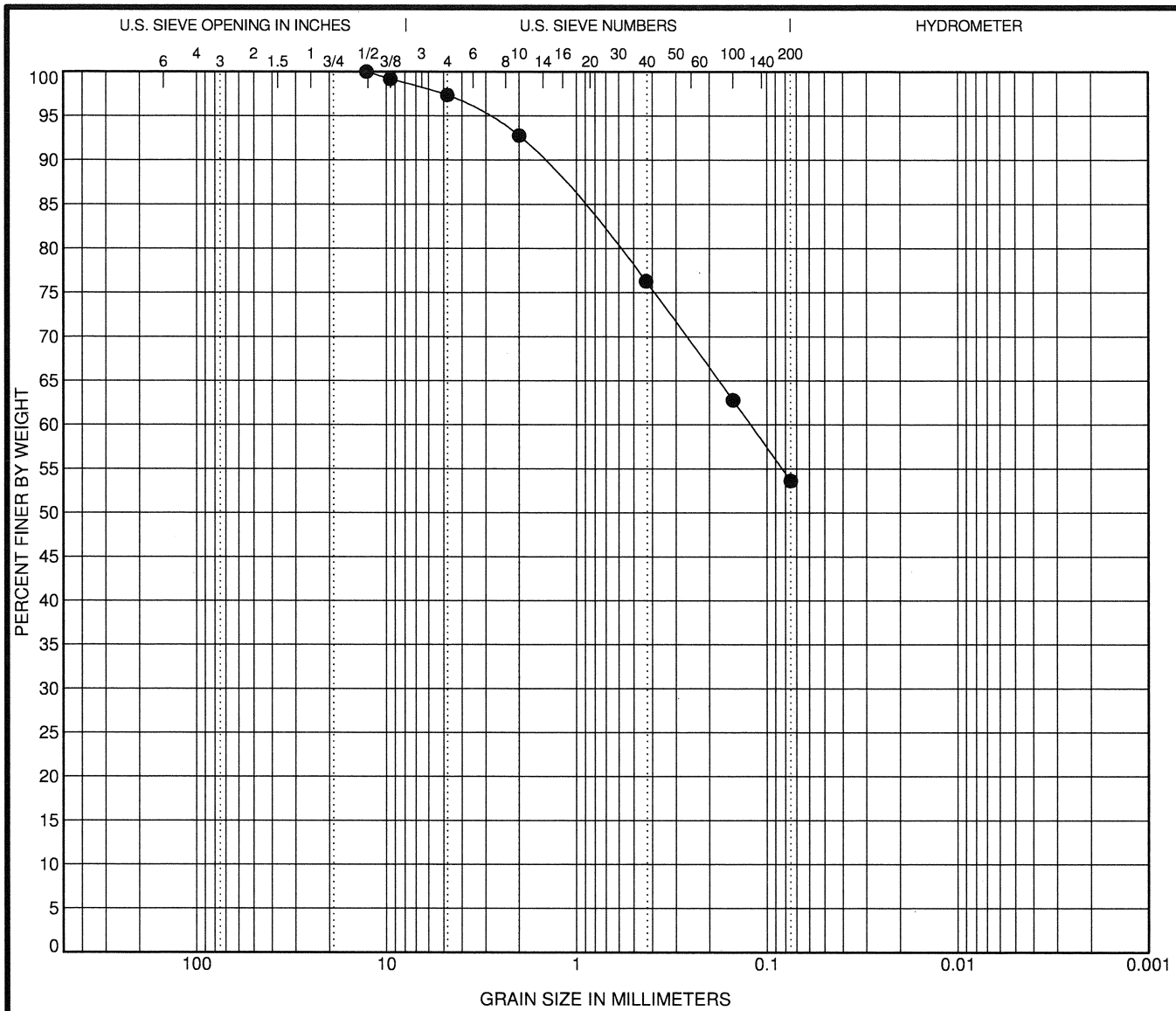

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-26	Brown Organic Laden Soil					
		Water Content = 36.4%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-26	12.7	0.121			2.7	43.7	53.6	

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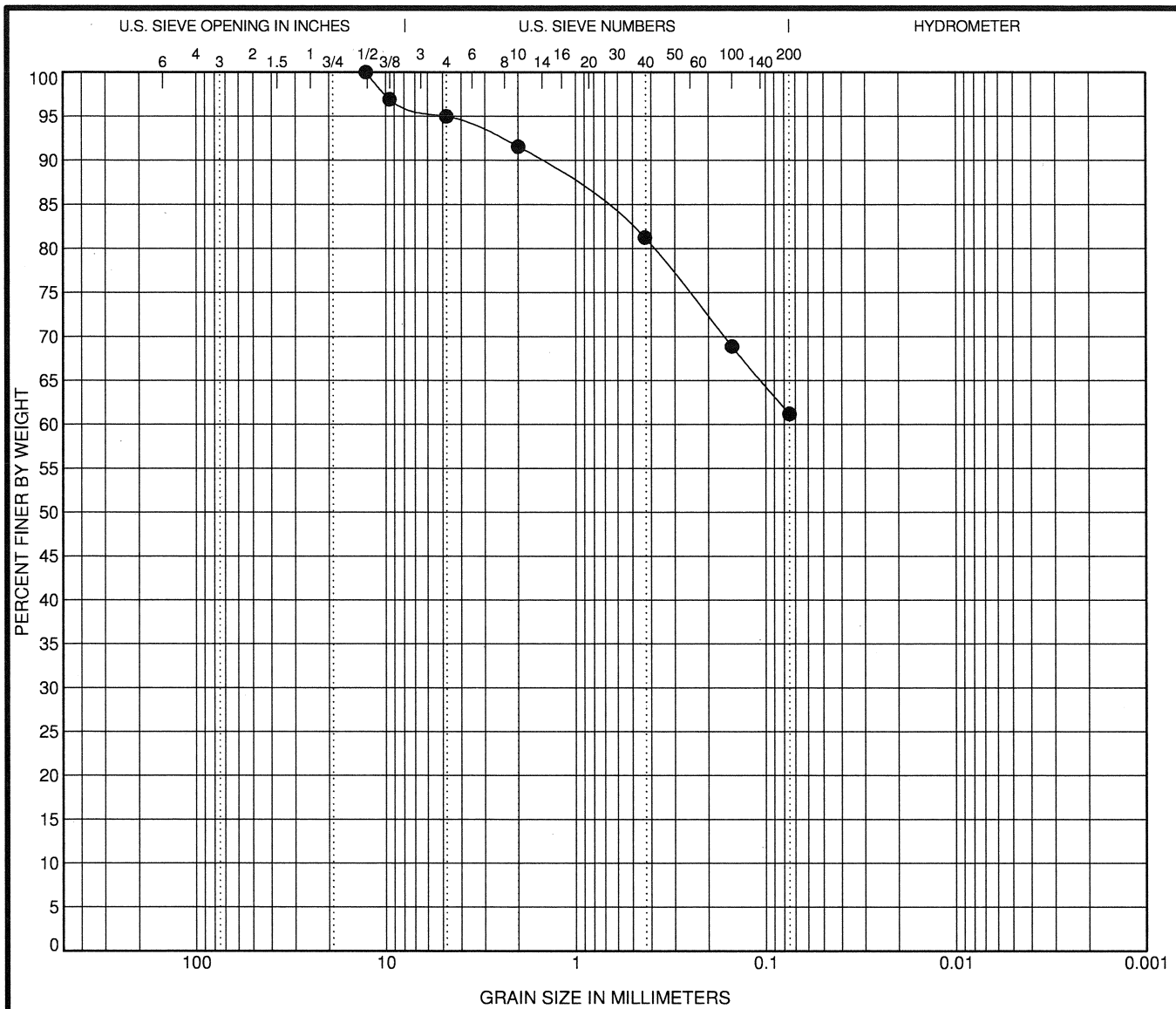

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-27	Brown Organic Laden Soil					
		Water Content = 27.5%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-27	12.7				5.0	33.8	61.2	

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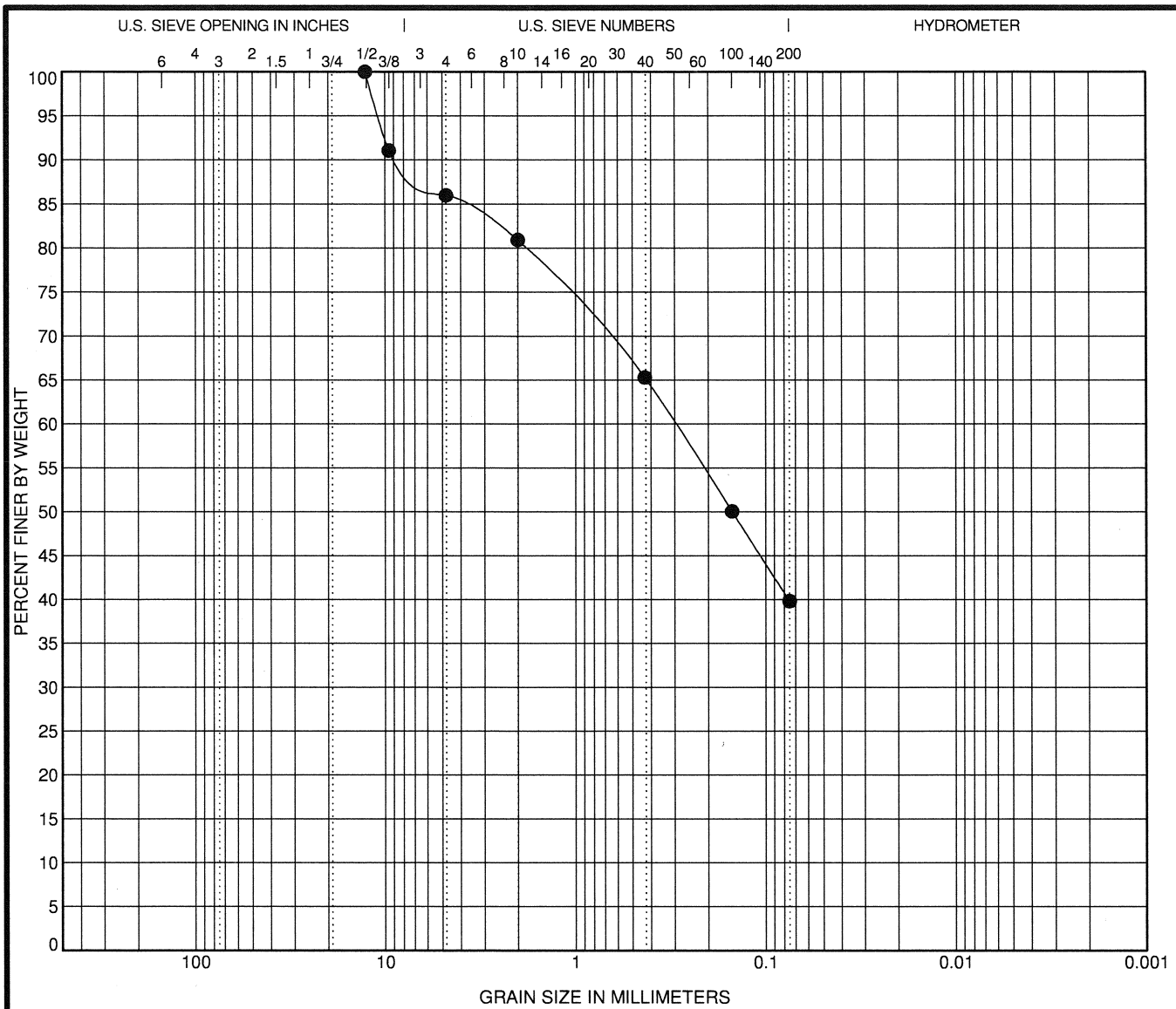

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-28	Brown Organic Laden Soil					
		Water Content = 21.5%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-28	12.7	0.298			14.0	46.1	39.8	

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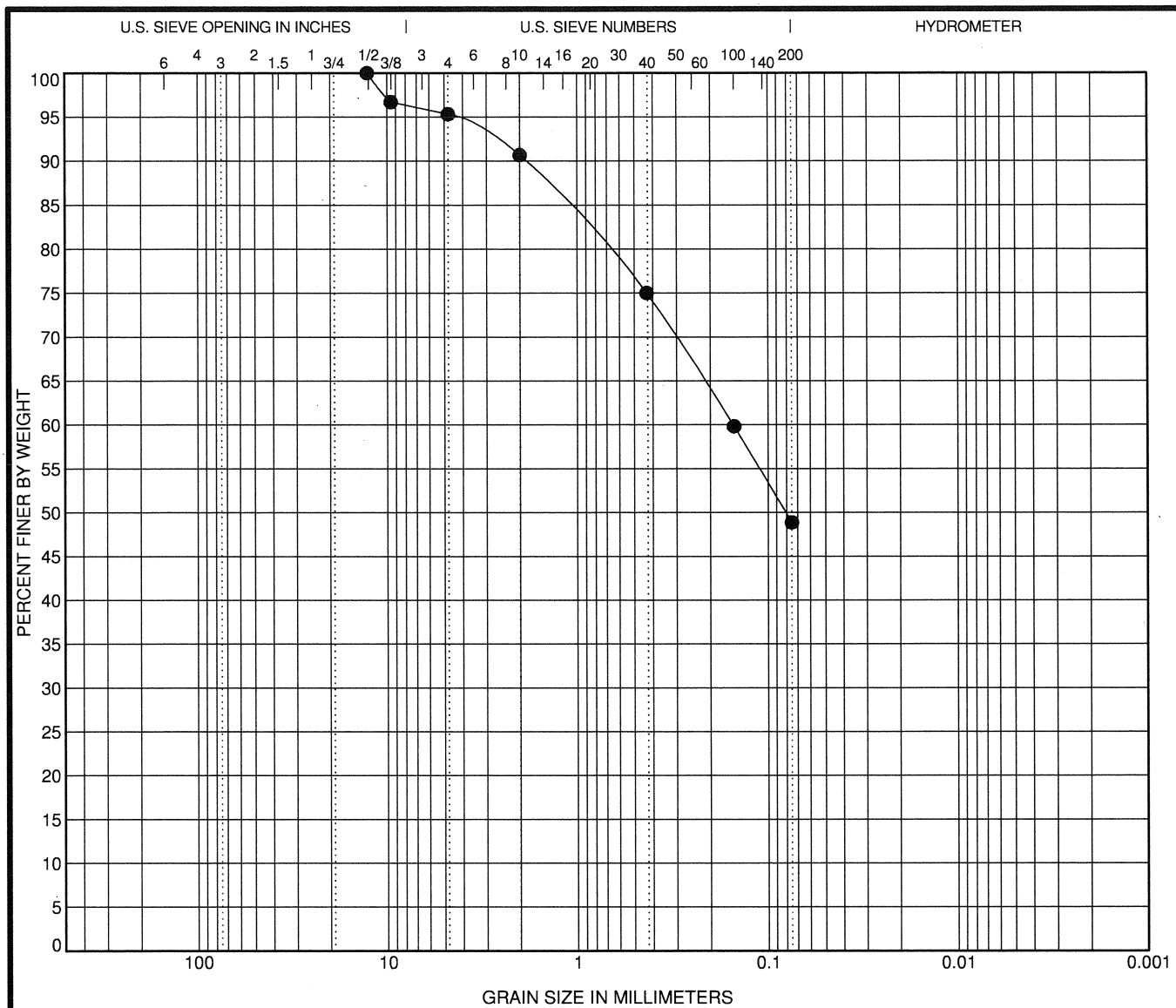

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-29	Brown Silty Sand with organic material					
		Water Content = 32.1%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-29	12.7	0.152			4.7	46.5	48.9	

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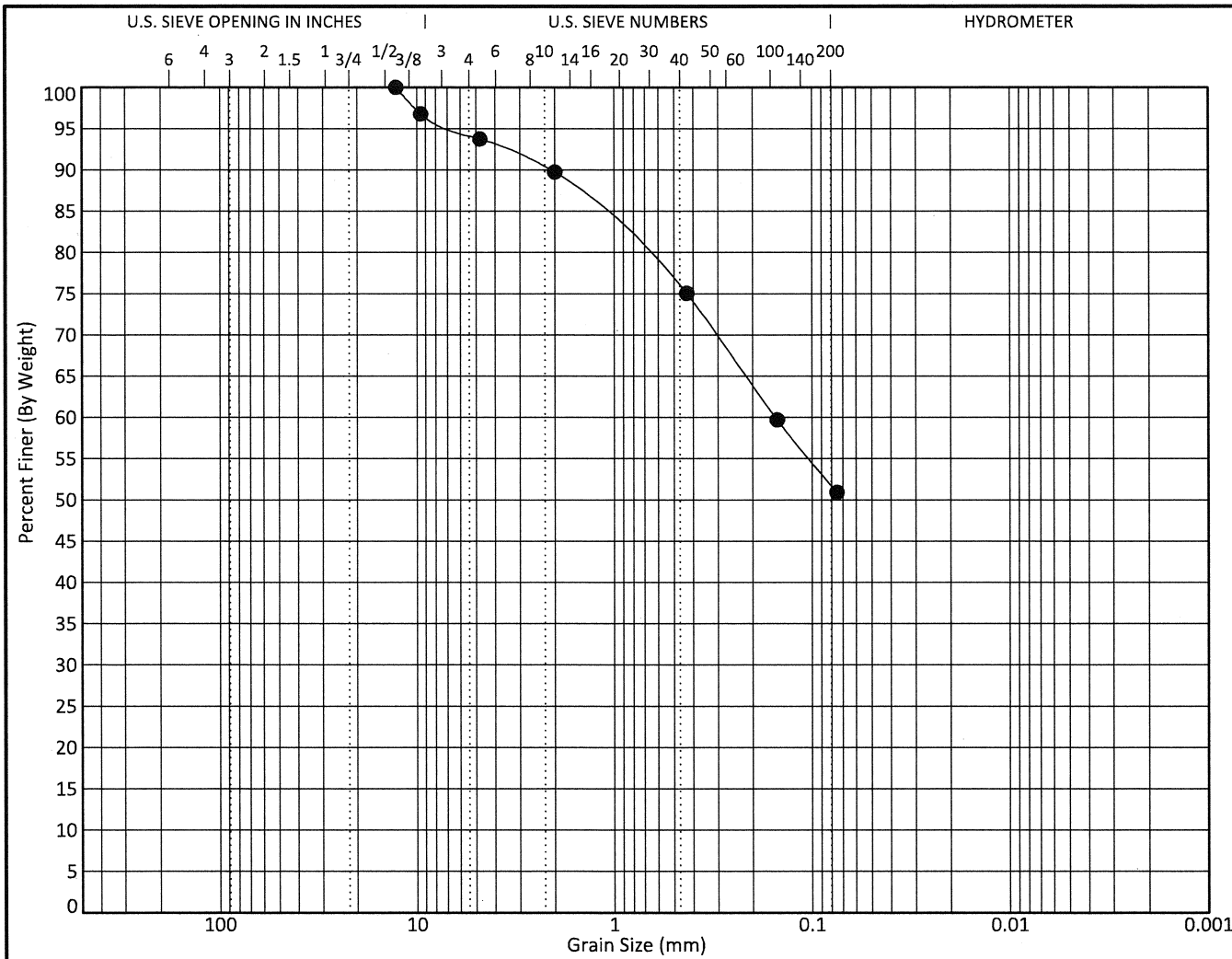
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
● BSOS-30	Dark Organic Laden Soil					
	Water Content = 20.5%					

Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● BSOS-30	12.7	0.153			6.3	42.8	50.9	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 9/12/11

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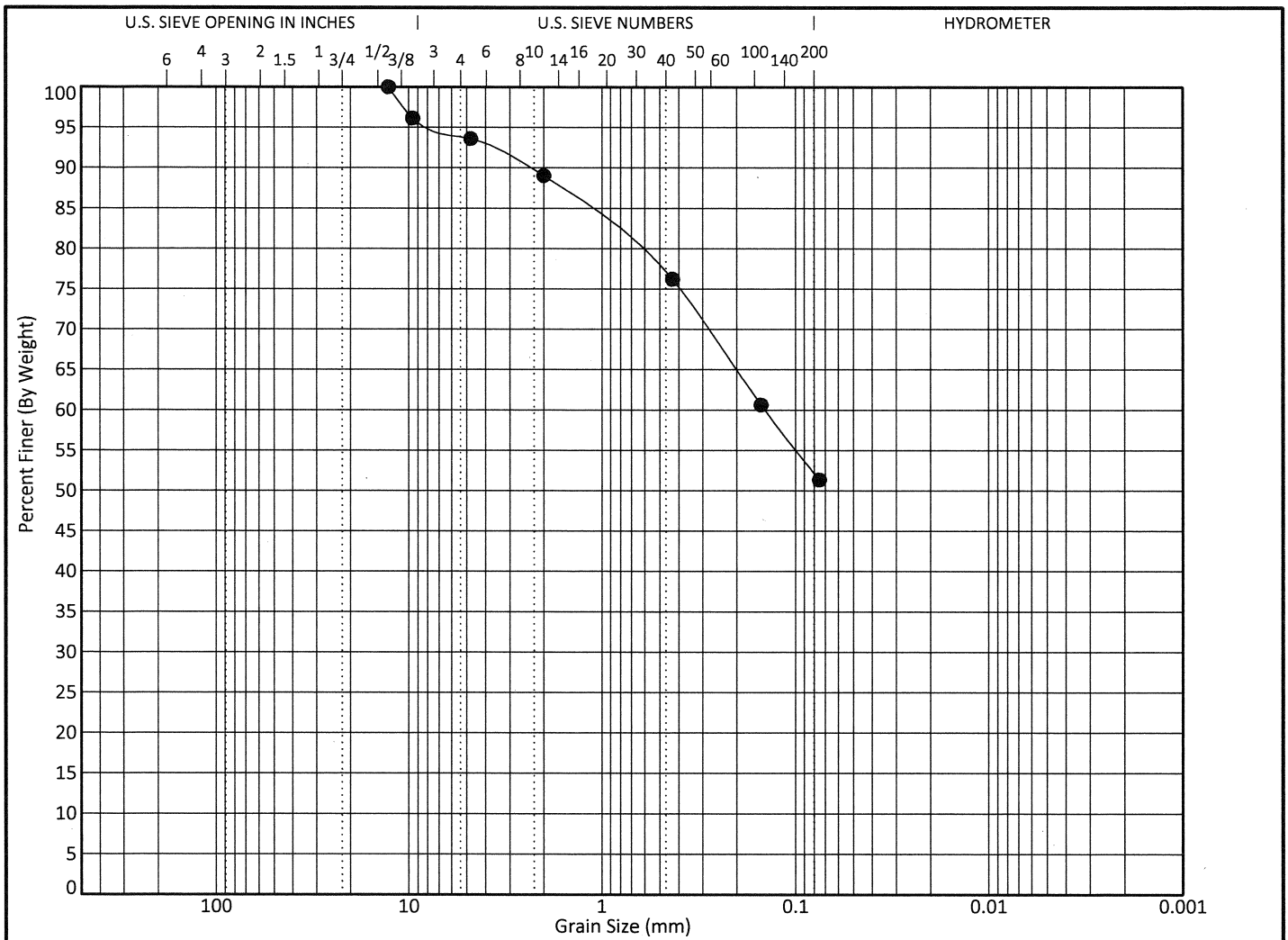

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-31	Organic Laden Brown Sandy Silt					
		Water Content = 22.8%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-31	12.7	0.143			6.4	42.2	51.4	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 9/27/11

FROEHLING & ROBERTSON, INC.

GRAIN SIZE DISTRIBUTION

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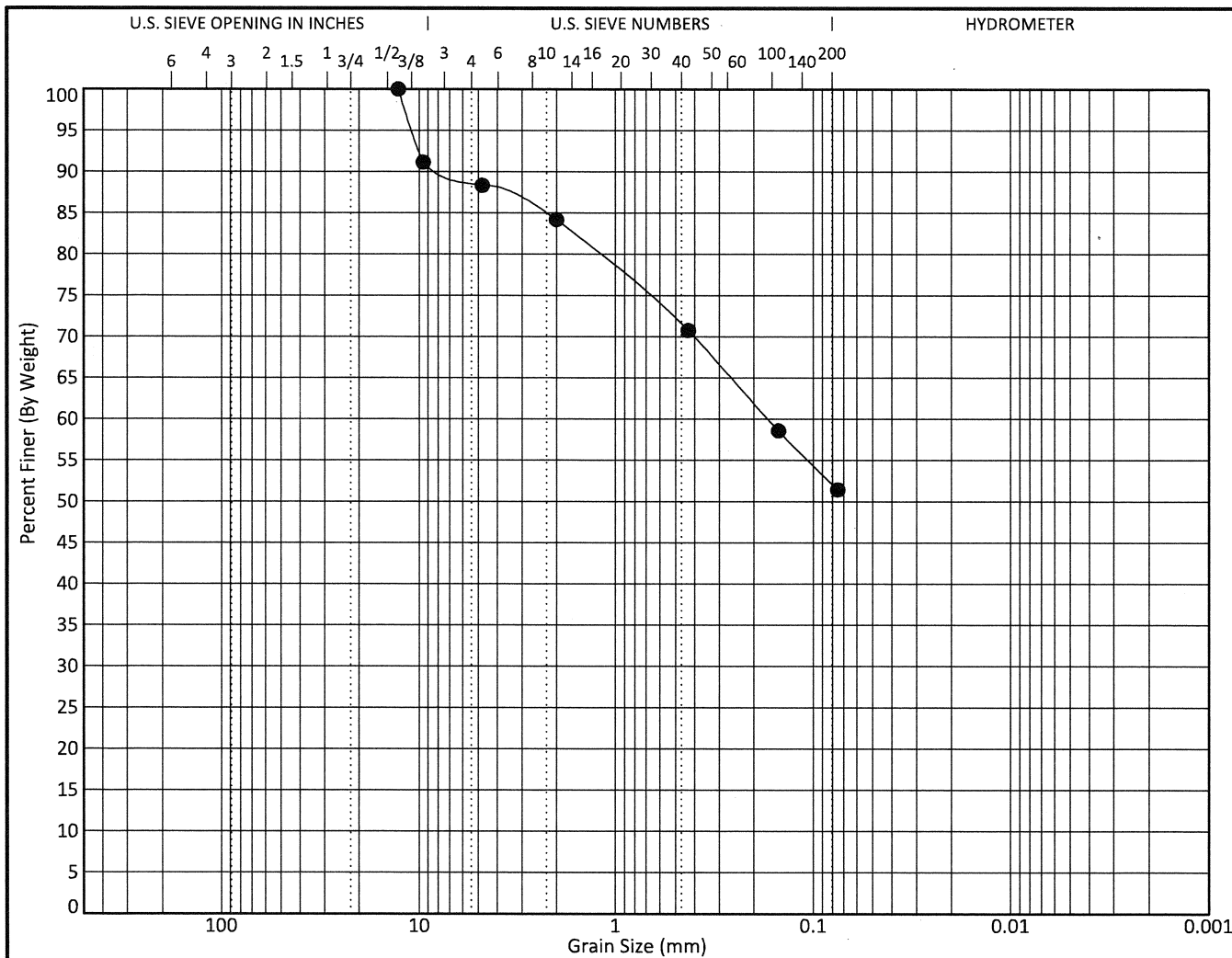
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSOS-32	Brown Sandy Silt					
		Water Content = 16.5%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSOS-32	12.7	0.169			11.7	36.9	51.4	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 10/24/11

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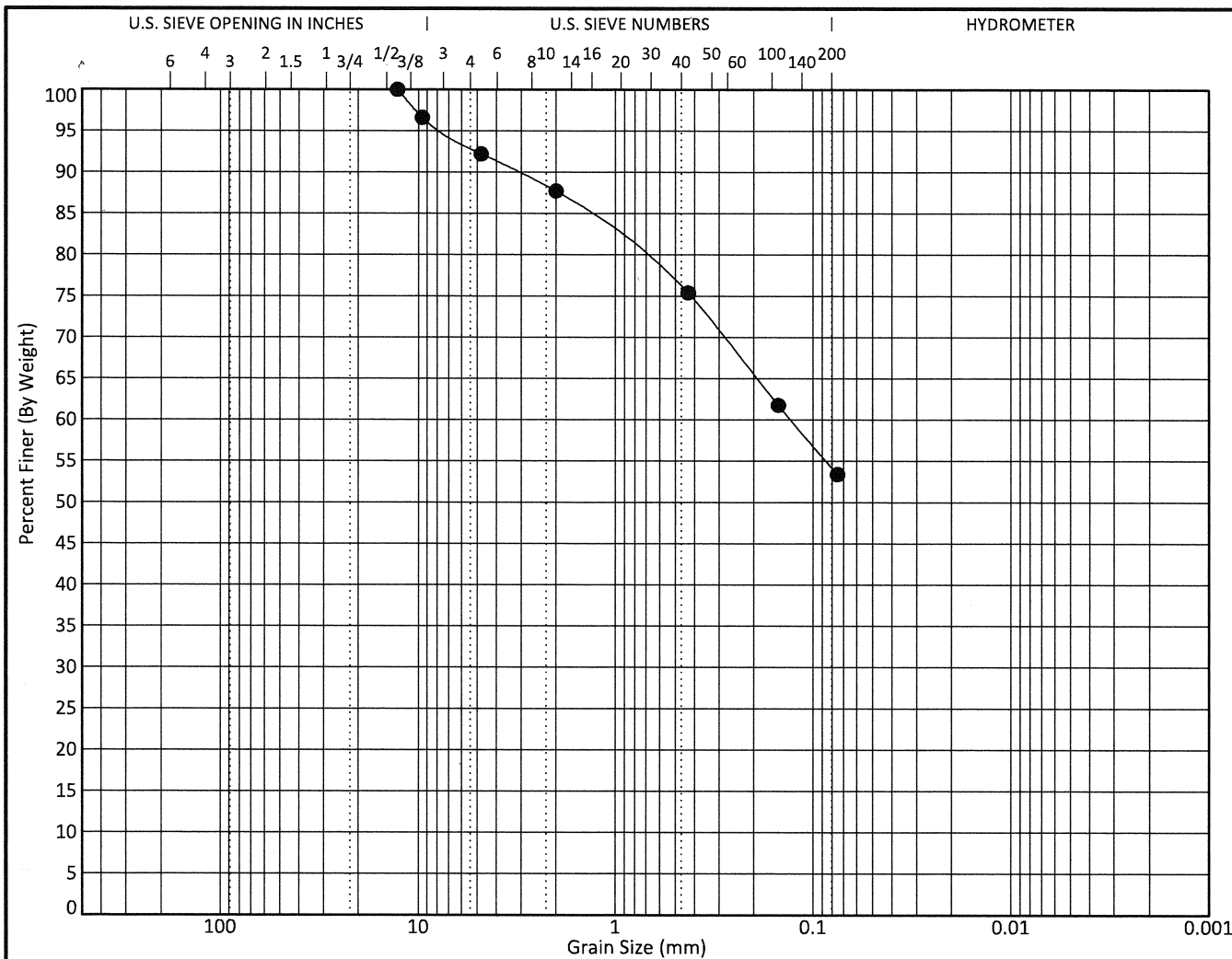
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
● BSOS-33	Brown Sandy SILT					
	Water Content = 19.7%					

Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● BSOS-33	12.7	0.129			7.8	38.8	53.4	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 10/24/11

IN-PLACE COMPACTION TESTS
EVERGREEN PACKAGING - NUMBER 6 LANDFILL
AREA A-WEST CLOSURE

TEST NO.	DATE	MATERIAL	LIFT	GRID	TEST DEPTH (INCHES)	DRY DENSITY (PCF)	WET DENSITY (PCF)	MAX DENSITY (PCF)	PERCENT PROCTOR (%)	MOISTURE CONTENT (%)	PASS/ FAIL	COMMENTS
1	06/30/11	OS			12	95.0	116.9	96.0	99.0	21.8	P	
2	07/01/11	OS			12	85.3	109.6	93.3	91.4	28.5	P	
3	07/01/11	OS			12	87.2	108.6	93.3	93.5	24.6	P	
4	07/01/11	OS			12	89.1	107.5	93.3	95.5	23.5	P	
5	07/01/11	OS			12	86.2	110.1	93.3	92.4	25.5	P	
6	07/07/11	OS			12	97.7	115.0	99.7	98.0	17.7	P	
7	07/07/11	OS			12	94.5	116.7	99.7	94.8	23.5	P	
8	07/09/11	OS			12	91.1	116.5	99.7	91.4	27.8	P	
9	07/09/11	OS			12	94.0	118.5	100.1	93.9	26.0	P	
10	07/18/11	OS			12	97.7	114.4	100.1	97.6	17.1	P	
11	07/18/11	OS			12	95.0	114.1	100.1	94.9	20.2	P	
12	07/25/11	OS			12	90.4	109.0	100.1	90.3	20.6	P	
13	07/25/11	OS			12	95.1	116.4	100.1	95.0	22.3	P	
14	07/25/11	OS			12	95.1	118.0	100.1	95.0	24.1	P	
15	07/25/11	OS			12	91.6	115.0	100.1	91.5	25.6	P	

IN-PLACE COMPACTION TESTS
EVERGREEN PACKAGING - NUMBER 6 LANDFILL
AREA A-WEST CLOSURE

TEST NO.	DATE	MATERIAL	LIFT	GRID	TEST DEPTH (INCHES)	DRY DENSITY (PCF)	WET DENSITY (PCF)	MAX DENSITY (PCF)	PERCENT PROCTOR (%)	MOISTURE CONTENT (%)	PASS/ FAIL	COMMENTS
16	07/25/11	OS			12	98.1	120.1	102.6	95.6	22.4	P	
17	07/25/11	OS			12	98.5	119.6	102.6	96.0	21.4	P	
18	07/25/11	OS			12	92.7	114.5	102.6	90.4	23.6	P	
19	07/25/11	OS			12	97.3	116.8	102.6	94.8	20.1	P	
20	07/25/11	OS			12	92.4	113.6	100.2	92.2	22.9	P	
21	08/07/11	OS			12	92.3	114.5	100.2	92.1	22.2	P	
22	08/07/11	OS			12	94.6	116.3	100.2	94.4	21.7	P	
23	08/07/11	OS			12	95.1	116.7	100.2	94.9	21.6	P	
24	08/07/11	OS			12	93.5	114.6	100.2	93.3	21.1	P	
25	08/07/11	OS			12	93.2	114.3	100.2	93.0	21.0	P	
26	08/16/11	OS			12	92.1	118.9	100.2	91.9	26.8	P	
27	08/16/11	OS			12	93.0	120.1	100.2	92.8	27.1	P	
28	08/16/11	OS			12	90.3	115.3	93.9	96.2	25.0	P	
29	08/16/11	OS			12	90.4	116.7	93.9	96.3	26.3	P	
30	08/16/11	OS			12	91.4	117.8	93.9	97.3	26.3	P	
31	08/16/11	OS			12	93.5	117.5	93.9	99.6	24.0	P	
32	08/16/11	OS			12	92.9	116.2	93.9	98.9	23.3	P	

IN-PLACE COMPACTION TESTS
EVERGREEN PACKAGING - NUMBER 6 LANDFILL
AREA A-WEST CLOSURE

TEST NO.	DATE	MATERIAL	LIFT	GRID	TEST DEPTH (INCHES)	DRY DENSITY (PCF)	WET DENSITY (PCF)	MAX DENSITY (PCF)	PERCENT PROCTOR (%)	MOISTURE CONTENT (%)	PASS/ FAIL	COMMENTS
33	08/16/11	OS			12	91.8	116.0	93.9	97.8	24.2	P	
34	08/16/11	OS			12	92.2	116.3	96.0	96.0	24.1	P	
35	08/16/11	OS			12	91.7	117.1	96.0	95.5	25.4	P	
36	08/19/11	OS			12	93.3	116.4	96.0	97.2	24.7	P	
37	08/19/11	OS			12	94.7	117.0	96.0	98.6	23.5	P	

3C

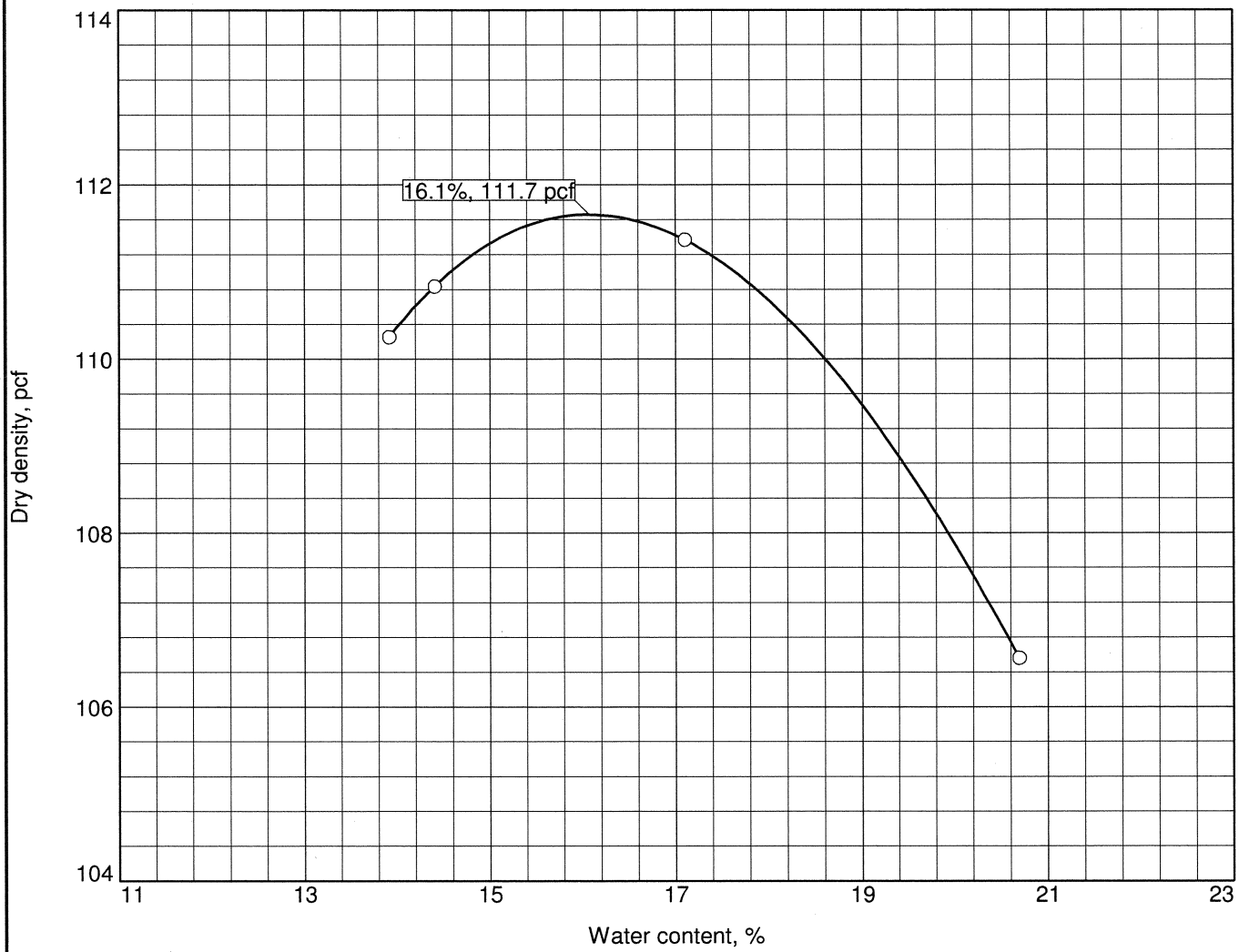
QUALITY CONTROL - COVER SOIL

- LABORATORY MOISTURE DENSITY TESTS
- GRAIN SIZE ANALYSES

QUALITY CONTROL TESTING SUMMARY - COVER SOIL
EVERGREEN PACKAGING - NUMBER 6 LANDFILL
AREA A-WEST CLOSURE

SAMPLE NUMBER	SAMPLE DATE	LOCATION	MOISTURE CONTENT (%)	GRADATION % PASSIING 3" (%)	GRADATION % PASSING #200 (%)	MAXIMUM DRY DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)
					20%		
BSCS-1	8/5/11	STOCKPILE	11.6	100	24.9	111.7	16.1
BSCS-2	9/6/11	SCREEN	24.0	100	26.5	111.6	16.1
BSCS-3	9/6/11	SCREEN	23.7	100	28.8	111.6	17.1
BSCS-4	10/13/11	STOCKPILE	19.3	100	27.5	111.9	16.7

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
	(SM) (visual)		11.6		INA	INA	9.0	24.9

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 111.7 pcf Optimum moisture = 16.1 %	Red-Brown silty SAND (SM)

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit (Cover Soil) **Sample Number:** 7

Remarks:
Sample: BSCS #1
Source: On Site Borrow Pit (cover soil)
Sample Date: 8-5-11

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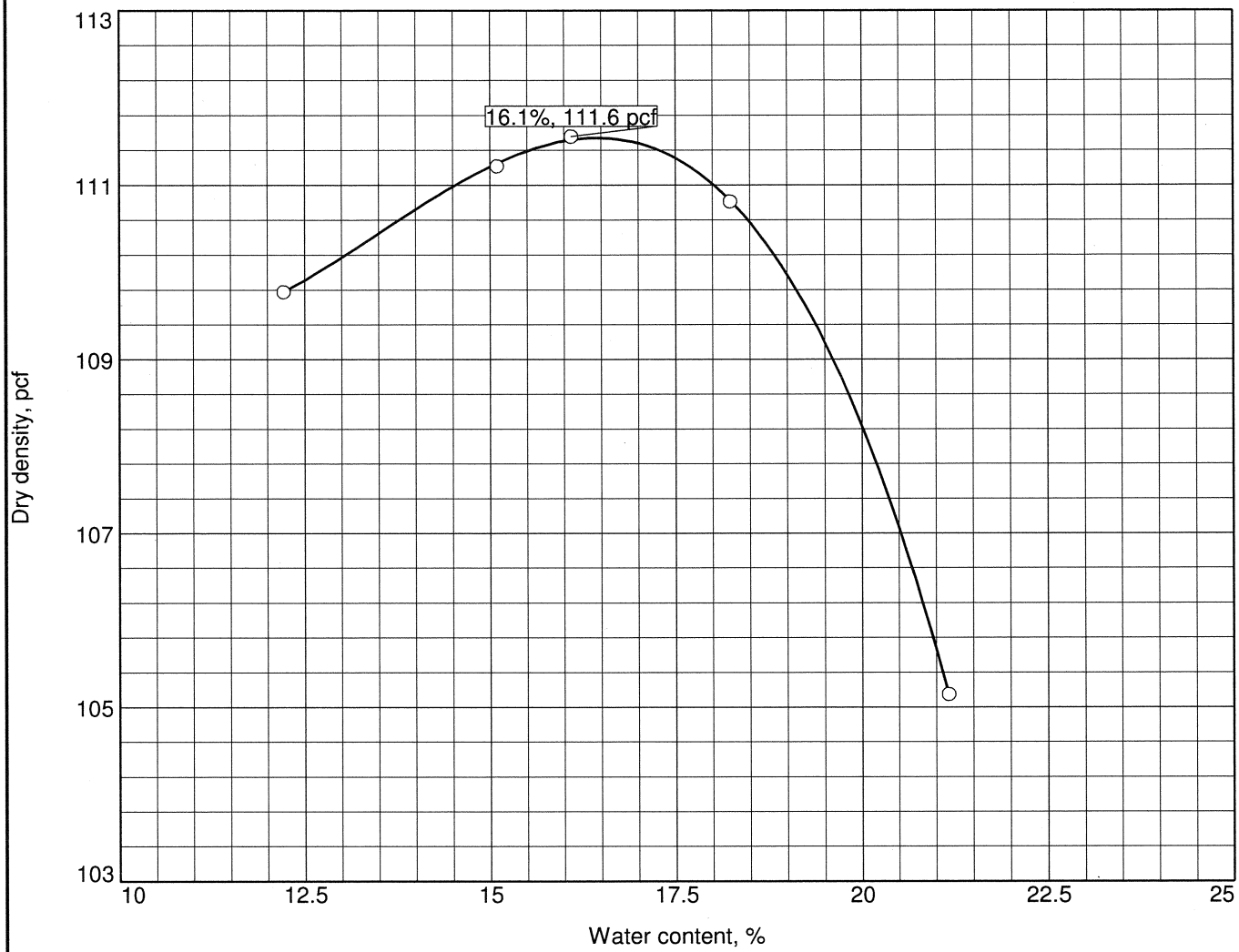
Figure

Tested By: Justin Bredow

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
	SM		24.0		INA	INA	3.6	26.5

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 111.6 pcf Optimum moisture = 16.1 %	Brown silty SAND (SM) visual classification

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit **Sample Number:** 11

Remarks:
Sample: BSCS #2
Source: On site borrow pit
Sample Date: 9-6-11

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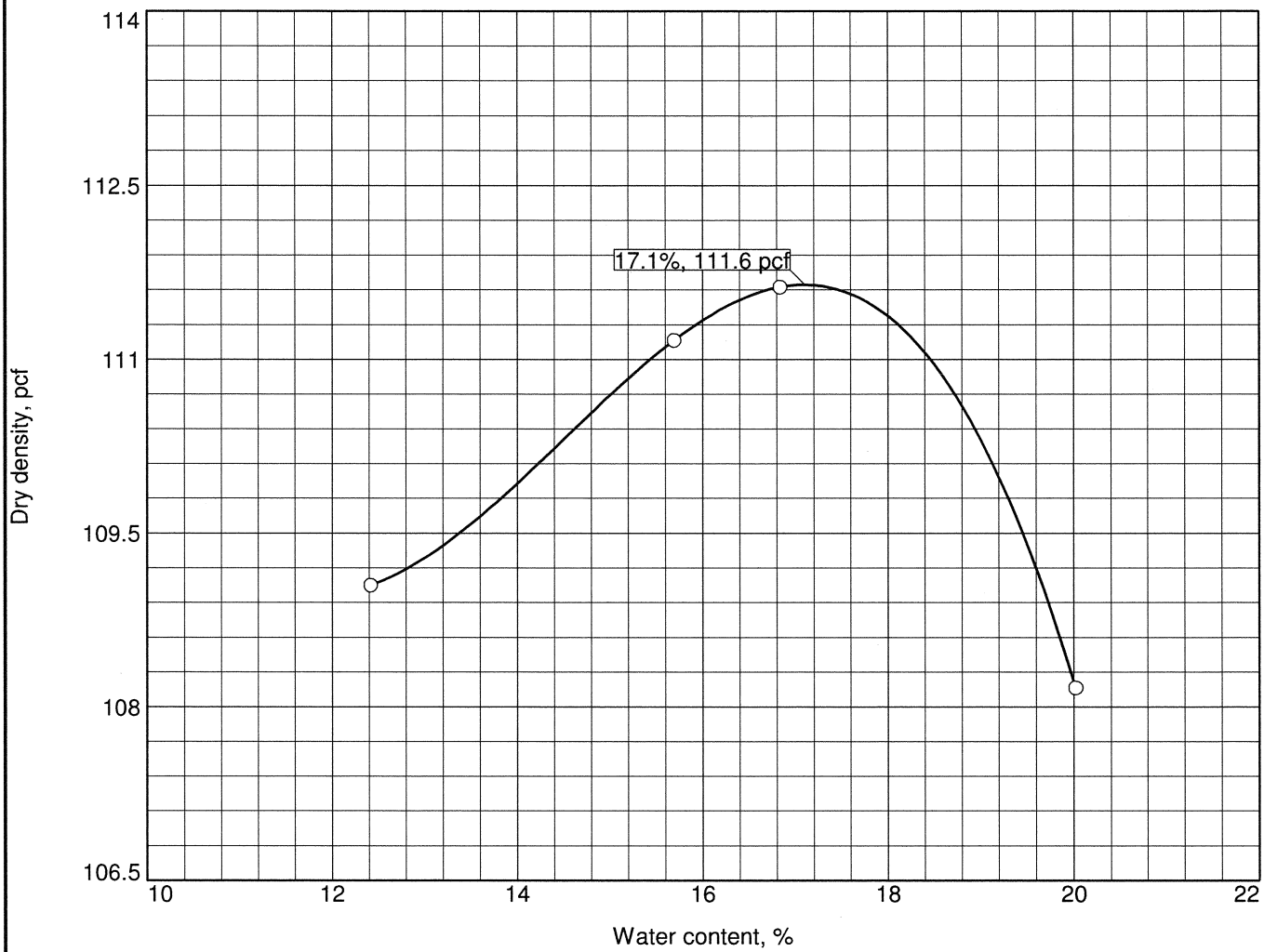
Figure

Tested By: Justin Bredow

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
	SM		23.7		INA	INA	0.3	28.8

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 111.6 pcf Optimum moisture = 17.1 %	Brown silty SAND (SM) visual classification

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit **Sample Number:** 12

Remarks:
Sample: BSCS #3
Source: On site borrow pit
Sample Date: 9-6-11

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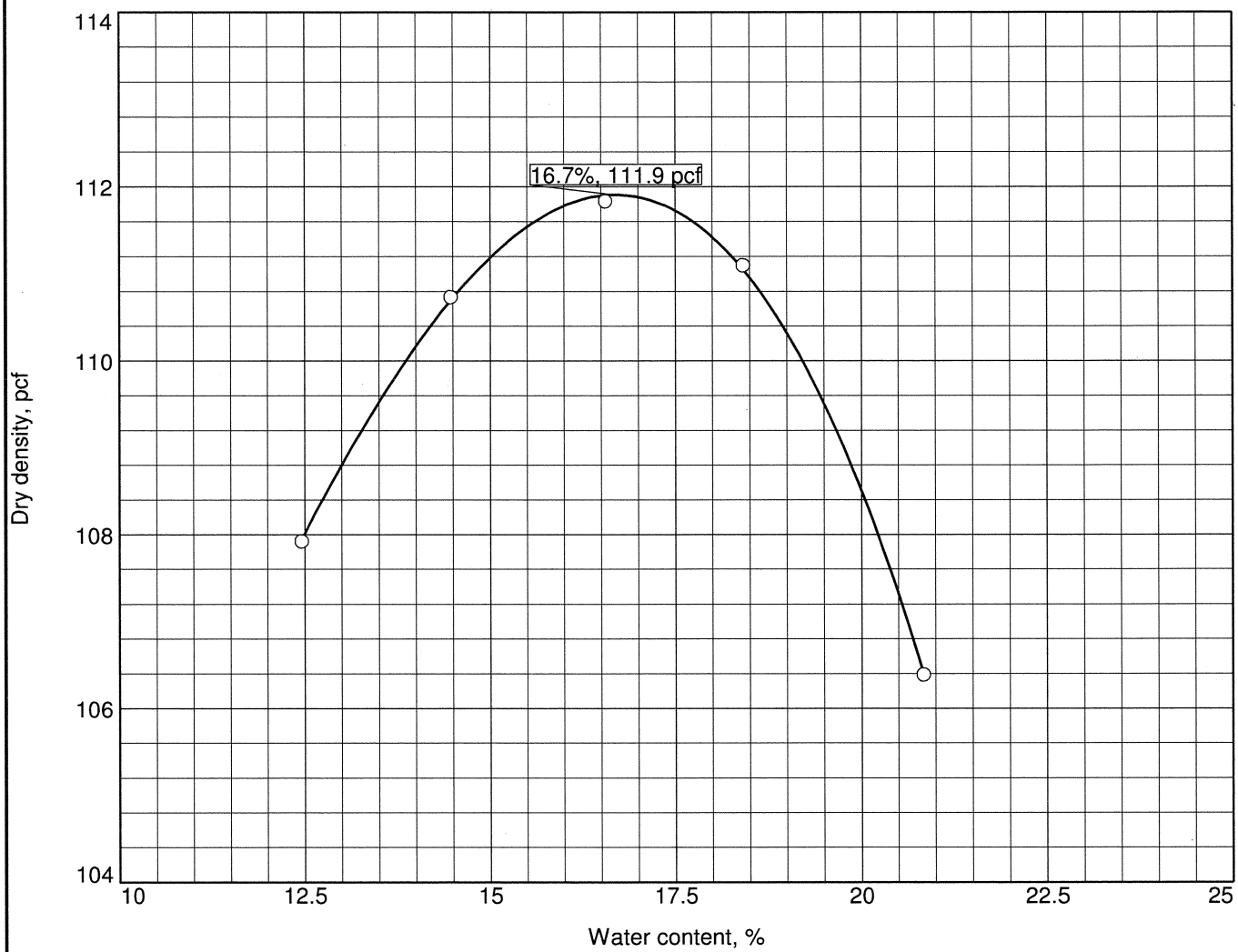
Figure

Tested By: Justin Bredow

COMPACTION TEST REPORT



Test specification: ASTM D 698-07 Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > #4	% < No.200
	USCS	AASHTO						
	(SM)		19.3		INA	INA	6.9	27.5

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 111.9 pcf Optimum moisture = 16.7 %	Red Brown silty SAND (SM)

Project No. 70N-0036 **Client:** Sevee and Maher Engineers
Project: Blue Ridge Paper Landfill

○ **Location:** On Site Borrow Pit **Sample Number:** 14

Remarks:
Sample: BSCS #4
Source: On Site Borrow Pit
Sample Date: 10-13-11

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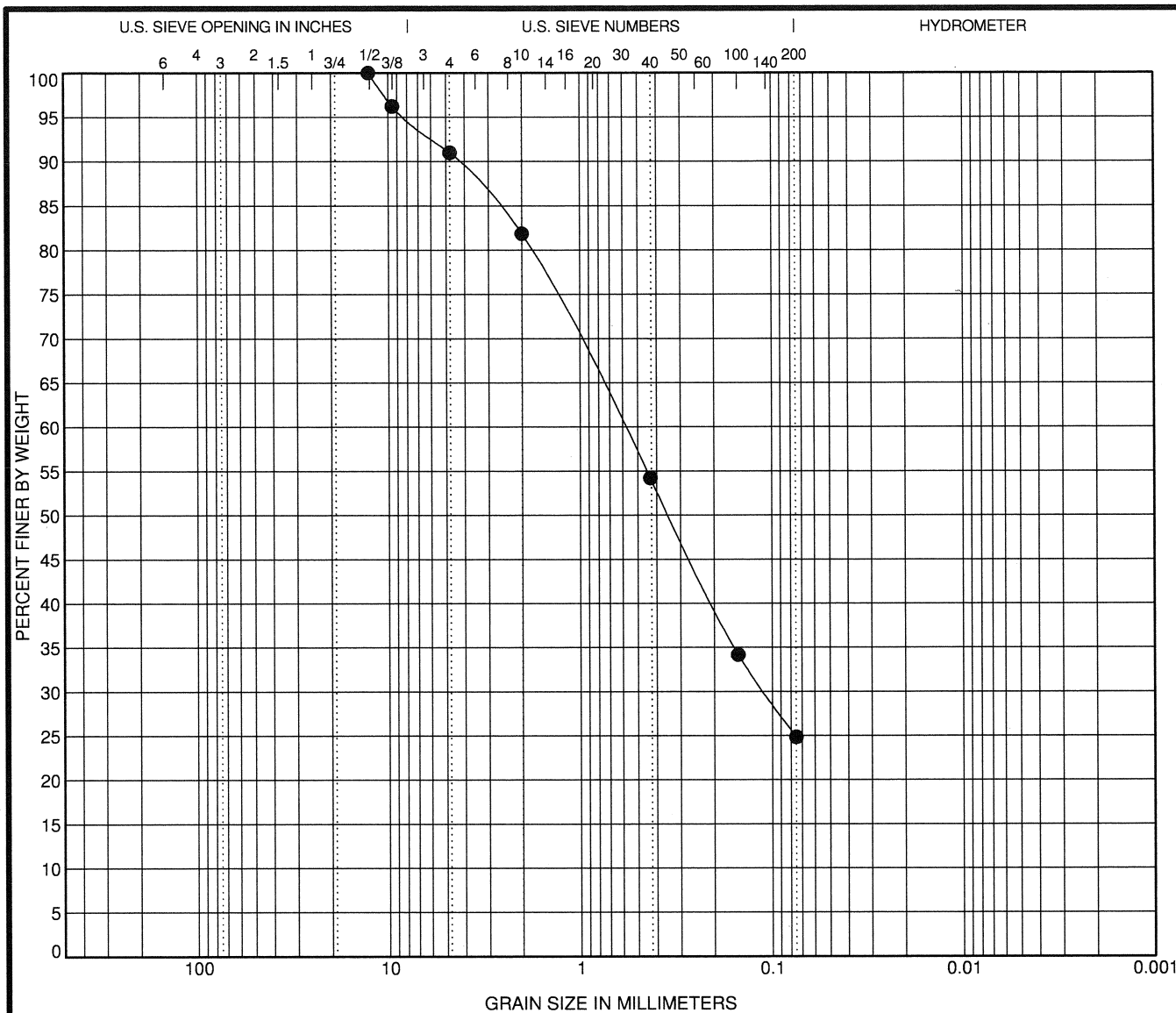
Figure

Tested By: Justin Bredow



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSCS-01	Reddish Brown Silty Sand					
		Water Content = 11.6%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSCS-01	12.7	0.593	0.11		9.0	66.1	24.9	

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GRAIN SIZE DISTRIBUTION

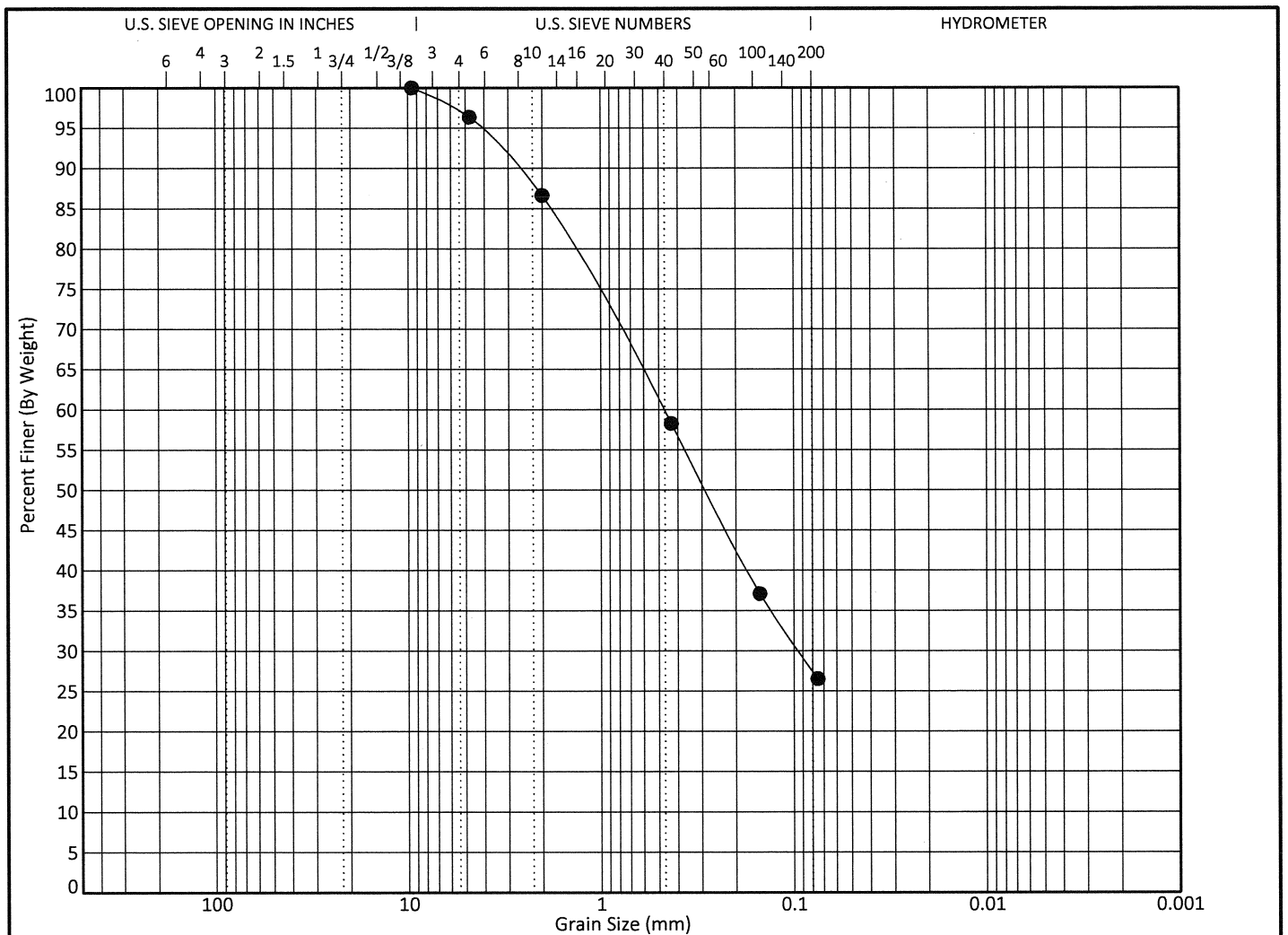
Report No.: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
Location: Canton, North Carolina
Date: 8-5-11

US GRAIN SIZE 70N-0036.GPJ F&R.GDT 8/29/11

FROEHLING & ROBERTSON, INC.

GRAIN SIZE DISTRIBUTION

Project No: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSCS-02	Brown Silty Sand					
		Water Content = 24.0%					

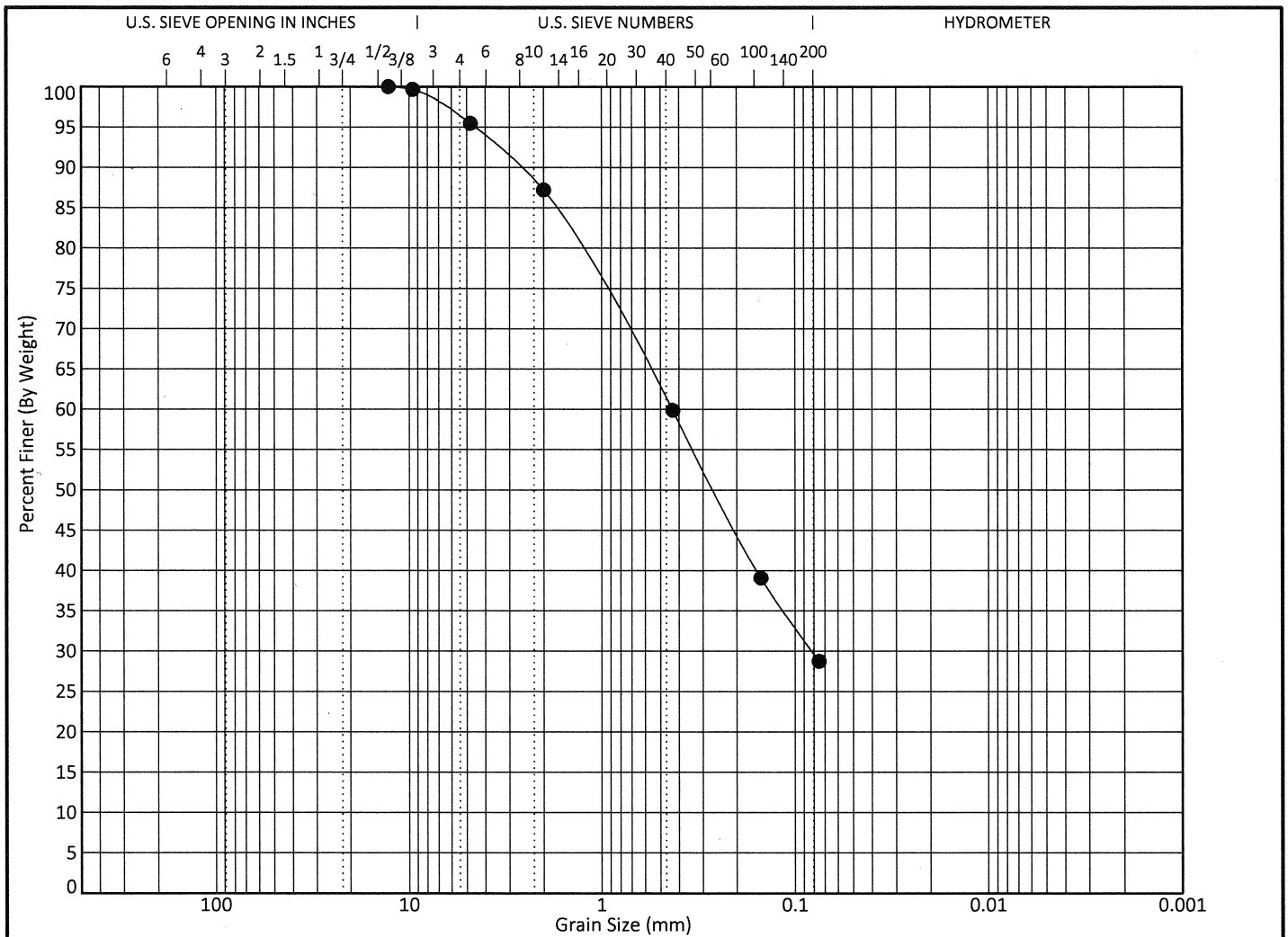
	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSCS-02	9.52	0.472	0.094		3.7	69.8	26.5	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 9/14/11

FROEHLING & ROBERTSON, INC.

GRAIN SIZE DISTRIBUTION

Project No: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	BSCS-03	Brown Silty Sand					
		Water Content = 23.7%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	BSCS-03	12.7	0.433	0.081		4.5	66.7	28.8	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 9/14/11

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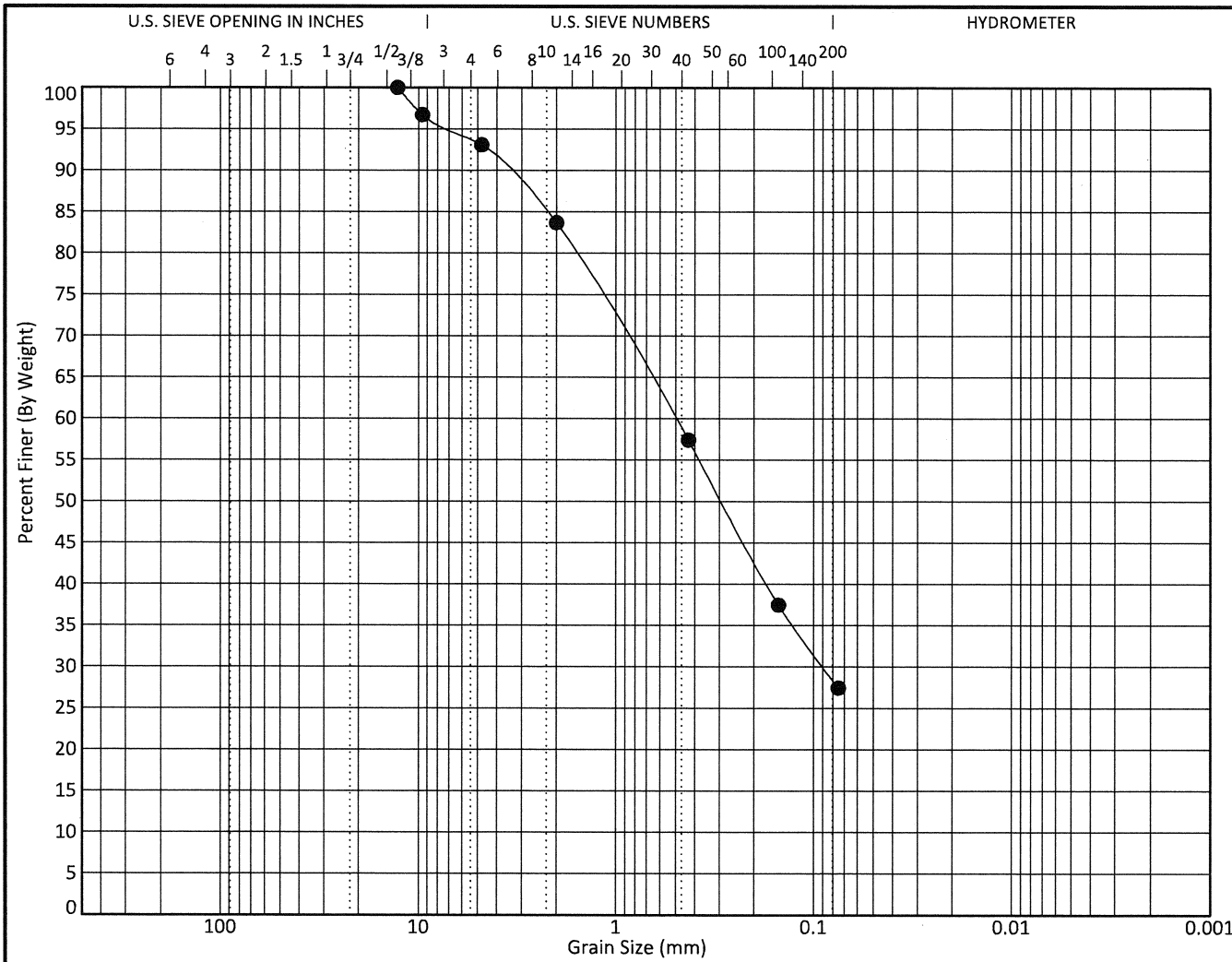
GRAIN SIZE DISTRIBUTION

Project No: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
● BSCS-04	Reddish Brown Silty SAND					
	Water Content = 19.3%					

Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● BSCS-04	12.7	0.5	0.089		6.9	65.6	27.5	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 10/24/11

3D

QUALITY ASSURANCE - DRAINAGE STONE

- **GRAIN SIZE**

QUALITY ASSURANCE TESTING SUMMARY - STONE

EVERGREEN PACKAGING - NUMBER 6 LANDFILL

AREA A-WEST CLOSURE

SAMPLE	GRADATION 1-1/2" (%)	1" (%)	3/4" (%)	1/2" (%)	3/8" (%)	1/4" (%)	#4 (%)	#8 (%)	#10 (%)	#20 (%)	#40 (%)	#60 (%)	#100 (%)	#200 (%)
#67 STONE		**100**	**90-100**		**20-55**		**0-10**	**0-5**						
STONE#1		97.6	75.7		13.5		5.4	3.3						
STONE#2		96.5	62.4		3.8		1.3	1.2						
STONE#3		100.0	93.3		20.8		6.8	3.4						
STONE#4		99.7	87.1		34.0		8.6	4.5						
STONE#5		100.0	94.1		23.2		6.6	3.7						
STONE#6		98.3	90.3		23.5		14.2	8.2						

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Asheville, North Carolina 28803
T 828.274.0742 I F 828.274.8917

August 12, 2011

Report of: **Aggregate Characteristics**

Made for: **Sevee and Maher Engineers, Inc.**

Project: **Blue Ridge Landfill – 6A West Closure**
70N-0036

Sieve Size	% Passing Stone #1	% Passing Stone #2	% Passing Stone #3	Tolerance % Passing #57	Tolerance % Passing #67
1 ½"	100	100	100	100	100
1"	97.6*	96.5*	100	95-100	100
¾"	75.7*	62.4*	93.3	-	90-100
½"	26.8	13.5	44.7	25-60	-
3/8"	13.5*	3.8*	20.8	-	20-55
#4	5.4	1.3	6.8	0-10	0-10
#8	3.3	1.2	3.4	0-5	0-5
#200	1.1	0.7*	0.9*	0-0.6	0-0.6

*Indicates noncompliance with NC DOT #67 Stone Specifications.

Froehling & Robertson, Inc.

Tate Erickson
Branch Manager

Larry Barnhill
Senior Engineering Technician

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FROEHLING & ROBERTSON, INC.

Engineering Stability Since 1881

503 Sweeten Creek Industrial Park
Asheville, North Carolina 28803
T 828.274.0742 I F 828.274.8917

September 27, 2011

Report of: **Aggregate Characteristics**

Made for: **Sevee and Maher Engineers, Inc.**

Project: **Blue Ridge Landfill – 6A West Closure**
70N-0036

Sieve Size	% Passing Stone #4	% Passing Stone #5	% Passing Stone #6	Tolerance % Passing #57	Tolerance % Passing #67
1 ½"	100	100	100	100	100
1"	99.7*	100	98.3*	95-100	100
¾"	87.1*	94.1	90.3	-	90-100
½"	44.0	50.6	41.5	25-60	-
3/8"	34.0	23.2	23.5	-	20-55
#4	8.6	6.6	14.2*	0-10	0-10
#8	4.5	3.7	8.2*	0-5	0-5
#200	1.5*	1.3*	2.3*	0-0.6	0-0.6

*Indicates noncompliance with NC DOT #67 Stone Specifications.

Froehling & Robertson, Inc.

Tate Erickson
Branch Manager

Larry Barnhill
Senior Engineering Technician

3E

QUALITY ASSURANCE - COVER SOIL

- LABORATORY GRAIN SIZE
- FIELD IN-PLACE DENSITY TESTS

QUALITY ASSURANCE TESTING SUMMARY - COVER SOIL
EVERGREEN PACKAGING - NUMBER 6 LANDFILL
AREA A-WEST CLOSURE

SAMPLE NUMBER	SAMPLE DATE	LOCATION	MOISTURE CONTENT (%)	GRADATION % PASSIING 3" (%)	GRADATION % PASSING #200 (%)	MAXIMUM DRY DENSITY (PCF)	OPTIMUM MOISTURE CONTENT (%)
					20%		
IPCS-1	9/6/11	SCREEN	21.1	100	20.0		
IPCS-2	9/6/11	SCREEN	22.4	100	27.5		
IPCS-3	9/12/11	South Slope	18.8	100	23.0		
IPCS-4	9/15/11	North Slope	17.3	100	25.8		
IPCS-5	9/29/11	Crown-East	16.0	100	29.9		
IPCS-6	10/13/11	STOCKPILE	16.7	100	26.3		
IPCS-7	10/13/11	STOCKPILE	17.0	100	28.8		
IPCS-8	10/13/11	STOCKPILE	18.2	100	26.4		

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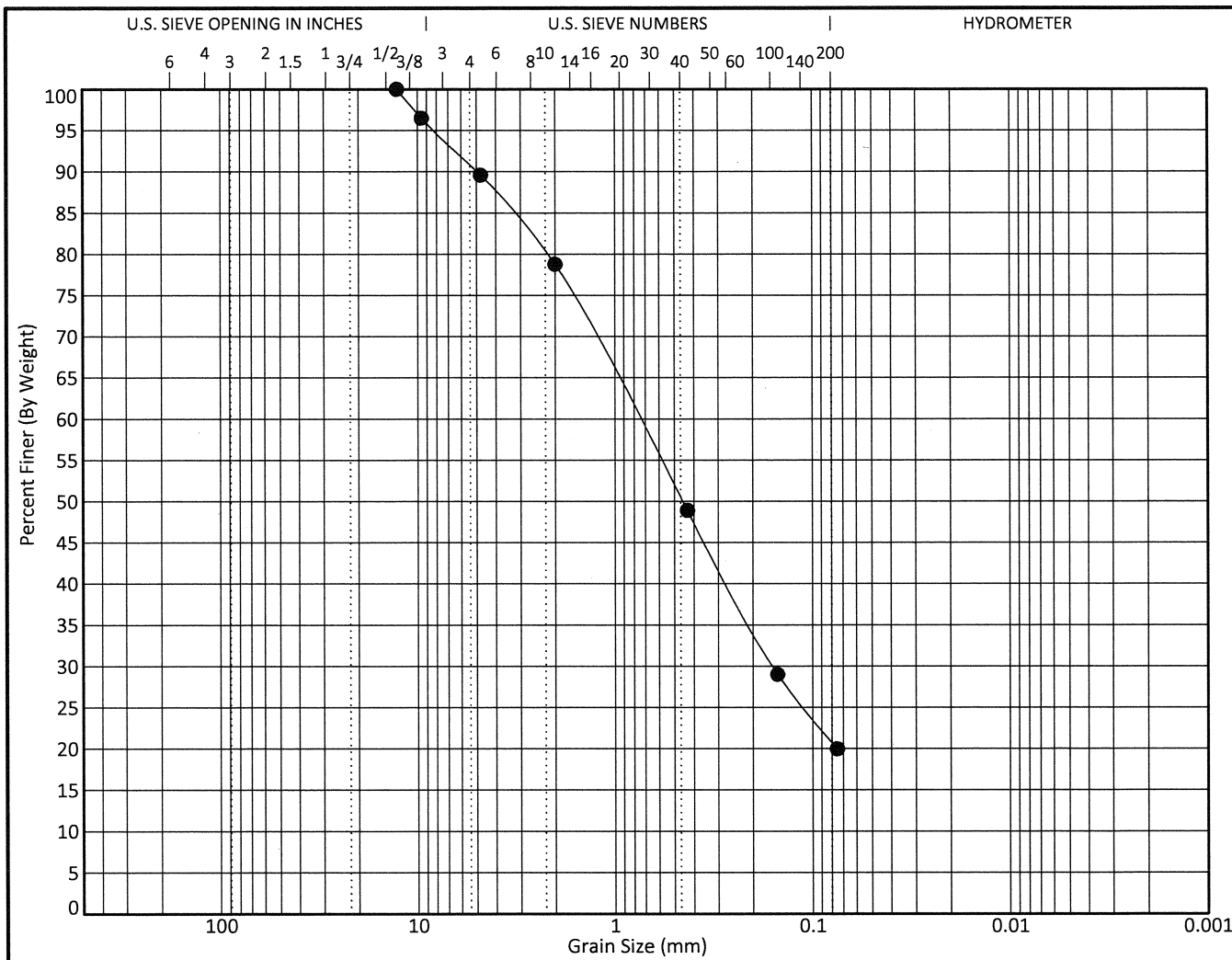
GRAIN SIZE DISTRIBUTION

Project No: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
● IPCS-01	Brown Silty Sand					
	Water Content = 21.1%					

Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● IPCS-01	12.7	0.761	0.158		10.4	69.6	20.0	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 9/14/11

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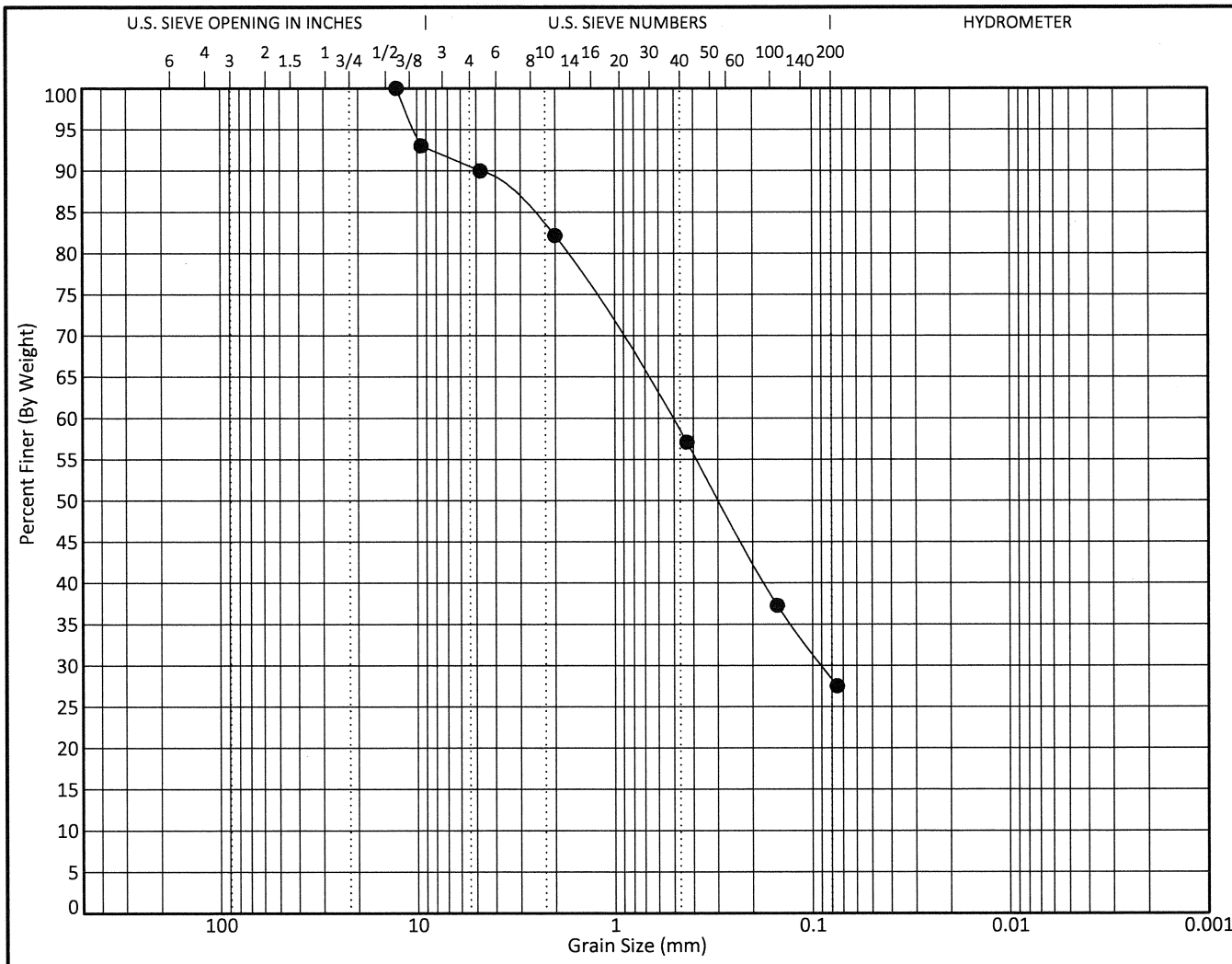
FROEHLING & ROBERTSON, INC.

GRAIN SIZE DISTRIBUTION

Project No: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	IPCS-02	Brown Silty Sand					
		Water Content = 22.4%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	IPCS-02	12.7	0.514	0.089		10.0	62.5	27.5	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 9/14/11

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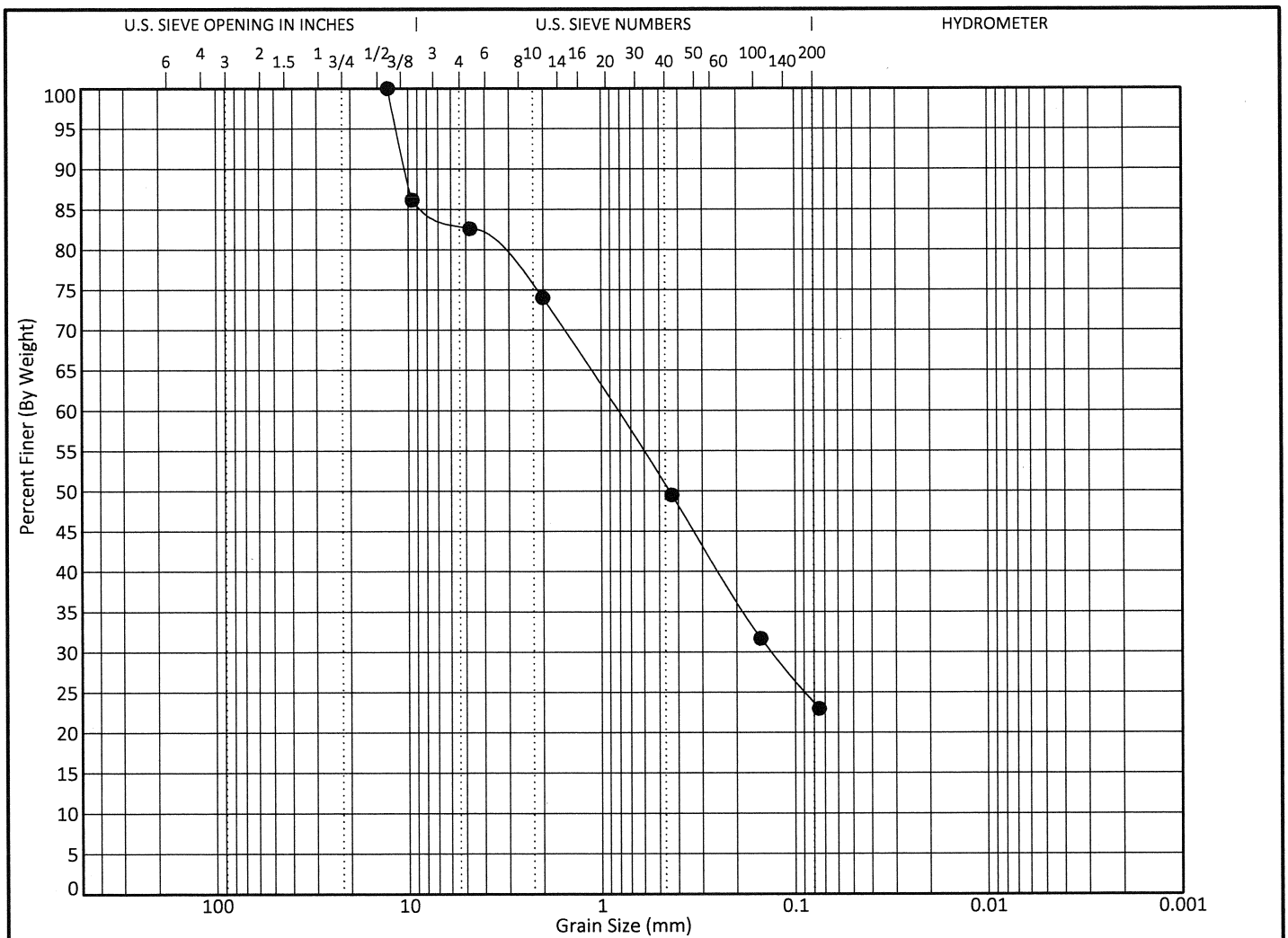
FROEHLING & ROBERTSON, INC.

GRAIN SIZE DISTRIBUTION

Project No: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
● IPCS-03	Brown Silty Sand with Gravel					
	Water Content = 18.8%					

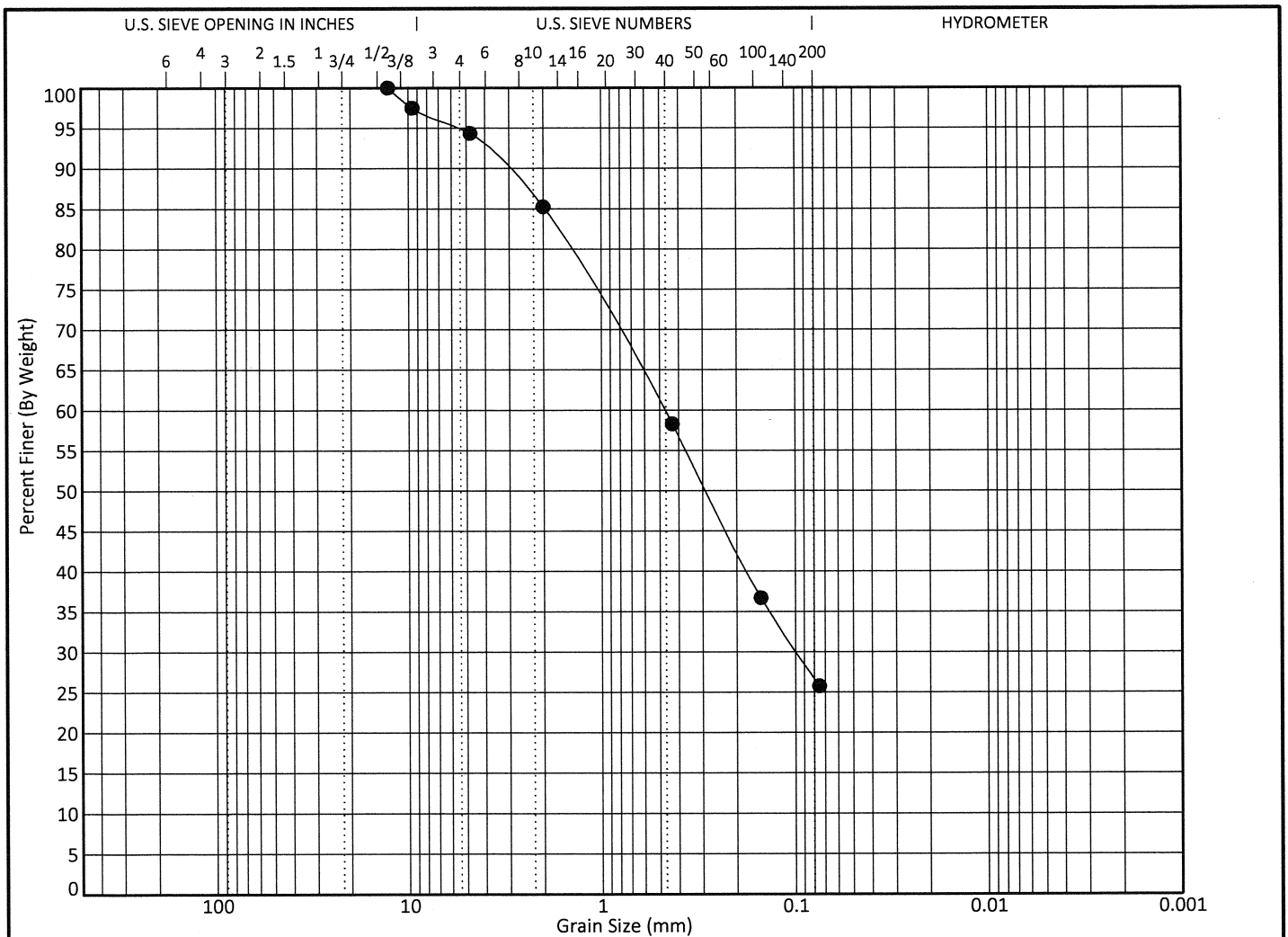
Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● IPCS-03	12.7	0.83	0.131		17.4	59.6	23.0	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 9/27/11

FROEHLING & ROBERTSON, INC.

GRAIN SIZE DISTRIBUTION

Project No: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
● IPCS-04	Brown Silty Sand					
	Water Content=17.3%					

Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● IPCS-04	12.7	0.474	0.098		5.7	68.6	25.8	

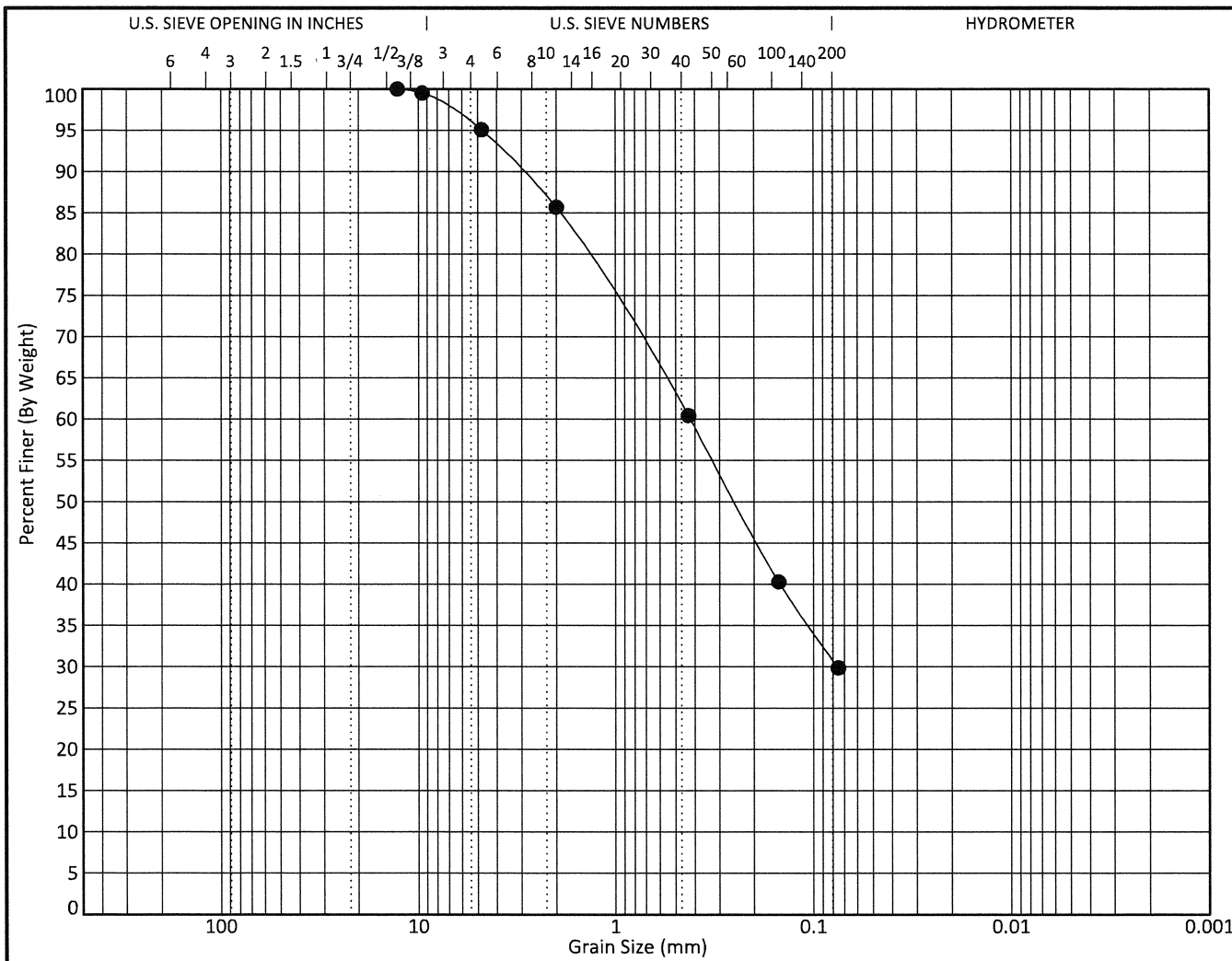
US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 9/28/11

SINCE 1881

FROEHLING & ROBERTSON, INC.

GRAIN SIZE DISTRIBUTION

Project No: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	IPCS-05	Reddish Brown Silty SAND					
		Water Content = 16.0%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	IPCS-05	12.7	0.42	0.076		4.9	65.2	29.9	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 10/24/11

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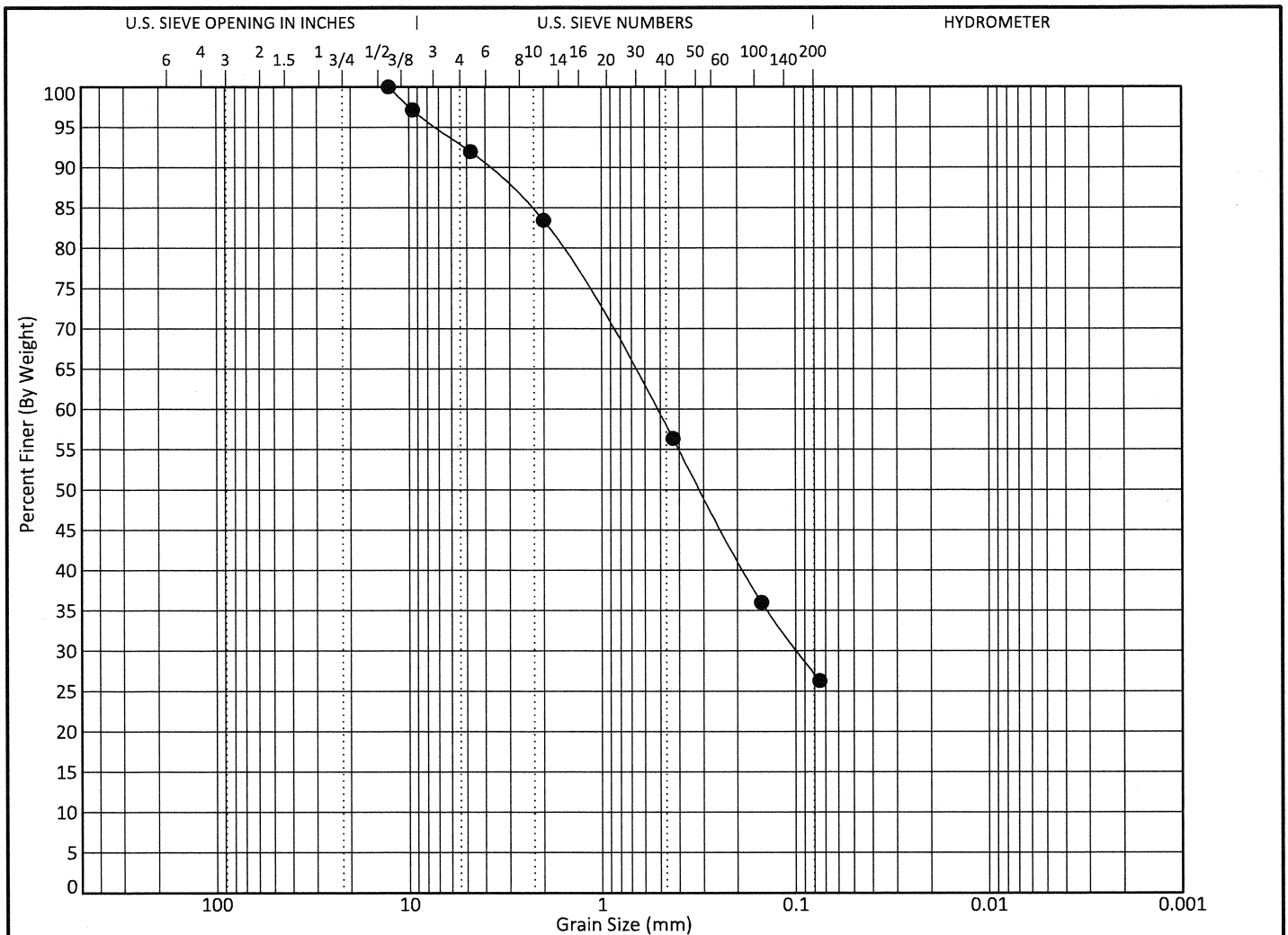

COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	IPCS-06	Reddish Brown Silty SAND					
		Water Content = 16.7%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	IPCS-06	12.7	0.529	0.098		8.0	65.7	26.3	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 10/24/11

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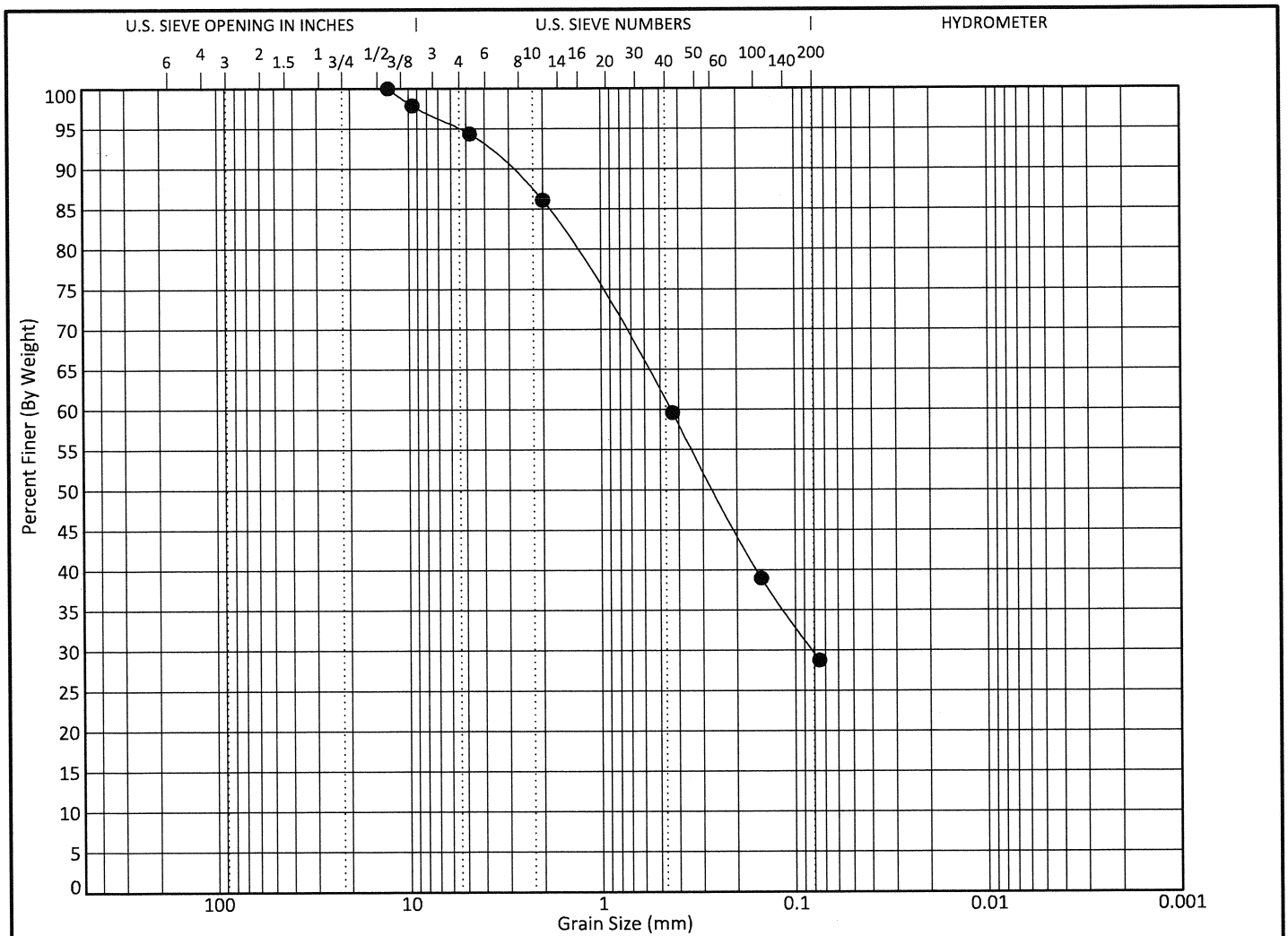


COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
● IPCS-07	Reddish Brown Silty SAND					
	Water Content = 17.0%					

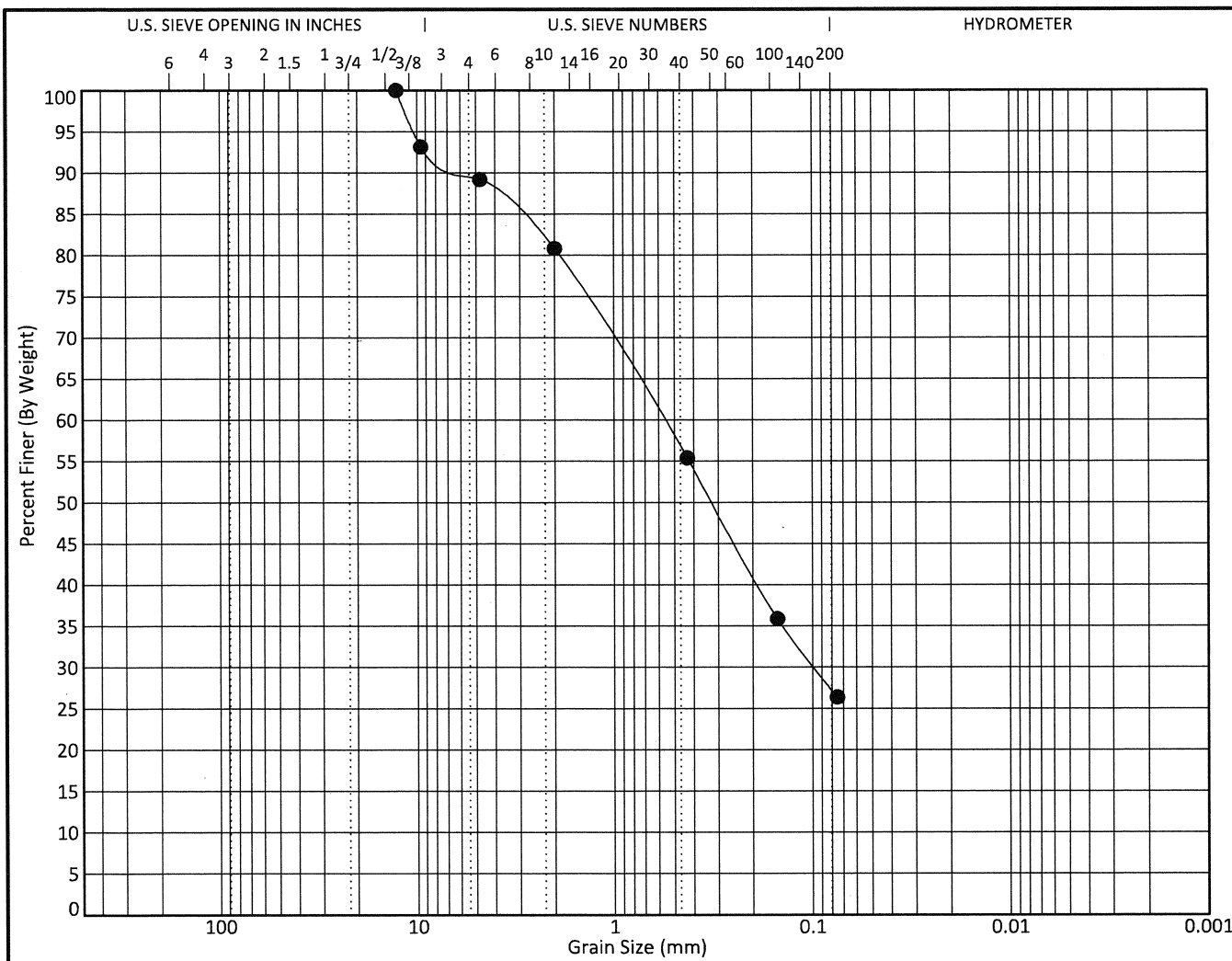
Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● IPCS-07	12.7	0.44	0.082		5.7	65.6	28.8	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 10/24/11

FROEHLING & ROBERTSON, INC.

GRAIN SIZE DISTRIBUTION

Project No: 70N-0036
Client: Sevee & Maher Engineers Inc.
Project: Blue Ridge Paper Landfill
City/State: Canton, North Carolina



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Sample No.	Visual Classification	LL	PL	PI	Cc	Cu
●	IPCS-08	Reddish Brown Silty SAND					
		Water Content = 18.2%					

	Sample No.	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	IPCS-08	12.7	0.567	0.098		10.8	62.8	26.4	

US_GRAIN_SIZE 70N-0036.GPJ F&R.GDT 10/24/11

IN-PLACE COMPACTION TESTS
EVERGREEN PACKAGING - NUMBER 6 LANDFILL
AREA A-WEST CLOSURE

TEST NO.	DATE	MATERIAL	LIFT	GRID	TEST DEPTH (INCHES)	DRY DENSITY (PCF)	WET DENSITY (PCF)	MAX DENSITY (PCF)	PERCENT PROCTOR (%)	MOISTURE CONTENT (%)	PASS/ FAIL	COMMENTS
1	09/13/11	CS	1	J-12	10	107.0	124.9	111.7	95.8	16.7	P	Initial optimum moisture = 16.1%,. As more samples collected the average optimum moisture = 16.5%
2	09/14/11	CS	1	K-12	10	107.8	125.1	111.7	96.5	16.0	P	
3	09/14/11	CS	1	L-13	10	104.5	121.3	111.7	93.6	16.1	P	
4	09/14/11	CS	1	M-13	10	107.2	125.2	111.7	96.0	16.8	P	
5	09/14/11	CS	1	N-12	10	104.5	121.9	111.7	93.6	16.7	P	
6	09/14/11	CS	1	O-12	10	102.4	119.2	111.7	91.7	16.4	P	
7	09/15/11	CS	1	P-13	10	110.9	128.8	111.7	99.3	16.1	P	
8	09/15/11	CS	1	Q-13	10	105.9	123.1	111.7	94.8	16.2	P	
9	09/15/11	CS	1	R-12	10	106.1	124.5	111.7	95.0	17.4	P	
10	09/15/11	CS	1	S-12	10	109.3	127.4	111.7	97.9	16.6	P	
11	09/15/11	CS	1	T-13	10	109.0	126.9	111.7	97.6	16.4	P	
12	09/15/11	CS	1	T-12	10	107.9	126.0	111.7	96.6	16.8	P	
13	09/16/11	CS	1	U-11	10	107.5	125.6	111.7	96.2	16.8	P	
14	09/16/11	CS	1	V-12	10	106.6	124.3	111.7	95.4	16.6	P	
15	09/16/11	CS	1	W-13	10	106.2	124.1	111.7	95.1	16.9	P	
16	09/16/11	CS	1	W-11	10	107.7	126.1	111.7	96.4	17.1	P	
17	09/21/11	CS	1	F-3	10	106.3	123.8	111.7	95.2	16.4	P	

IN-PLACE COMPACTION TESTS
EVERGREEN PACKAGING - NUMBER 6 LANDFILL
AREA A-WEST CLOSURE

TEST NO.	DATE	MATERIAL	LIFT	GRID	TEST DEPTH (INCHES)	DRY DENSITY (PCF)	WET DENSITY (PCF)	MAX DENSITY (PCF)	PERCENT PROCTOR (%)	MOISTURE CONTENT (%)	PASS/ FAIL	COMMENTS
18	09/21/11	CS	1	G-2	10	104.0	123.3	111.7	93.1	18.5	P	
19	09/21/11	CS	1	H-3	10	103.4	121.6	111.7	92.6	17.6	P	
20	09/21/11	CS	1	I-3	10	106.0	123.7	111.7	94.9	16.7	P	
21	09/21/11	CS	1	J-2	10	106.3	123.5	111.7	95.2	16.2	P	
22	09/21/11	CS	1	K-3	10	101.4	118.3	111.7	90.8	16.7	P	
23	09/21/11	CS	1	L-2	10	100.9	119.4	111.7	90.3	18.3	P	
24	09/21/11	CS	1	M-3	10	101.9	118.8	111.7	91.2	16.6	P	
25	09/21/11	CS	1	N-2	10	100.7	119.0	111.7	90.2	18.2	P	
26	09/21/11	CS	1	O-3	10	101.6	121.0	111.7	91.0	19.1	P	
27	09/21/11	CS	1	P-2	10	102.4	122.8	111.7	91.7	19.9	P	
28	09/21/11	CS	1	Q-3	10	103.1	121.5	111.7	92.3	17.9	P	
29	09/21/11	CS	1	R-2	10	102.1	121.3	111.7	91.4	18.8	P	
30	09/21/11	CS	1	S-3	10	101.9	120.4	111.7	91.2	18.2	P	
31	09/21/11	CS	1	T-2	10	101.7	119.9	111.7	91.0	17.9	P	
32	09/21/11	CS	1	U-3	10	104.6	125.0	111.7	93.6	19.5	P	
33	09/21/11	CS	1	V-2	10	104.1	122.5	111.7	93.2	17.7	P	
34	09/22/11	CS	1	B-6	10	105.0	122.8	111.7	94.0	16.9	P	

IN-PLACE COMPACTION TESTS
EVERGREEN PACKAGING - NUMBER 6 LANDFILL
AREA A-WEST CLOSURE

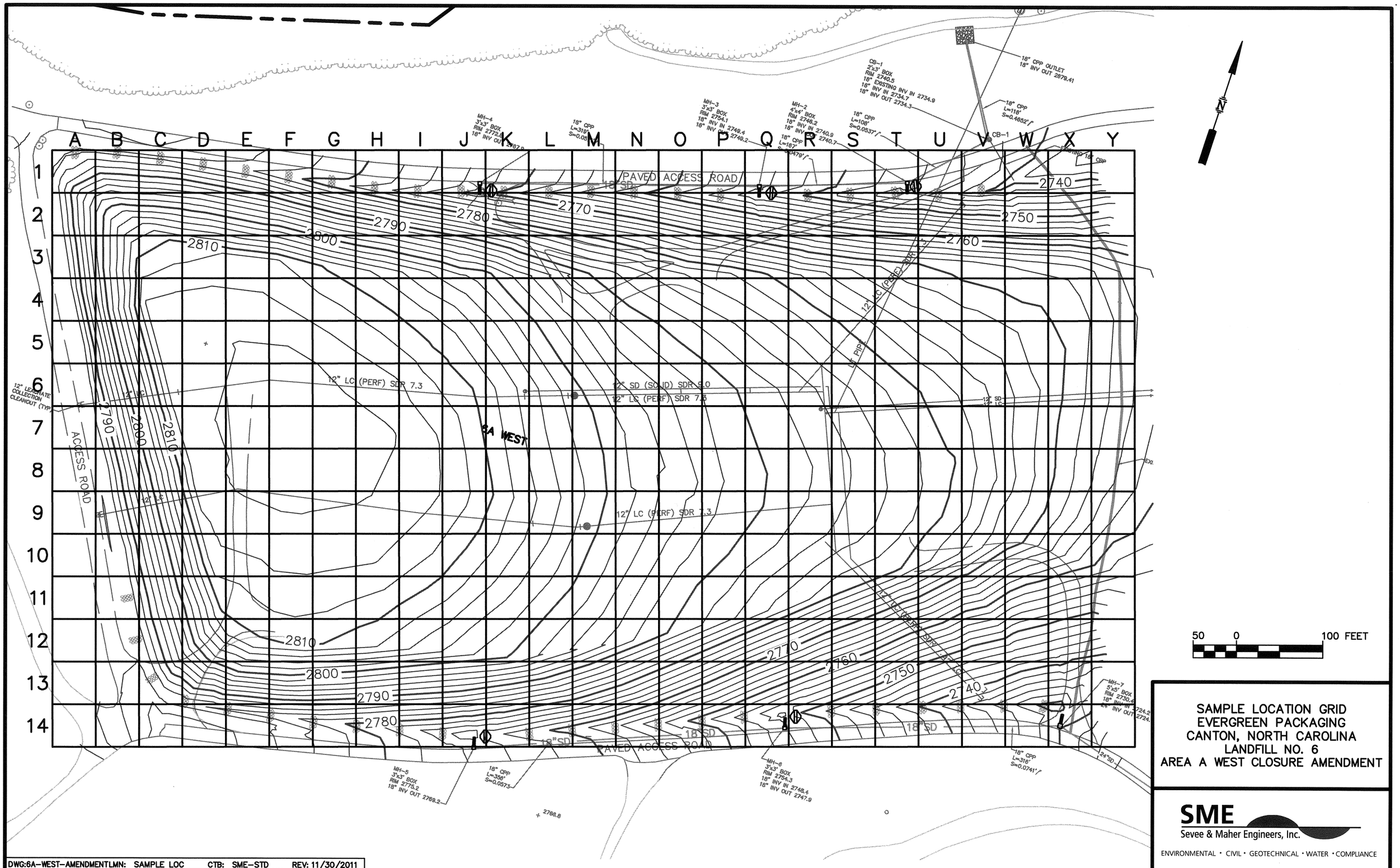
TEST NO.	DATE	MATERIAL	LIFT	GRID	TEST DEPTH (INCHES)	DRY DENSITY (PCF)	WET DENSITY (PCF)	MAX DENSITY (PCF)	PERCENT PROCTOR (%)	MOISTURE CONTENT (%)	PASS/ FAIL	COMMENTS
35	09/22/11	CS	1	C-7	10	106.1	124.3	111.7	95.0	17.1	P	
36	09/22/11	CS	1	B/C-8	10	105.8	124.1	111.7	94.7	17.3	P	
37	09/22/11	CS	1	C-9	10	105.5	123.2	111.7	94.4	16.8	P	
38	09/28/11	CS	1	F-12	10	104.8	125.7	111.7	93.8	19.9	P	
39	09/28/11	CS	1	G-13	10	104.0	124.0	111.7	93.1	19.2	P	
40	09/28/11	CS	1	H-12	10	105.6	123.6	111.7	94.5	17.1	P	
41	09/28/11	CS	1	I-13	10	105.7	122.9	111.7	94.6	16.3	P	
42	09/28/11	CS	1	C/D-12	10	106.4	124.3	111.7	95.3	16.8	P	
43	09/28/11	CS	1	D-13	10	107.2	125.5	111.7	96.0	17.1	P	
44	09/29/11	CS	1	C-10	10	104.5	122.6	111.7	93.6	17.3	P	
45	09/29/11	CS	1	C-11	10	105.1	123.4	111.7	94.1	17.4	P	
46	09/29/11	CS	2	C/D-13	10	103.0	121.7	111.7	92.2	18.1	P	
47	09/29/11	CS	2	D-12	10	104.7	122.4	111.7	93.7	16.9	P	
48	09/30/11	CS	1	T-6	10	106.2	124.7	111.7	95.1	17.4	P	
49	09/30/11	CS	1	T-8	10	107.8	125.8	111.7	96.5	16.7	P	
50	09/30/11	CS	1	U-9	10	104.6	122.3	111.7	93.6	16.9	P	
51	09/30/11	CS	1	U-7	10	103.2	121.9	111.7	92.4	18.1	P	

IN-PLACE COMPACTION TESTS
EVERGREEN PACKAGING - NUMBER 6 LANDFILL
AREA A-WEST CLOSURE

TEST NO.	DATE	MATERIAL	LIFT	GRID	TEST DEPTH (INCHES)	DRY DENSITY (PCF)	WET DENSITY (PCF)	MAX DENSITY (PCF)	PERCENT PROCTOR (%)	MOISTURE CONTENT (%)	PASS/ FAIL	COMMENTS
52	09/30/11	CS	1	V-6	10	103.8	121.6	111.7	92.9	17.1	P	
53	09/30/11	CS	1	V-8	10	106.5	124.9	111.7	95.3	17.3	P	
54	09/30/11	CS	1	W-9	10	103.2	119.9	111.7	92.4	16.2	P	
55	09/30/11	CS	1	W-7	10	103.4	120.8	111.7	92.6	16.8	P	
56	09/30/11	CS	1	W-5	10	104.1	121.3	111.7	93.2	16.5	P	
57	09/30/11	CS	1	R-5	10	105.3	123.7	111.7	94.3	17.5	P	
58	09/30/11	CS	1	R-7	10	104.7	123.1	111.7	93.7	17.6	P	
59	09/30/11	CS	1	S-6	10	105.9	124.2	111.7	94.8	17.3	P	
60	09/30/11	CS	1	S-8	10	105.6	124.6	111.7	94.5	18.0	P	
61	10/03/11	CS	1		10	105.4	122.8	111.7	94.4	16.4	P	
62	10/03/11	CS	1		10	101.1	117.5	111.7	90.5	16.2	P	
63	10/03/11	CS	1		10	105.0	123.9	111.7	94.0	18.0	P	
64	10/03/11	CS	1		10	104.5	122.5	111.7	93.6	17.2	P	
65	10/03/11	CS	1		10	103.9	121.0	111.7	93.0	16.5	P	
66	10/06/11	CS	1		10	104.3	123.0	111.7	93.4	17.9	P	
67	10/06/11	CS	1		10	100.7	118.8	111.7	90.2	18.0	P	
68	10/06/11	CS	1		10	105.7	123.2	111.7	94.6	16.5	P	

IN-PLACE COMPACTION TESTS
EVERGREEN PACKAGING - NUMBER 6 LANDFILL
AREA A-WEST CLOSURE

TEST NO.	DATE	MATERIAL	LIFT	GRID	TEST DEPTH (INCHES)	DRY DENSITY (PCF)	WET DENSITY (PCF)	MAX DENSITY (PCF)	PERCENT PROCTOR (%)	MOISTURE CONTENT (%)	PASS/ FAIL	COMMENTS
69	10/06/11	CS	1		10	101.7	119.9	111.7	91.0	17.9	P	
70	10/06/11	CS	1		10	102.3	120.4	111.7	91.6	17.7	P	
71	10/06/11	CS	1		10	108.6	126.3	111.7	97.2	16.3	P	
72	10/06/11	CS	1		10	110.9	128.8	111.7	99.3	16.2	P	
73	10/06/11	CS	1		10	104.8	123.1	111.7	93.8	17.4	P	
74	10/06/11	CS	1		10	110.1	128.4	111.7	98.6	16.6	P	
75	10/06/11	CS	1		10	109.2	127.2	111.7	97.8	16.5	P	
76	10/07/11	CS	1		10	105.3	124.3	111.7	94.3	18.1	P	
77	10/07/11	CS	1		10	100.9	118.7	111.7	90.3	17.7	P	
78	10/07/11	CS	1		10	107.4	124.7	111.7	96.2	16.1	P	
79	10/07/11	CS	1		10	106.8	124.3	111.7	95.6	16.3	P	
80	10/07/11	CS	1		10	100.9	117.9	111.7	90.3	16.9	P	
81	10/10/11	CS	1		10	111.6	129.7	111.7	99.9	16.2	P	
82	10/10/11	CS	1		10	108.2	126.1	111.7	96.9	16.5	P	
83	10/17/11	CS	1		10	110.8	129.8	111.7	99.2	17.1	P	
84	10/17/11	CS	1		10	106.3	125.1	111.7	95.2	17.7	P	
85	10/17/11	CS	1		10	105.4	123.8	111.7	94.4	17.4	P	



SAMPLE LOCATION GRID
EVERGREEN PACKAGING
CANTON, NORTH CAROLINA
LANDFILL NO. 6
AREA A WEST CLOSURE AMENDMENT

SME
Sevee & Maher Engineers, Inc.
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

DWG:6A-WEST-AMENDMENTLMN: SAMPLE LOC CTB: SME-STD REV: 11/30/2011

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3F

QUALITY ASSURANCE - VEGETATIVE SOIL

- **AGRONOMIC TESTING**

NCDA&CS Agronomic Division Phone: (919)733-2655 Web site: www.ncagr.gov/agronomi/ Report No: 07407

Soil Test Report

SERVING N.C. RESIDENTS FOR OVER 60 YEARS

Grower: **Giauque, Jim**
175 Main St
PO Box 4000
Canton, NC 28716

Copies To: Curtis, Robert

Farm:

Received: 09/26/2011 **Completed:** 10/06/2011 Links to Helpful Information **Haywood County**

Agronomist Comments 4

Field Information		Applied Lime			Recommendations												
Sample No.	*Last Crop*	*Mo*	*Yr*	*T/A*	*Crop or Year*	*Lime*	*N*	*P2O5*	*K2O*	*Mg*	*S*	*Cu*	*Zn*	*B*	*Mn*	*See Note*	
Ts1					1st Crop: Lawn	0	(20 lbs 5-10-10 or EQUIV	PER 1000 SQ FT)			0			.0		4	
					2nd Crop:						0			.0			

Test Results

Soil Class	*HM%*	*W/V*	*CEC*	*BS%*	*Ac*	*pH*	*P-I*	*K-I*	*Ca%*	*Mg%*	*Mn-I*	*Mn-AI(1)*	*Mn-AI(2)*	*Zn-I*	*Zn-AI*	*Cu-I*	*S-I*	*SS-I*	*NO3-N*	*NH4-N*	*Na*
MIN	0.04	1.11	2.3	61.0	0.9	5.9	6	36	20.0	31.0	649			29	29	26	88				0.1

Field Information		Applied Lime			Recommendations												
Sample No.	*Last Crop*	*Mo*	*Yr*	*T/A*	*Crop or Year*	*Lime*	*N*	*P2O5*	*K2O*	*Mg*	*S*	*Cu*	*Zn*	*B*	*Mn*	*See Note*	
TS2					1st Crop: Lawn	0	(20 lbs 5-10-10 or EQUIV	PER 1000 SQ FT)			0			.0		4	
					2nd Crop:						0			.0			

Test Results

Soil Class	*HM%*	*W/V*	*CEC*	*BS%*	*Ac*	*pH*	*P-I*	*K-I*	*Ca%*	*Mg%*	*Mn-I*	*Mn-AI(1)*	*Mn-AI(2)*	*Zn-I*	*Zn-AI*	*Cu-I*	*S-I*	*SS-I*	*NO3-N*	*NH4-N*	*Na*
MIN	0.04	1.11	2.0	70.0	0.6	6.0	4	35	27.0	32.0	676			30	30	37	109				0.2

Field Information		Applied Lime			Recommendations												
Sample No.	*Last Crop*	*Mo*	*Yr*	*T/A*	*Crop or Year*	*Lime*	*N*	*P2O5*	*K2O*	*Mg*	*S*	*Cu*	*Zn*	*B*	*Mn*	*See Note*	
TS3					1st Crop: Lawn	0	(20 lbs 5-10-10 or EQUIV	PER 1000 SQ FT)			0			.0		4	
					2nd Crop:						0			.0			

Test Results

Soil Class	*HM%*	*W/V*	*CEC*	*BS%*	*Ac*	*pH*	*P-I*	*K-I*	*Ca%*	*Mg%*	*Mn-I*	*Mn-AI(1)*	*Mn-AI(2)*	*Zn-I*	*Zn-AI*	*Cu-I*	*S-I*	*SS-I*	*NO3-N*	*NH4-N*	*Na*
MIN	0.04	1.08	2.1	71.0	0.6	6.0	5	35	30.0	31.0	689			31	31	34	95				0.1

North Carolina
Tobacco Trust Fund Commission

Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
- Steve Troxler, Commissioner of Agriculture

Understanding the Soil Test Report

prepared by
David H. Hardy
M. Ray Tucker
J. Kent Messick
Catherine Stokes

published by
N.C. Department of Agriculture
& Consumer Services
Agronomic Division

Miscellaneous Publication
revised September 2003

UNDERSTANDING THE SOIL TEST REPORT

WHAT IS A SOIL TEST?

A soil test chemically extracts and measures the elements essential to plant nutrition. It also measures soil acidity and pH. These factors are indicators of lime requirement, nutrient availability, and the potential of the soil to produce crops.

The NCDA&CS Agronomic Division carries out two types of soil tests: predictive and diagnostic. The predictive test focuses on the fertilization necessary to optimize yields. The diagnostic test focuses on identifying specific deficiencies or excesses that are interfering with optimal plant growth.

Predictive Soil Testing

Lime and fertilizer recommendations in North Carolina are based on field experiments conducted across a variety of soil types and cropping sequences. The rates suggested are designed to eliminate fertility as a limiting factor in optimum crop production.

Other factors that have a strong impact on yield are soil moisture; planting date; variety; weed, insect, disease, and nematode pressure; soil compaction; etc. If any of the these factors are less than optimum, reduced yields result. Optimum production requires reasonable management of all the factors involved in the overall crop production scheme.

Continuous field calibration research is essential to determine fertility requirements dictated by changes in farming practices and cropping sequences. These studies are being conducted by North Carolina State University researchers in conjunction with the NCDA&CS agronomists.

The North Carolina soil test uses the Mehlich-3 extractant. Results may or may not agree with other state or private laboratories depending on their method of extraction and other laboratory variables. Growers are encouraged to use a laboratory that is supported by field research within their state.

Diagnostic Soil Testing

Problem soil samples are handled separately from the routine samples. In addition to the routine analyses, levels of nitrate nitrogen (***NO_3-N***) and soluble salts (***SS-I***) may be determined.

Problem soil sample test results are reviewed by an agronomist. The agronomist makes appropriate comments regarding the cause of the problem and any recommended treatment.

Plant analysis, in conjunction with a diagnostic soil test, is the best way to ascertain a nutrient problem. It is also wise to collect soil and plant samples from both "good" and "bad" areas for comparison purposes. Soil and plant samples from the same vicinity should be labeled the same to facilitate comparison.

ASSISTANCE AVAILABLE

An effort has been made to report soil test results and recommendations in a manner that can be understood by growers. NCDA&CS agronomists and North Carolina Cooperative Extension personnel are available to assist growers in the interpretation and implementation of the results. The fertilizer industry will also help growers interpret their soil test reports and address their fertilizer needs.

In essence, a soil test recommendation is a lime and fertilizer prescription that is ultimately filled by local agri-supply dealers. Without soil test results, fertilizer suppliers are somewhat handicapped in advising farmers of their lime and fertilizer needs. If they make general fertilizer recommendations without a soil test, undue criticism may be levied toward their product if crop response is poor.

THE REPORT

The heading contains the report number, date, grower's name and address, and a list of other people receiving a copy of the report. Each sheet contains field information, applied lime history, recommendations, and test results for up to five soil samples. The **Agronomist Comments** section may contain a discussion of test results. Interpretive information about the index system is also enclosed as a cover sheet with all soil test reports.

Agronomist Comments

This section is located on the first page of the soil test report above the **Field Information** section. Reports for diagnostic samples provide helpful comments and discussion.

Field Information

This section contains the ***Sample No.***, which is the same identification number that you provided on your soil sample information form.

Applied Lime

If you indicated that lime was applied within 12 months prior to your current sample, this information has been used to determine the residual lime credit (RC). Residual lime credit is calculated only if you provided the date and rate of application on the sample information form. For an explanation of the residual credit calculation and its impact on your lime recommendation, refer to the section titled LIME later in this document.

Test Results

The abbreviated headings that appear in the **Test Results** section of the soil test report are explained briefly in Figure 1. Detailed explanations follow under the appropriate headings.

Many of the nutrients are reported as indices. Table 1 relates these indices to general nutrient availability and indicates the likelihood of crop response to fertilization. Table 2 shows micronutrient application rates by soil type, nutrient, and application method.

SOIL CLASS

Each soil sample is classified as mineral (MIN), mineral-organic (M-O), or organic (ORG). These classifications are made based on the humic matter percent (***HM%***) and weight/volume ratio (***W/V***). Each soil class has a different target pH: 6.0–6.5 for MIN soils, 5.5 for M-O soils, and 5.0 for ORG soils.

Mineral soils require a higher pH to neutralize exchangeable aluminum so that plant growth is not affected. Since M-O and ORG soils contain less exchangeable aluminum due to their lower mineral content, a lower pH can be maintained without any detrimental effects to crop production. In addition, since M-O and ORG soils have much higher buffering capacity, it is not economically feasible or agronomically practical to apply lime at rates sufficient to raise the soil pH to 6.0.

Table 1. Crop Response to Fertilization as Related to Soil Test Levels

Index	Nutrient Status	Response* to Applied P	K	Mn	Zn	Cu
0–10	Very Low	VH	VH	VH	VH	VH
11–25	Low	H	H	H	H	H
26–50	Medium	M**	M**	N	N	N
51–100	High	N	L/N	N	N	N
100+	Very High	N	N	N	N	N

* Crop response to fertilizer is expected to be very high (VH), high (H), medium (M), low (L) or none (N).
** Response decreases as soil test index increases.

Table 2. Recommended Micronutrient Rates*

Soil Class	Banded Mn	Banded Zn	Broadcast Mn	Broadcast Zn	Broadcast Cu	Foliar Spray Mn	Foliar Spray Zn	Foliar Spray Cu
MIN	3	3	10	6	2	1/2	1/2	1/4
M-O	3	3	10	6	4	1/2	1/2	1/4
ORG	3	3	10	6	6	1/2	1/2	1/4

* Rates = lb element per acre.

Figure 1. Explanation of Soil Test Results

Percent Humic Matter

Weight/Volume (g/cm^3)

Cation Exchange Capacity (meq/100 cm^3)

Base Saturation: Percentage of CEC occupied by the basic cations Calcium (Ca), Magnesium (Mg), & Potassium (K)

Exchangeable Acidity (meq/100 cm^3)

Soil pH: Measure of the active acidity (H^+) in the soil solution

Phosphorus (P) index

Test Results

Soil Class	*HM%*	*W/V*	*CEC*	*BS%*	*Ac*	*pH*	*P-I*	*K-I*	*Ca%*	*Mg%*	*Mn-I*	*Mn-Al(1)*	*Mn-Al(2)*	*Zn-I*	*Zn-Al*	*Cu-I*	*S-I*	*SS-I*	*NO_3-N*	*NH_4-N*	*Na*
MIN	1.5	1.24	6.5	82	1.2	5.5	92	84	61.3	13.8	23	31	24	85	85	40	50				0.2

Potassium index

Percentage of CEC occupied by calcium

Percentage of CEC occupied by magnesium

Manganese index

Manganese-availability index for the first crop

Manganese-availability index for the second crop

Zinc index

Zinc-availability index

Copper index

Sulfur index

Soluble salt index

Nitrate (NO_3^-) & ammonium (NH_4^+) nitrogen, expressed in mg/dm^3

Sodium expressed as meq/100 cm^3

HUMIC MATTER (*HM%*)

The humic matter percent represents a percentage of the soil organic matter that is soluble in a dilute alkaline solution (NaOH). The ***HM%*** is reported in g/100 cm^3 and is a measurement of humic and fulvic acid components of the soil. This portion of the total organic matter represents the chemically active organic fraction used in determining lime rates.

The relative humic matter content may or may not represent the total organic matter content of a soil. For example, sandy soils have a very low organic matter content and a correspondingly low ***HM%***. In contrast, organic soils may have in excess of 50% organic matter with a ***HM%*** of less than 10. This implies that most of the organic matter in ORG soils has not been decomposed to the humic and fulvic acid fractions. In a general sense, ***HM%*** is related to the weight/volume ratio (***W/V***): that is, as the ***W/V*** increases, the ***HM%*** usually decreases.

WEIGHT/VOLUME RATIO (*W/V*)

The weight/volume ratio, expressed in g/cm^3, is used to classify the sample's soil type. For example, a very sandy soil may have a ***W/V*** of 1.50 g/cm^3, whereas that of an organic soil may be as low as 0.5 g/cm^3. Soils high in clay fall within these two extremes. ***W/V*** is generally inversely related to the cation exchange capacity (***CEC***) of the soil: that is, soils with a high ***W/V*** generally have a low ***CEC***.

CATION EXCHANGE CAPACITY (*CEC*)

The cation exchange capacity is a relative measure of the nutrient-holding capacity of a soil. It is measured in meq/100 cm^3. ***CEC*** is determined by summation of the extractable calcium, magnesium, potassium, and exchangeable acidity (***Ac***).

The ***CEC*** of North Carolina soils ranges from low (less than 2.0 meq/100 cm^3) for sandy soils to as high as 25 meq/100 cm^3 for clay and organic soils.

A high ***CEC*** is desirable because nutrients are less subject to leaching and adequate quantities of nutrient reserves can be maintained. However, sandy soils, by nature, have a low ***CEC***, and little can be done to change this phenomenon. The ***CEC*** will vary with changes in soil pH, organic matter, and clay content.

BASE SATURATION (*BS%*)

The base saturation is an expression of the portion of the ***CEC*** that is occupied by basic cations, principally calcium, magnesium, and potassium. ***BS%*** and ***pH*** are directly correlated: as ***pH*** increases, so does ***BS%***. A higher base saturation also corresponds to a lower level of soil acidity.

EXCHANGEABLE ACIDITY (*Ac*)

Exchangeable acidity represents that portion of the ***CEC*** that is occupied by hydrogen (H^+) and aluminum (Al^{+++}) and is expressed as meq/100 cm^3. Exchangeable acidity is one of the measurements used in calculating the lime recommendation.

CURRENT pH

The ***pH*** is a measure of the active acidity in the soil solution. The ***pH*** value alone does not determine how much lime is required but is used in conjunction with exchangeable acidity (***Ac***) in determining lime rates. The ***pH*** determination is useful for indicating when too much lime has been applied and for evaluating micronutrient availability, particularly manganese.

PHOSPHORUS (*P-I*) & POTASSIUM (*K-I*) INDICES

Levels of phosphorus and potassium are reported as indices. The index ranges are as follows: 0–10 is very low; 11–25 is low; 26–50 is medium; 51–100 is high; and 100+ indicates very high levels of these nutrients.

When levels are low, plants will respond to addition of these nutrients. At medium levels, plant response will depend on particular crop needs. At high nutrient levels, a favorable crop response to fertilization is not generally expected. Soil test indices above 100 are very high, and no fertilization is recommended, except for high value crops.

The fertilizer recommendation is based on the soil test results and varies depending on the crop to be grown. Refer to Table 1 for P and K ratings and crop response to fertilizer at given soil test levels.

CALCIUM (*Ca%*) & MAGNESIUM (*Mg%*) PERCENTS

Levels of calcium and magnesium are reported as percentages of the ***CEC***. For example, if the ***Ca%*** is 62, then 62% of the soil's capacity to hold nutrients is occupied by Ca. Seldom is Ca low enough in the soil to cause a deficiency. Peanuts are an exception, and in this case, landplaster ($CaSO_4$) is a good source of supplemental Ca. In general, Ca is the predominant cation in most soils. Ca determination is essential to calculate the ***CEC*** and to evaluate the relationship among Ca, Mg and K.

The ***Mg%*** value determines whether Mg should be added to the soil. Dolomitic lime or a Mg fertilizer are both good sources. Multiplying ***Mg%*** by ***CEC*** gives you the amount of Mg present in meq/100 cm^3. The following guidelines are useful in evaluating the Mg status of a soil:

1. If there is at least 0.5 meq/100 cm^3, Mg application is not necessary.
2. If there is less than 0.5 meq/100 cm^3 and ***Mg%*** is less than 10%, apply Mg.
3. If there is less than 0.5 meq/100 cm^3 but more than 0.25 meq/100 cm^3 and ***Mg%*** is greater than 10%, Mg application is not necessary.
4. If there is no more than 0.25 meq/100 cm^3, Mg application is necessary. Usually 25–30 lb of Mg per acre are suggested when needed.

Additional information regarding magnesium is provided in the *$ Note*.

MANGANESE INDEX (*Mn-I*)

This index is a measure of Mn levels in the soil. Since Mn availability is very closely associated with soil pH, a Mn-availability index (***Mn-AI***) is calculated, depending on crop sensitivity to this element.

MANGANESE AVAILABILITY INDEX (*Mn-AI*)

Two manganese indices are given when recommendations for a second crop are included. ***Mn-AI(1)*** is the manganese availability index for the first crop; ***Mn-AI (2)*** applies to the second crop. ***Mn-AI*** values decrease as soil pH increases. Values above 25 are considered sufficient for most crops if the pH is below 6.0.

If ***Mn-AI*** is 25 or below and a rate is shown for the first crop, the reader is referred to the *$ Note* for suggestions on manganese application. This notation is designed to bring this nutrient to your attention in the event it was not applied to the first crop.

ZINC INDEX (*Zn-I*)

This index is a measure of Zn levels in the soil. Zn availability is also influenced by soil pH. Unlike Mn availability, Zn availability is not based directly on pH. Zinc availability depends on the target pH of the soil class.

ZINC AVAILABILITY INDEX (*Zn-AI*)

The zinc availability index is based on soil class as follows: 1.0 × ***Zn-I*** for MIN soils, 1.25 × ***Zn-I*** for M-O soils, and 1.66 × ***Zn-I*** for ORG soils. The critical ***Zn-AI*** is 25; above this index level, zinc is considered sufficient for most crops.

COPPER INDEX (*Cu-I*)

The ***Cu-I*** is a measure of plant-available copper in the soil. Adjustments in its availability are not made as they are for Mn and Zn.

SULFUR INDEX (*S-I*)

A value for ***S-I*** is given, but no rate for sulfur application is recommended. S is rarely lacking in piedmont or mountain soils due to their high clay content. Under normal growing conditions, S is also sufficient on organic soils.

S, however, does leach very readily from sandy topsoils. It accumulates in the subsoil where it is still available for crop use. Therefore, the S content in the plow layer alone is not a good indicator of the S status in the soil.

If the ***S-I*** for the plow layer of deep sandy soils is less than 25, however, there is a high probability that S should be included in the fertilizer. A rate of 20–25 lb of S per acre should satisfy most crop requirements.

SOLUBLE SALT INDEX (*SS-I*)

The ***SS-I*** represents the relative content of fertilizer salts within a soil. The results are expressed in 10^{-5} mho/cm, which is a measure of electrical conductivity.

This assessment is made on soil tested from greenhouses or problem fields. For greenhouse soils, the effect of soluble salts in different media is explained in the Notes included with the report. For problem field soils, an interpretive comment is provided only if salt levels are abnormally high.

NITRATE NITROGEN (NO_3-N)

This test gives an indication of the level of available nitrogen at the time of sampling. It is performed only for greenhouse and some problem field soils. Since nitrogen leaches very readily and fluctuates considerably with rainfall and soil texture, NO_3-N has little predictive value for field soil samples. Test results are reported in mg/dm^3, which is equivalent to parts/million on a volume basis.

AMMONIUM NITROGEN (NH_4-N)

This test is performed at the discretion of a staff agronomist. The values, when reported, are expressed as mg/dm^3 (parts per million on a volume basis).

SODIUM (*Na*)

Sodium is evaluated for all samples. Values less than 0.4 meq/100 cm^3 are inconsequential to plant nutrition. However, values greater than 0.4 to 0.5 meq/100 cm^3 on sandy soils may indicate that sodium accounts for 15 to 20% of the ***CEC***. Such levels could interfere with plant uptake of calcium, magnesium, and potassium and also adversely affect soil structure.

Recommendations

Fertilizer and lime recommendations depend on the information supplied on the sample information form. Recommendations are given for "1st Crop" and "2nd Crop," depending on the crops specified on the sample information form.

When recommendations for two crops with different target pHs are requested, the lime recommendation given will be for the crop that is least acid tolerant. Therefore, the higher of two possible lime recommendations will be given.

Soil test calibration for micronutrients (boron, copper, manganese, and zinc) is not as well defined as for the primary and secondary nutrient elements. However, with the increased concern about maximizing yields through better management practices, micronutrients have gained more attention. Hence, research efforts to refine the calibration for micronutrient soil tests in relation to yields have increased. In addition, advances in laboratory instrumentation have led to more accurate determination of critical soil test levels.

LIME

Lime rates for field crops are expressed in tons/acre (T) or lb/1000 ft^2 (M) for small areas such as lawns and gardens. Rate calculation involves soil pH, exchangeable acidity (*Ac*), target pH, and residual lime credit (*RC*). The formula is

$$\text{tons lime / acre} = Ac \left[\frac{\text{target pH} - \text{current pH}}{6.6 - \text{current pH}} \right] - RC$$

RC is the amount of lime applied in the last 12 months that has not reacted with soil acidity. Residual credit for lime applied varies with soil type over time. *RC* is reduced by 8% per month for MIN soils and 16% per month for M-O and ORG soils. The *RC* is reduced at a greater rate for the latter two soils because they contain higher levels of acidity that increase the reaction rate of lime. The equation for determining *RC* is as follows:

$$RC = (\text{months})(\text{rate})(\text{reduction percentage})$$

where

- *months* is the number of months between lime application and the current soil test,
- *rate* is tons of lime applied per acre,
- *reduction percentage* is 0.08 for MIN soils and 0.16 for M-O and ORG soils.

To convert tons/acre to lb/1000 ft^2, multiply tons/acre by 46. Example: 0.8 tons/acre × 46 = 36.8 lb/1000 ft^2.

NITROGEN (*N*)

Nitrogen is not routinely tested on field soils, but a range of suggested application rates (lb/acre) is given in the ***N*** column. These rates were established for each crop based on field research studies and observations. Supplemental N applications may be required under certain soil and climatic conditions. *Note 3*, which accompanies the soil test report for field crops, offers suggestions on conditions under which supplemental N may be needed.

PHOSPHATE (P_2O_5)

The rate or range of P_2O_5 recommended is based on the ***P-I*** value, soil type, and the specific crop requirement. Crop requirement is determined by rate studies on a number of different soils and cropping situations. Equations have been established to meet the majority of soil and crop conditions.

POTASH (K_2O)

The rate or range of potash recommended was established in the same manner as phosphate.

MAGNESIUM (*Mg*)

If the amount of magnesium in the soil sample is found to be below a pre-established critical level, a *$* will appear in the ***Mg*** column. The *$* refers the reader to the *$ Note* enclosed with the soil test report. The note discusses options for applying secondary nutrients and micronutrients, including Mg. If lime is recommended for your soil, use of dolomitic lime will provide adequate Mg.

MANGANESE (*Mn*)

The need for manganese is evaluated for all crops on the basis of response similar to corn and soybeans. The availability of Mn is affected by soil pH, that is, as the soil pH increases, Mn availability decreases. This relationship has been established and is used to calculate the Mn-availability index (***Mn-AI***). The critical ***Mn-AI*** value is 25.

A zero (*0*) will appear in the ***Mn*** column if the soil test level is considered adequate. A rate will be shown for corn, corn silage, sweet corn, soybeans, peanuts, small grains, and both flue-cured and burley tobacco when the ***Mn-AI*** is 25 or below.

If a rate is recommended for the first crop, a *$* appears on the line for the second crop. The *$* brings this nutrient element to your attention in case it was not applied to the first crop. When soil levels of Mn are low for crops without established response data, a *$* appears on the soil test report. This symbol refers you to the *$ Note* for suggestions on supplemental manganese treatments.

COPPER (*Cu*)

A rate for copper will be recommended if the ***Cu-I*** value is 25 or below for specific crops that have been shown to respond to fertilization. Uniform broadcasting and thorough incorporation contribute to optimum Cu applications. If the ***Cu-I*** is 25 or below and data on crop response are lacking, refer to the *$ Note*, which gives suggestions about Cu application.

If a rate is recommended for the first crop, a *$* will appear on the line for the second crop. The *$* brings this nutrient element to your attention in case it was not applied on the first crop. The *$* will appear when the ***Cu-I*** is 25 or below and when Cu response data are limited or unavailable. The *$ Note* contains further information on rates of application and is sent out with each report that indicates a micronutrient deficiency.

A potential Cu toxicity is indicated whenever a *C* appears under ***Cu*** in the Recommendations section of your report. The *C* alerts the grower that the ***Cu-I*** is greater than 2000. The critical toxic level for Cu is 3000. If this notation appears on your soil test report, check the **Agronomist Comments** section for further information.

ZINC (*Zn*)

A rate for zinc may be given if the Zn-availability index (***Zn-AI***) is 25 or below. A rate is

given for specific crops that have shown a response to Zn. The current recommendation for Zn is 6.0 lb/acre broadcast or 3.0 lb/acre banded.

If a rate is recommended for the first crop, a *$* appears on the line for the second crop. The *$* brings this nutrient element to your attention in case it was not applied to the first crop. The *$* will appear when ***Zn-AI*** is 25 or below for crops on which data are limited or unavailable. The *$ Note* provides further information on rates of application.

A potential zinc toxicity is indicated whenever a *Z* appears under ***Zn*** in the Recommendations section of your report. The *Z* alerts the grower that the ***Zn-I*** is greater than 2000. The critical toxic level for Zn is 3000 for most crops. Peanuts are very sensitive to zinc, so growers are alerted when ***Zn-I*** = 300 or 500 (critical toxic level). If this notation appears on your soil test report, check the **Agronomist Comments** section for further information.

BORON (*B*)

Boron recommendations are made for crops that are known to respond to this micronutrient. Recommendations are based on field studies for various crops. Actual levels of B in the soil are not measured.

ATTACHMENT 4

SUBMITTALS

CONCRETE
(HEADWALLS & APRONS)

SOUTHERN CONCRETE MATERIALS, INC.

(SELLER)
P. O. BOX 5395
ASHEVILLE, NC 28813
(828) 253-6421
U. S. WATS 800-288-6421

FAX (828) 254-3024

Gentlemen AUGUST 15, 2011

We are pleased to quote on the following materials required for your work on the project hereinafter identified
EVERGREEN LANDFILL, CANTON N.C.

subject to General Terms and Conditions Of Sale stated below and on reverse side hereof which are incorporated herein as part of this proposal.

DESCRIPTION	SIZE OF COARSE AGGREGATE	UNIT PRICE
STANDARD WEIGHT CONCRETE CONTAINS TYPE I/II CEMENT(GRAY), TYPE F FLY ASH & C-33 AGGREGATE, ANY SPECIALTY PRODUCTS, TESTING, ETC. OTHER THAN THOSE QUOTED WOULD RESULT IN A PRICE INCREASE, ANY VARIATION FROM THIS MIX WOULD ALSO RESULT IN A PRICE ADJUSTMENT.		
3000 PSI #57 AGG. .50 W/C/R W/FLY ASH	**W/ AI(MIX # 30615E**	**$ 99.75 CU. YD**
COMMERCIAL FIBER 1 ½# PER		**$ 7.00 CU. YD.**

NOTE: PRICING IS FIRM UNTIL 1-1-2012

1. Prices are based on our standard mixes.
2. N.C. Sales tax, and county tax if applicable, are *not* included in the above price.
3. Specifications which deviate from our standard mixes will require special pricing.
4. Conditions and terms which are not set forth in this quotation and its acceptance are null and void and of no effect and will not be binding on either party hereto. No modifications or transfer of this contract after acceptance shall be binding upon Southern Concrete Materials, Inc. unless made in writing and signed by one of its officers.
5. An additional charge will be made for all deliveries before 7 A.M. or after 6 P.M. on weekdays and for all deliveries on Saturdays, Sundays, and all legal holidays.
6. This quotation expires thirty (30) days from date of bid. Prices named are firm until (SEE ABOVE),after which deliveries will be at our current price.***
7. $ 00.00 per truck/load Fuel & environmental charge.**********
8. Any cost incurred in cooling concrete, ICE, would be passed directly to contractor at cost + 10%.
9. Hot water is available at all S.C.M. plants.

We appreciate this opportunity to quote on your concrete needs, and we look forward to serving you.
ACCEPTED:

Respectfully submitted,
SOUTHERN CONCRETE MATERIALS, INC. (Seller)

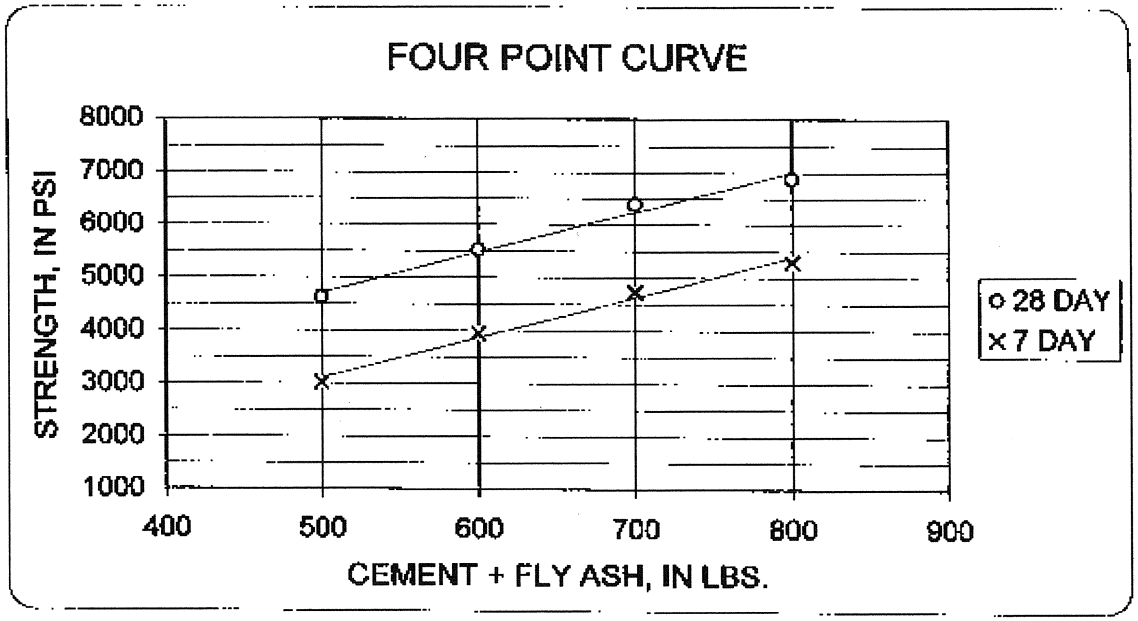
Southern Concrete Materials

EVERGREEN LANDFILL
9/15/2011 3000 PSI 3/4" AGG W/FLY ASH N / AIR
TENNOCA MIX # 3604
CANTON N.C. W30615E

MATERIALS	SSD BATCH WEIGHTS	VOLUME,CU.FT	SP.GR.
CEMENT	430	2.188	3.15
SLAG	0	0.000	2.93
FLY ASH TYPE F	130	0.926	2.25
TOTAL CEMENT MATERIAL	560		
COARSE AGG. 3/4	1900	10.836	2.81
COARSE AGG. 3/8"		0.000	2.74
FINE AGGREGATE	1157	7.025	2.64
WATER, GALS.	33	4.405	
AIR CONTENT %	6	1.620	6%+- 1 1/2% ENTRAINED
AIR ENTRAINMENT,OZS.	AS REQUIRED		SLUMP 3"-5"
WATER REDUCER, OZS.	8 OZ/100 WT.		
SUPERPLASTICIZER	AS REQUIRED		
WATER CEMENT RATIO	0.49	27.000	
TOTAL WEIGHT	3892.21		
UNIT WEIGHT,LBS/CU.FT.	144.16		

MATERIALS	SOURCE
CEMENT	LEHIGH PORTLAND ROCKBRIDGE MD.
SLAG	NONE
FLYASH	SOUTH EASTERN TYPE F
COARSE AGGREGATE	HARRISON, ALLEN'S CREEK
COARSE AGGREGATE	NONE
FINE AGGREGATE	B & T COLUMBIA S.C.
WATER, GALS.	CITY
AIR ENTRAINMENT	MASTER BUILDERS MICRO AIR
WATER REDUCER	MASTER BUILDERS POLYHEED 997
SUPERPLASTICIZER	MASTER BUILDERS RHEOBILD 1000

SOUTHERN CONCRETE MATERIALS, ASHEVILLE, NC



********** DATE: 11-8-2010

TO PRODUCE ONE CUBIC YARD OF CONCRETE WITH SSD MATERIALS

MATERIAL	SOURCE	QTY.	CONTROL NO. 1	2	3	4
		W/C	0.55	0.46	0.41	0.35
WATER	CITY	GALS.	33.0	33.0	34.0	34.0
CEMENT	LEHIGH BIRMINGHAM ALA.	LBS.	400	480	560	640
FLY ASH	SOUTH EASTERN TYPE F	LBS.	100	120	140	160
STONE	HARRISON ALLENS CK.	LBS.	1900	1900	1900	1900
SAND	B & T COLUMBIA S.C.	LBS.	1275	1184	1072	982
W.R.A.	POLYHEED M.B.	OZ.	40.0	48.0	56.0	64.0
AIR. ENT	MICRO AIR M.B.	OZ.	2.0	3.0	5.0	8.0
	SLUMP IN INCHES		4.0	4.0	4.3	4.0
	AIR IN %		5.5	5.4	5.3	5.1
	UNIT WEIGHT IN LBS.		145.8	145.7	145.6	146.2
	YIELD IN CU. FT.		27.1	27.2	27.2	27.1
COMPRESSIVE STRENGTHV IN PS		7 DAY	*3070*	*3910*	*4720*	*5310*
		7 DAY	*2970*	*3980*	*4750*	*5280*
		28 DAY	*4440*	*5620*	*6390*	*6860*
		28 DAY	*4820*	*5420*	*6400*	*6920*

FROEHLING AND ROBERTSON

MICHAEL CIFALDI

FROEHLING & ROBERTSON, INC.
Engineering • Environmental • Geotechnical

503 Sweeten Creek Industrial Park
Asheville, North Carolina 28803-1530
T 828.274.0742 | F 828.274.8917
NC License #F-0266

January 4, 2011

REPORT OF CONCRETE MIX VERIFICATION

Client: Southern Concrete Materials, Inc.
PO Box 5395
Asheville, NC 28813

Project: Harrison Inc.- Allens Creek Quarry #57 C.A./20% Flyash/ Air Entrained
70M-0010

Date Batched: 11/15/10
Technician: L. Barnhill

Materials Used To Produce Mix, Quantity SSD/Cubic Yard					
Mix No.		951	952	953	954
Lehigh Portland Cement, Type I/II	lbs	400	480	560	640
SEFA Cliffside STA Class F Flyash	lbs	100	120	140	160
City of Asheville Water	lbs	275	275	283	283
Allens Creek Q. #67 C.A.	lbs	1900	1900	1900	1900
B.T Edmund Pit F.A.	lbs	1275	1184	1072	982
BASF Polyheed 997	ozs	40.0	48.0	56.0	64.0
BASF Micro Air	ozs	2.0	3.0	5.0	8.0
W/C.R.		.550	.458	.404	.354
Slump	ins	4.00	4.00	4.25	4.00
Air Content	%	5.5	5.4	5.3	5.1
Density	pcf	145.8	145.7	145.6	146.2
Yield	cu. ft	27.09	27.17	27.16	27.12
Concrete Temperature	°F	70	71	73	74
Compressive Strength Results					
7 Day Compressive Strength	psi	3070	3910	4720	5310
7 Day Compressive Strength	psi	2970	3980	4750	5280
7 Day Compressive Strength	psi	2900	3850	4800	5190
28 Day Compressive Strength	psi	4440	5620	6390	6860
28 Day Compressive Strength	psi	4820	5420	6400	6920
28 Day Compressive Strength	psi	4860	5410	6310	7050

Note: The above mixes were designed to produce a slump of 3 to 5 inches with an air content of 3 to 7%. Admixture dosage is subject to variation at plant due to temperature changes and/or other factors.

Froehling & Robertson, Inc.

Tate Erickson
Branch Manager

Larry Barnhill
Senior Engineering Technician

Report of: Aggregate Characteristics

Made for: Southern Concrete Materials, Inc. – Asheville, NC

Project: Harrison Inc. – Allens Creek Quarry
70M-0010

Sieve Size	% Passing Aggregate #1	% Passing Aggregate #2	% Passing Aggregate #3
1 ½"	-	-	-
1"	100	-	-
¾"	86	-	-
½"	29	100	-
3/8"	11	89	-
#4	2.6	27	100
#8	1.5	4.8	97
#16	1.5	2.0	79
#30	1.4	1.7	46
#50	1.3	1.4	17
#100	1.1	1.1	3.6
#200	0.7	0.8	0.4
Fineness Modulus	6.94	5.73	2.57
Specific Gravity	2.81	2.83	2.64
Absorption %	0.6	0.6	0.5
Organic	-	-	

Aggregate #1 – Harrison Inc. – Allens Creek Quarry #57 C.A.
Aggregate #2 – Harrison Inc. – Allens Creek Quarry #78M C.A.
Aggregate #3 – B&T Edmund Pit F.A.

EROSION CONTROL MATERIAL

S-75
SC-250

FERGUSON®
Waterworks

605 EDBAR ST.
ASHEVILLE, NC 28803
PHONE# 828-277-7100
FAX# 828-277-7187

Submittal
9/16/11

JOB NAME: Evergreen Landfill

JOB LOCATION: Canton, NC

CONTRACTOR: Tennoca Construction Company

Tensar International Corporation
5401 St. Wendel-Cynthiana Road
Poseyville, Indiana 47633
Tel. 800.772.2040
Fax 812.867.0247
www.nagreen.com

Material and Performance Specification
S75 Erosion Control Blanket

Description

The short-term single net erosion control blanket shall be a machine-produced mat of 100% agricultural straw with a functional longevity of up to 12 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographical location, and elevation). The blanket shall be of consistent thickness with the straw evenly distributed over the entire area of the mat. The blanket shall be covered on the top side with a lightweight photodegradable polypropylene netting having an approximate 0.50 x 0.50 (1.27 x 1.27 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread. The blanket shall be manufactured with a colored thread stitched along both outer edges (approximately 2-5 inches [5-12.5 cm] from the edge) as an overlap guide for adjacent mats.

The S75 shall meet Type 2.C specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) *FP-03 Section 713.17*

Index Property	Test Method	Typical
Thickness	ASTM D6525	0.37 in (9.4 mm)
Resiliency	ECTC Guidelines	78.8%
Water Absorbency	ASTM D1117	426%
Mass/Unit Area	ASTM 6475	11.97 oz/yd^2 (407 g/m^2)
Swell	ECTC Guidelines	15%
Smolder Resistance	ECTC Guidelines	Yes
Stiffness	ASTM D1388	6.31 oz-in
Light Penetration	ECTC Guidelines	7.3%
Tensile Strength –MD	ASTM D6818	130.8 lbs/ft (1.94 kN/m)
Elongation – MD	ASTM D6818	24.4%
Tensile Strength – TD	ASTM D6818	85.2 lbs/ft (1.26 kN/m)
Elongation – TD	ASTM D6818	26.8%

Material Content

Matrix	100% Straw Fiber	0.5 lbs/yd^2 (0.27 kg/m^2)
Netting	Top side only, lightweight photodegradable	1.5 lb/1000 ft^2 (0.73 kg/100 m^2) approx. weight
Thread	degradable	

Maximum Permissible Shear Stress

Unvegetated Shear Stress	1.55 lbs/ft^2 (74 Pa)
Unvegetated Velocity	5.00 ft/s (1.52 m/s)

Standard Roll Sizes

Width	6.67 ft (2.03 m)	8.0 ft (2.44 m)	16.0 ft (4.87 m)
Length	108 ft (32.92 m)	112 ft (34.14 m)	108 ft (32.92 m)
Weight ± 10%	40 lbs (18.14 kg)	50 lbs (22.68 kg)	96 lbs (43.54 kg)
Area	80 yd^2 (66.9 m^2)	100 yd^2 (83.61 m^2)	192 yd^2 (165.5 m^2)

Slope Design Data: C Factors

	Slope Gradients (S)		
Slope Length (L)	≤ 3:1	3:1 – 2:1	≥ 2:1
≤ 20 ft (6 m)	0.029	NA	NA
20-50 ft	0.11	NA	NA
≥ 50 ft (15.2 m)	0.19	NA	NA

Bench Scale Testing (NTPEP)

Test Method	Parameters	Results
ECTC 2 Rainfall	50 mm (2 in)/hr-30 min 100mm (4 in)/hr-30 min 150 mm (6 in)/hr-30 min	SLR** = 8.80 SLR** = 8.16 SLR** = 7.81
ECTC 3 Shear Res.	Shear at 0.50 inch soil loss	1.80 lbs/ft^2
ECTC 4 Germination	Top Soil, Fescue, 21 day incubation	228% improvement of biomass

* Bench Scale tests should not be used for design purposes
** Soil Loss Ratio = Soil Loss Bare Soil/Soil Loss with RECP

Roughness Coefficients- Unveg.

Flow Depth	Manning's n
≤ 0.50 ft (0.15 m)	0.055
0.50 – 2.0 ft	0.055 – 0.021
≥ 2.0 ft (0.60 m)	0.021

Proud Participant of:

Tensar International Corporation warrants that at the time of delivery the product furnished hereunder shall conform to the specification stated herein. Any other warranty including merchantability and fitness for a particular purpose, are hereby executed. If the product does not meet specifications on this page and Tensar is notified prior to installation, Tensar will replace the product at no cost to the customer. **This product specification supersedes all prior specifications for the product described above is and is not applicable to any products shipped prior to January 1, 2011.**

Tensar International Corporation
5401 St. Wendel-Cynthiana Road
Poseyville, Indiana 47633
Tel. 800.772.2040
Fax 812.867.0247
www.nagreen.com

Material and Performance Specification
SC250 Turf Reinforcement Mat

Description

The composite turf reinforcement mat (C-TRM) shall be a machine-produced mat of 70% straw and 30% coconut fiber matrix incorporated into permanent three-dimensional turf reinforcement matting. The matrix shall be evenly distributed across the entire width of the matting and stitch bonded between a heavy duty UV stabilized nettings with 0.50 x 0.50 inch (1.27 x 1.27 cm) openings, an ultra heavy UV stabilized, dramatically corrugated (crimped) intermediate netting with 0.5 x 0.5 inch (1.27 x 1.27 cm) openings, and covered by an heavy duty UV stabilized nettings with 0.50 x 0.50 inch (1.27 x 1.27 cm) openings. The middle corrugated netting shall form prominent closely spaced ridges across the entire width of the mat. The three nettings shall be stitched together on 1.50 inch (3.81cm) centers with UV stabilized polypropylene thread to form permanent three-dimensional turf reinforcement matting. All mats shall be manufactured with a colored thread stitched along both outer edges as an overlap guide for adjacent mats.

The SC250 shall meet Type 5A, B, and C specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) *FP-03 Section 713.18*

Index Property	Test Method	Typical
Thickness	ASTM D6525	0.72 in (18.3 mm)
Resiliency	ASTM 6524	95.2%
Density	ASTM D792	0.53 oz/in^3
Mass/Unit Area	ASTM 6566	17.88oz/yd^2 (606 g/m^2)
UV Stability	ASTM D4355 /1000 hr	100%
Porosity	ECTC Guidelines	99%
Stiffness	ASTM D1388	222.65 oz-in
Light Penetration	ECTC Guidelines	8.9%
Tensile Strength –MD	ASTM D6818	620 lbs/ft (9.05 kN/m)
Elongation – MD	ASTM D6818	35%
Tensile Strength – TD	ASTM D6818	737 lbs/ft (10.75 kN/m)
Elongation – TD	ASTM D6818	16%

Material Content

Matrix	70% Straw Fiber 30% Coconut Fiber	0.35 lbs/yd^2 (0.27 kg/m^2) 0.15 lbs/yd^2 (0.08 kg/m^2)
Netting	Top and Bottom, UV stabilized Polypropylene Middle, Corrugated UV stabilized Polypropylene	5 lb/1000 ft^2 (2.44 kg/100 m^2) 24 lb/1000 ft^2 (11.7 kg/100m^2)
Thread	Polypropylene, UV stable	

Maximum Permissible Shear Stress

	Short Duration	Long Duration
Phase 1 Unvegetated	3.0 lbs/ft^2 (144 Pa)	2.5 lbs/ft^2 (120Pa)
Phase 2 Partially Veg.	8.0 lbs/ ft^2 (383 Pa)	8.0 lbs/ft^2 (383 Pa)
Phase 3 Fully Veg.	10.0 lbs/ft^2 (480 Pa)	8.0 lbs/ ft^2 (383 Pa)
Unvegetated Velocity	9.5 ft/s (2.9 m/s)	
Vegetated Velocity	15 ft/s (4.6 m/s)	

Standard Roll Sizes

Width	6.5 ft (2.0 m)
Length	55.5 ft (16.9 m)
Weight ± 10%	34 lbs (15.42 kg)
Area	40 yd^2 (33.4 m^2)

Slope Design Data: C Factors

	Slope Gradients (S)		
Slope Length (L)	≤ 3:1	3:1 – 2:1	≥ 2:1
≤ 20 ft (6 m)	0.0010	0.0209	0.0507
20-50 ft	0.0081	0.0266	0.0574
≥ 50 ft (15.2 m)	0.0455	0.0555	0.081

Bench Scale Testing (NTPEP)

Test Method	Parameters	Results
ECTC 2 Rainfall	50 mm (2 in)/hr-30 min 100mm (4 in)/hr-30 min 150 mm (6 in)/hr-30 min	SLR** = 18.25 SLR** = 20.97 SLR** = 22.74
ECTC 3 Shear Res.	Shear at 0.50 inch soil loss	7.7 lbs/ft^2
ECTC 4 Germination	Top Soil, Fescue, 21 day incubation	523% improvement of biomass

* Bench Scale tests should not be used for design purposes
** Soil Loss Ratio = Soil Loss Bare Soil/Soil Loss with RECP

Roughness Coefficients- Unveg.

Flow Depth	Manning's n
≤ 0.50 ft (0.15 m)	0.040
0.50 – 2.0 ft	0.040-0.012
≥ 2.0 ft (0.60 m)	0.011

Proud Participant of:

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Tensar® | NORTH AMERICAN GREEN®

Vmax3® Composite Reinforcement Series

SC250®

ROLL - OUT DIRECTION

☐ 6.5 ft x 55.5 ft / 40 yd²
(2 m x 16.9 m / 33.8 m²)

QDOR™ PERFORMANCE VERIFIED

☐ Other_____

NORTH AMERICAN GREEN®

A tensar® Company

☐ 4 ft x 135 ft / 60 yd²
(1.22 m x 41.15 m / 50 m²)

☐ 6.67 ft x 108 ft / 80 yd²
(2 m x 32.9 m / 65.8 m²)

☐ 8 ft x 112.5 ft / 100 yd²
(2.44 m x 34.29 m / 83.66 m²)

☐ 16 ft x 108 ft / 192 yd²
(4.87 m x 32.9 m / 160.2 m²)

☐ Other_____

ROLL - OUT DIRECTION

QDOR™ PERFORMANCE VERIFIED

S75®

GEOTEXTILE

TENCATE
Mirafi®

Drainage

Mirafi® 140NC

Mirafi® 140NC is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi® 140NC is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	100 (445)	100 (445)
Grab Tensile Elongation	ASTM D4632	%	60	60
Toughness	Grab Tensile Strength x Elongation	lbs	6000	
Trapezoid Tear Strength	ASTM D4533	lbs (N)	45 (200)	45 (200)
CBR Puncture Strength	ASTM D6241	lbs (N)	250 (1113)	
Apparent Opening Size (AOS)[1]	ASTM D4751	U.S. Sieve (mm)	70 (0.212)	
Permittivity	ASTM D4491	sec^{-1}	2.0	
Flow Rate	ASTM D4491	$gal/min/ft^2$ ($l/min/m^2$)	140 (5704)	
Mass / Unit Area	ASTM D5261	oz/yd^2 (g/m^2)	4.0 (136)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

[1] ASTM D4751: AOS is a Maximum Opening Diameter Value
NTPEP No. GTX-08-04-19

Physical Properties	Unit	Typical Value	
Roll Dimensions (width x length)	ft (m)	12.5 x 360 (3.8 x 110)	15 x 360 (4.5 x 110)
Roll Area	yd^2 (m^2)	500 (418)	502 (600)
Estimated Roll Weight	lb (kg)	146 (66)	175 (79)

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Made in USA

TENCATE
materials that make a difference

FGS000388
ETQR37

HDPE PIPE
(STORM DRAINS)

ADS N-12® ST IB PIPE (per ASTM F2648) SPECIFICATION

Scope
This specification describes 4- through 60-inch (100 to 1500 mm) ADS N-12 ST IB pipe (per ASTM F2648) for use in gravity-flow land drainage applications.

Pipe Requirements
ADS N-12 ST IB pipe (per ASTM F2648) shall have a smooth interior and annular exterior corrugations.

- 4- through 60-inch (100 to 1500 mm) shall meet ASTM F2648.
- Manning's "n" value for use in design shall be 0.012.

Joint Performance
Pipe shall be joined using a bell & spigot joint meeting ASTM F2648. The joint shall be soil-tight and gaskets, when applicable, shall meet the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable wrap to ensure the gasket is free from debris. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly.

Fittings
Fittings shall conform to ASTM F 2306. Bell and spigot connections shall utilize a spun-on or welded bell and valley or saddle gasket meeting the soil-tight joint performance requirements of ASTM F 2306.

Material Properties
Material for pipe production shall be an engineered compound of virgin and recycled high density polyethylene conforming with the minimum requirements of cell classification 424420C (ESCR Test Condition B) for 4- through 10-inch (100 to 250 mm) diameters, and 435420C (ESCR Test Condition B) for 12- through 60-inch (300 to 1500 mm) diameters, as defined and described in the latest version of ASTM D3350, except that carbon black content should not exceed 4%. The design engineer shall verify compatibility with overall system including structural, hydraulic, material and installation requirements for a given application.

Installation
Installation shall be in accordance with ASTM D2321 and ADS recommended installation guidelines, with the exception that minimum cover in trafficked areas for 4- through 48-inch (100 to 1200 mm) diameters shall be one foot. (0.3 m) and for 60-inch (1500 mm) diameters, the minimum cover shall be 2 ft. (0.6 m) in single run applications. Backfill for minimum cover situations shall consist of Class 1 (compacted), or Class 2 (minimum 90% SPD) material. Maximum fill heights depend on embedment material and compaction level; please refer to Technical Note 2.02. Contact your local ADS representative or visit our website at www.ads-pipe.com for a copy of the latest installation guidelines.

Pipe Dimensions

	Nominal Diameter, in (mm)												
Pipe I.D. in (mm)	4 (100)	6 (150)	8 (200)	10 (250)	12 (300)	15 (375)	18 (450)	24 (600)	30 (750)	36 (900)	42 (1050)	48 (1200)	60 (1500)
Pipe O.D.** in (mm)	4.8 (122)	6.9 (175)	9.1 (231)	11.4 (290)	14.5 (368)	18 (457)	22 (559)	28 (711)	36 (914)	42 (1067)	48 (1219)	54 (1372)	67 (1702)
Perforations	All diameters available with or without perforations.												

*Check with sales representative for availability by region.
**Pipe O.D. values are provided for reference purposes only, values stated for 12- through 60-inch are ± 1 inch. Contact a sales representative for exact values.

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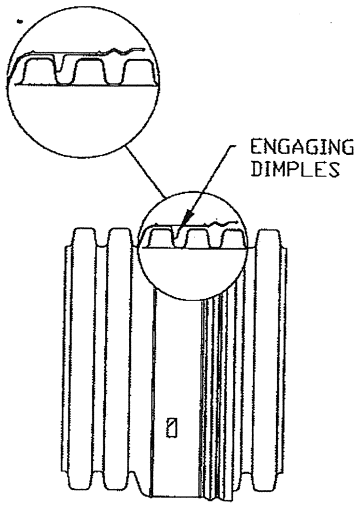
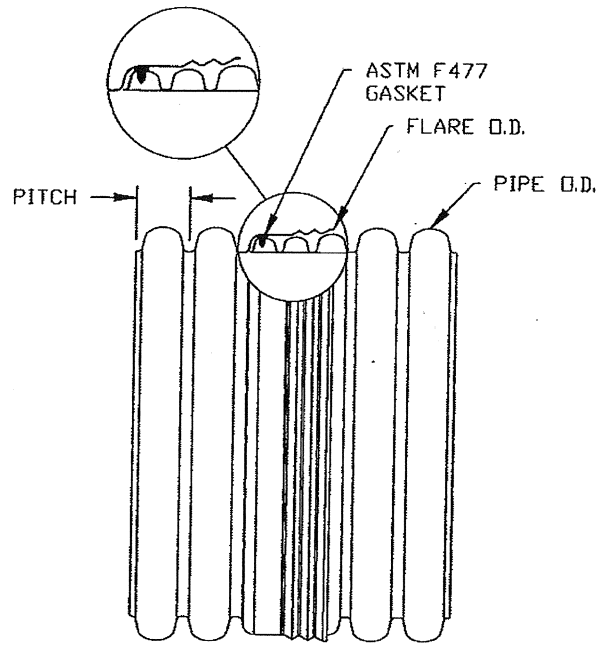
N-12® ST IB (per ASTM F2648) JOINT SYSTEM

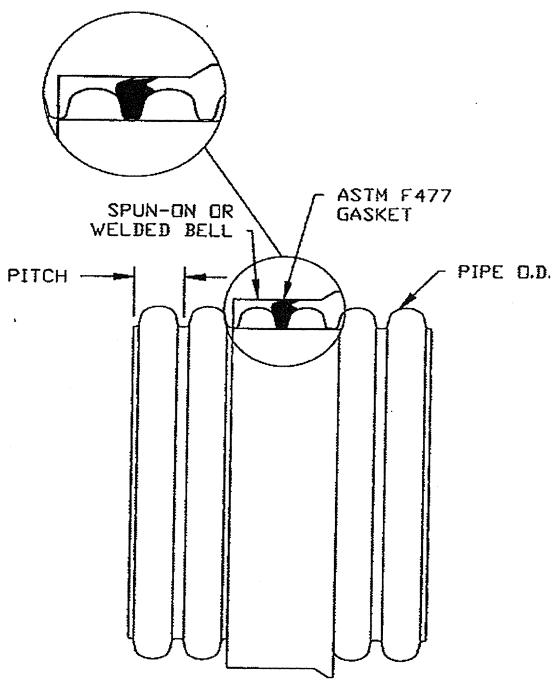
(Joint configuration & availability subject to change without notice. Product detail may differ slightly from actual product appearance.)



4" - 10"
(100-250 MM)



12" - 60"
(300-1500 MM)



4" - 60"
(100-1500 MM)

© ADS, Inc., May 2009

SEED MIX

Delivery Bill of Lading

PIONEER SPECIAL MIX

20 BAGS 100 @ 80

GREEN SEED.

PURE SEED:

		TEST DATE	GERM	ORIGIN
46.00 %	TALL FESCUE KY31	7-11	80%	KS.
11.00 %	FESCUE CREEPING RED *	4-11	85%	CAN.
11.00 %	KENTUCKY BLUEGRASS *	5-10	85%	WA.
11.00 %	UNHULLED SERICEA *	1-11	85%	MO.
09.00 %	KOREAN LESPEDEZEA	8-11	85%	KS.
09.00 %	ANNUAL RYEGRASS *	8-11	85%	OR
03.00 %	WHITE DUTCH CLOVER	3-11	85%	OR
.00 %	OTHER CROP			
.00 %	INERT MATTER			
.00 %	WEED SEEDS			

NET WEIGHT: 50 LBS
LOT NO: PM201109

* VARIETY NOT STATED

NOXIOUS WEEDS PER LB: NONE FOUND

Notice To Buyer: Exclusions of Warranties

Seller warrants that its seeds conform to the label description, as required by federal and state seed laws. Seller makes no other warranties, express or implied, of merchantability, fitness for a particular purpose, or otherwise.

Limitations of Damages and Remedies

Liability for damages for any cause, including breach of contract, breach of warranty, and negligence, with respect to this sale of seeds is limited to a refund of the purchase price of the seeds. This remedy is exclusive. In no event shall the seller be liable for any incidental or consequential damages, including loss of profits

Green Seed Co., Inc. P.O. BOX 27186 KNOXVILLE, TN. 37927

4.5 BAGS PER ACRE

ATTACHMENT 5

ANALYTICAL RESULTS – ORCHARD SOIL

REPORT PREPARED: 11/29/2011 08:43

FOR: Evergreen Packaging, NC (assessment)

SUMMARY REPORT

TCLP RCRA Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SS11-001)			Arsenic mg/Kg	Barium mg/Kg	Cadmium mg/Kg	Chromium mg/Kg	Lead mg/Kg	Mercury ug/g	Selenium mg/Kg	Silver mg/Kg							
Date	Type	Sample ID	5.0	100.0	1.0	5.0	5.0	0.2	1.0	5.0	- MAXIMUM ALLOWABLE						
SS11-001																	
7/22/2011	XX	SS001X001	0.025 U	0.9	0.005 U	0.025 U	0.28	0.0002 U	0.1 U	0.025 U							
SS11-002																	
7/22/2011	XX	SS003X002	0.025 U	1.1	0.005 U	0.025 U	0.23	0.0002 U	0.1 U	0.025 U							
SS11-003																	
7/22/2011	XX	SS002X003	0.025 U	0.8	0.005 U	0.025 U	0.18	0.0002 U	0.1 U	0.025 U							
SS11-004																	
7/22/2011	XX	SS004X004	0.025 U	0.7	0.005 U	0.025 U	0.11	0.0002 U	0.1 U	0.025 U							
SS11-005																	
7/26/2011	XX	SS005X005	0.025 U	0.74	0.005 U	0.025 U	0.16	0.0002 U	0.1 U	0.025 U							
7/26/2011	XD	SSDP1X011	0.025 U	0.7	0.005 U	0.025 U	0.18	0.0002 U	0.1 U	0.025 U							
SS11-006																	
7/26/2011	XX	SS006X006	0.025 U	1.2	0.005 U	0.025 U	0.14	0.0002 U	0.1 U	0.025 U							
SS11-007																	
8/2/2011	XX	SS007X007	0.025 U	1.1	0.005 U	0.025 U	0.16	0.0002 U	0.1 U	0.025 U							
SS11-008																	
8/2/2011	XX	SS008X008	0.025 U	1.2	0.005 U	0.025 U	0.19	0.0002 U	0.1 U	0.025 U							
SS11-009																	
8/9/2011	XX	SS009X009	0.025 U	1	0.005 U	0.025 U	0.2	0.0002 U	0.1 U	0.025 U							
SS11-010																	
8/9/2011	XX	SS010X00A	0.025 U	1.1	0.005 U	0.025 U	0.2	0.0002 U	0.1 U	0.025 U							
SS11-011																	
8/16/2011	XX	SS011X00B	0.025 U	1.4	0.005 U	0.025 U	0.19	0.0002 U	0.1 U	0.025 U							
SS11-012																	
8/16/2011	XX	SS012X00C	0.025 U	1.3	0.005 U	0.025 U	0.24	0.0002 U	0.1 U	0.025 U							
SS11-013																	
8/19/2011	XX	SS013X00D	0.025 U	0.96	0.005 U	0.025 U	0.17	0.0002 U	0.1 U	0.025 U							
SS11-014																	
8/23/2011	XX	SS014X00E	0.025 U	1.2	0.005 U	0.025 U	0.17	0.0002 U	0.1 U	0.025 U							
SS11-015																	
8/30/2011	XX	SS015X00F	0.025 U	1.3	0.005 U	0.025 U	0.049	0.0002 U	0.1 U	0.025 U							
8/30/2011	XD	SSDP2X012	0.025 U	1.4	0.005 U	0.025 U	0.045	0.0002 U	0.1 U	0.025 U							
SS11-016																	
8/30/2011	XX	SS016X00G	0.025 U	1.4	0.005 U	0.025 U	0.064	0.0002 U	0.1 U	0.025 U							

SUMMARY REPORT
TCLP RCRA Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SS11-016)			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	ug/g	mg/Kg	mg/Kg
Date	Type	Sample ID								

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the reported sample detection limit.

REPORT PREPARED: 11/29/2011 08:43

FOR: Evergreen Packaging, NC (assessment)

SUMMARY REPORT

TCLP Pesticides and Herbicides

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SS11-001) Date	Type	Sample ID	gamma-BHC (Lindane) ug/kg	Heptachlor ug/kg	Heptachlor Epoxide ug/kg	Endrin ug/kg	Methoxychlor ug/kg	Toxaphene ug/kg	Chlordane (technical) ug/kg	2,4-Dichlorophenoxyacetic Acid ug/kg	2,4,5-Trichloroohenoxypropionic Acid ug/kg						
SS11-001																	
7/22/2011	XX	SS001X001	1 U	1 U	1 U	1.3	1 U	5 U	5 U	10 U	10 U						
SS11-002																	
7/22/2011	XX	SS003X002	1 U	1 U	1 U	1.2	1 U	5 U	5 U	10 U	10 U						
SS11-003																	
7/22/2011	XX	SS002X003	1 U	1 U	1 U	1.4	1 U	5 U	5 U	10 U	10 U						
SS11-004																	
7/22/2011	XX	SS004X004	1 U	1 U	1 U	1.3	1 U	5 U	5 U	10 U	10 U						
SS11-005																	
7/26/2011	XX	SS005X005	1 U	1 U	1 U	1.3	1 U	5 U	5 U	10 U	10 U						
7/26/2011	XD	SSDP1X011	1 U	1 U	1 U	1.1	1 U	5 U	5 U	10 U	10 U						
SS11-006																	
7/26/2011	XX	SS006X006	1 U	1 U	1 U	1.3	1 U	5 U	5 U	10 U	10 U						
SS11-007																	
8/2/2011	XX	SS007X007	1 U	1 U	1 U	2	1 U	5 U	5 U	10 U	10 U						
SS11-008																	
8/2/2011	XX	SS008X008	1 U	1 U	1 U	1.5	1 U	5 U	5 U	10 U	10 U						
SS11-009																	
8/9/2011	XX	SS009X009	1 U	1 U	1 U	1.5	1 U	5 U	5 U	10 U	10 U						
SS11-010																	
8/9/2011	XX	SS010X00A	1 U	1 U	1 U	1.4	1 U	5 U	5 U	10 U	10 U						
SS11-011																	
8/16/2011	XX	SS011X00B	1 U	1 U	1 U	2.3	1 U	5 U	5 U	10 U	10 U						
SS11-012																	
8/16/2011	XX	SS012X00C	1 U	1 U	1 U	3	1 U	5 U	5 U	10 U	10 U						
SS11-013																	
8/19/2011	XX	SS013X00D	1 U	1 U	1 U	1.4	1 U	5 U	5 U	10 U	10 U						
SS11-014																	
8/23/2011	XX	SS014X00E	1 U	1 U	1 U	1.5	1 U	5 U	5 U	10 U	10 U						
SS11-015																	
8/30/2011	XX	SS015X00F	1 U	1 U	1 U	1.1	1 U	5 U	5 U	10 U	10 U						
8/30/2011	XD	SSDP2X012	1 U	1 U	1 U	1.1	1 U	5 U	5 U	10 U	10 U						
SS11-016																	
8/30/2011	XX	SS016X00G	1 U	1 U	1 U	1.4	1 U	5 U	5 U	10 U	10 U						

SUMMARY REPORT

TCLP Pesticides and Herbicides

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SS11-016)			gamma-BHC (Lindane)	Heptachlor	Heptachlor Epoxide	Endrin	Methoxychlor	Toxaphene	Chlordane (technical)	2,4-Dichlorophenoxyacetic Acid	2,4,5-Trichloroohenoxypropionic Acid
Date	Type	Sample ID	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the reported sample detection limit.

REPORT PREPARED: 11/29/2011 08:43

FOR: Evergreen Packaging, NC (assessment)

SUMMARY REPORT

Total RCRA Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SS 11-001) Date	Type	Sample ID	Arsenic mg/Kg	Barium mg/Kg	Cadmium mg/Kg	Chromium mg/Kg	Lead mg/Kg	Mercury ug/g	Selenium mg/Kg	Silver mg/Kg
SS 11-001										
7/22/2011	XX	SS001X013	55.8	165	2.4	42.4	143	0.054	2.7	0.55 U
SS 11-002										
7/22/2011	XX	SS003X014	45.2	95	2.8	37.8	119	0.06	2.4	0.43 U
SS 11-003										
7/22/2011	XX	SS002X015	54.4	170	2.9	40.6	138	0.074	2.4	0.46 U
SS 11-004										
7/22/2011	XX	SS004X016	62.5	165	2	41	162	0.059	2.4	0.59 U
SS 11-005										
7/26/2011	XX	SS005X017	48.3	96.9	1.7	31	131	0.055	1.5	0.6 U
7/26/2011	XD	SSDP1X019	50.9	114	2	33.5	132	0.06	1.8	0.57 U
SS 11-006										
7/26/2011	XX	SS006X018	51.4	234	2.5	62.1	148	0.04	1.8	0.65 U
SS 11-007										
8/2/2011	XX	SS007X01A	64.3	107	2	31	152	0.045	1.7	0.56 U
SS 11-008										
8/2/2011	XX	SS008X01B	48.5	129	2.5	32.3	118	0.055	2.7	0.56 U
SS 11-009										
8/9/2011	XX	SS009X01C	53.4	147	2.7	35.8	159	0.025	3.2	0.61 U
SS 11-010										
8/9/2011	XX	SS010X01D	77	302	2.9	67.4	223	0.046	1.6	0.73 U
SS 11-011										
8/16/2011	XX	SS011X01E	44.7	368	1.1	107	154	0.037	2.9	0.6 U
SS 11-012										
8/16/2011	XX	SS012X01F	30.9	156	0.87	36.2	101	0.095	2.1	0.62 U
SS 11-013										
8/19/2011	XX	SS013X01G	45.3	298	3.1	86.4	134	0.038	1.2 U	0.58 U
SS 11-014										
8/23/2011	XX	SS014X01H	51.8	296	2.6	66.4	151	0.039	1.1	0.55 U
SS 11-015										
8/30/2011	XX	SS015X01I	34.3	305	3.4	61.8	120	0.031	2	0.56 U
8/30/2011	XD	SSDP2X020	33.4	307	3.4	64.4	119	0.033	2	0.58 U
SS 11-016										
8/30/2011	XX	SS016X01J	53	299	2.4	60.5	173	0.034	2.1	0.6 U

SUMMARY REPORT

Total RCRA Metals

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(SS 11-016)

Date	Type	Sample ID	Arsenic mg/Kg	Barium mg/Kg	Cadmium mg/Kg	Chromium mg/Kg	Lead mg/Kg	Mercury ug/g	Selenium mg/Kg	Silver mg/Kg

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

U - Not Detected above the reported sample detection limit.

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(704)875-9092

August 09, 2011

Mr. David Maher
Sevee and Maher Engineers, Inc.
4 Blanchard Road
P.O. Box 85A
Cumberland Center, ME 04021

RE: Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

Dear Mr. Maher:
Enclosed are the analytical results for sample(s) received by the laboratory on July 22, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE ANALYTE COUNT

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9298917001	**SS11-001**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
9298917002	**SS11-002**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
9298917003	**SS11-003**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C
9298917004	**SS11-004**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	KDF	1	PASI-C

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ANALYTICAL RESULTS

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

Sample: SS11-001 **Lab ID: 9298917001** Collected: 07/22/11 15:00 Received: 07/22/11 16:29 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:17	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 18:17	57-74-9	
Endrin	**0.0013**	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:17	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:17	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:17	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:17	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 18:17	8001-35-2	
Decachlorobiphenyl (S)	101	%	70-130	1	08/03/11 12:08	08/03/11 18:17	2051-24-3	
Tetrachloro-m-xylene (S)	86	%	70-130	1	08/03/11 12:08	08/03/11 18:17	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	07/29/11 15:30	08/05/11 10:04	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	07/29/11 15:30	08/05/11 10:04	93-72-1	
2,4-DCPA (S)	88	%	70-130	1	07/29/11 15:30	08/05/11 10:04	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**55.8**	mg/kg	0.55	1	07/28/11 12:10	07/28/11 22:52	7440-38-2	
Barium	**165**	mg/kg	0.55	1	07/28/11 12:10	07/28/11 22:52	7440-39-3	
Cadmium	**2.4**	mg/kg	0.11	1	07/28/11 12:10	07/28/11 22:52	7440-43-9	
Chromium	**42.4**	mg/kg	0.55	1	07/28/11 12:10	07/28/11 22:52	7440-47-3	
Lead	**143**	mg/kg	0.55	1	07/28/11 12:10	07/28/11 22:52	7439-92-1	
Selenium	**2.7**	mg/kg	1.1	1	07/28/11 12:10	07/28/11 22:52	7782-49-2	
Silver	ND	mg/kg	0.55	1	07/28/11 12:10	07/28/11 22:52	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/02/11 16:00							
Arsenic	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:22	7440-38-2	
Barium	**0.90**	mg/L	0.50	1	08/03/11 15:05	08/04/11 11:22	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/03/11 15:05	08/04/11 11:22	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:22	7440-47-3	
Lead	**0.28**	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:22	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/03/11 15:05	08/04/11 11:22	7782-49-2	
Silver	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:22	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/02/11 16:00							
Mercury	ND	ug/L	0.20	1	08/03/11 14:20	08/04/11 12:49	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.054**	mg/kg	0.0056	1	07/28/11 14:45	07/29/11 13:54	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**22.8**	%	0.10	1		07/29/11 08:37		

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ANALYTICAL RESULTS

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

Sample: SS11-002 **Lab ID: 9298917002** Collected: 07/22/11 15:10 Received: 07/22/11 16:29 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:36	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 18:36	57-74-9	
Endrin	**0.0012**	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:36	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:36	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:36	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:36	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 18:36	8001-35-2	
Decachlorobiphenyl (S)	101	%	70-130	1	08/03/11 12:08	08/03/11 18:36	2051-24-3	
Tetrachloro-m-xylene (S)	84	%	70-130	1	08/03/11 12:08	08/03/11 18:36	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	07/29/11 15:30	08/05/11 10:35	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	07/29/11 15:30	08/05/11 10:35	93-72-1	
2,4-DCPA (S)	93	%	70-130	1	07/29/11 15:30	08/05/11 10:35	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**45.2**	mg/kg	0.43	1	07/28/11 12:10	07/28/11 23:11	7440-38-2	
Barium	**95.0**	mg/kg	0.43	1	07/28/11 12:10	07/28/11 23:11	7440-39-3	
Cadmium	**2.8**	mg/kg	0.087	1	07/28/11 12:10	07/28/11 23:11	7440-43-9	
Chromium	**37.8**	mg/kg	0.43	1	07/28/11 12:10	07/28/11 23:11	7440-47-3	
Lead	**119**	mg/kg	0.43	1	07/28/11 12:10	07/28/11 23:11	7439-92-1	
Selenium	**2.4**	mg/kg	0.87	1	07/28/11 12:10	07/28/11 23:11	7782-49-2	
Silver	ND	mg/kg	0.43	1	07/28/11 12:10	07/28/11 23:11	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/02/11 16:00							
Arsenic	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:29	7440-38-2	
Barium	**1.1**	mg/L	0.50	1	08/03/11 15:05	08/04/11 11:29	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/03/11 15:05	08/04/11 11:29	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:29	7440-47-3	
Lead	**0.23**	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:29	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/03/11 15:05	08/04/11 11:29	7782-49-2	
Silver	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:29	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/02/11 16:00							
Mercury	ND	ug/L	0.20	1	08/03/11 14:20	08/04/11 12:54	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.060**	mg/kg	0.0049	1	07/28/11 14:45	07/29/11 13:59	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.9**	%	0.10	1		07/29/11 08:37		

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ANALYTICAL RESULTS

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

Sample: SS11-003 **Lab ID: 9298917003** Collected: 07/22/11 15:20 Received: 07/22/11 16:29 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:55	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 18:55	57-74-9	
Endrin	**0.0014**	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:55	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:55	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:55	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 18:55	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 18:55	8001-35-2	
Decachlorobiphenyl (S)	103	%	70-130	1	08/03/11 12:08	08/03/11 18:55	2051-24-3	
Tetrachloro-m-xylene (S)	85	%	70-130	1	08/03/11 12:08	08/03/11 18:55	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	07/29/11 15:30	08/05/11 11:06	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	07/29/11 15:30	08/05/11 11:06	93-72-1	
2,4-DCPA (S)	101	%	70-130	1	07/29/11 15:30	08/05/11 11:06	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**54.4**	mg/kg	0.46	1	07/28/11 12:10	07/28/11 23:16	7440-38-2	
Barium	**170**	mg/kg	0.46	1	07/28/11 12:10	07/28/11 23:16	7440-39-3	
Cadmium	**2.9**	mg/kg	0.091	1	07/28/11 12:10	07/28/11 23:16	7440-43-9	
Chromium	**40.6**	mg/kg	0.46	1	07/28/11 12:10	07/28/11 23:16	7440-47-3	
Lead	**138**	mg/kg	0.46	1	07/28/11 12:10	07/28/11 23:16	7439-92-1	
Selenium	**2.4**	mg/kg	0.91	1	07/28/11 12:10	07/28/11 23:16	7782-49-2	
Silver	ND	mg/kg	0.46	1	07/28/11 12:10	07/28/11 23:16	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/02/11 16:00							
Arsenic	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:32	7440-38-2	
Barium	**0.80**	mg/L	0.50	1	08/03/11 15:05	08/04/11 11:32	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/03/11 15:05	08/04/11 11:32	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:32	7440-47-3	
Lead	**0.18**	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:32	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/03/11 15:05	08/04/11 11:32	7782-49-2	
Silver	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:32	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/02/11 16:00							
Mercury	ND	ug/L	0.20	1	08/03/11 14:20	08/04/11 12:59	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.074**	mg/kg	0.0059	1	07/28/11 14:45	07/29/11 14:04	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.7**	%	0.10	1		07/29/11 08:37		

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ANALYTICAL RESULTS

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

Sample: SS11-004 **Lab ID: 9298917004** Collected: 07/22/11 15:30 Received: 07/22/11 16:29 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 19:14	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 19:14	57-74-9	
Endrin	**0.0013**	mg/L	0.0010	1	08/03/11 12:08	08/03/11 19:14	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 19:14	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 19:14	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 19:14	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 19:14	8001-35-2	
Decachlorobiphenyl (S)	103	%	70-130	1	08/03/11 12:08	08/03/11 19:14	2051-24-3	
Tetrachloro-m-xylene (S)	88	%	70-130	1	08/03/11 12:08	08/03/11 19:14	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	07/29/11 15:30	08/05/11 11:37	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	07/29/11 15:30	08/05/11 11:37	93-72-1	
2,4-DCPA (S)	99	%	70-130	1	07/29/11 15:30	08/05/11 11:37	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**62.5**	mg/kg	0.59	1	07/28/11 12:10	07/28/11 23:21	7440-38-2	
Barium	**165**	mg/kg	0.59	1	07/28/11 12:10	07/28/11 23:21	7440-39-3	
Cadmium	**2.0**	mg/kg	0.12	1	07/28/11 12:10	07/28/11 23:21	7440-43-9	
Chromium	**41.0**	mg/kg	0.59	1	07/28/11 12:10	07/28/11 23:21	7440-47-3	
Lead	**162**	mg/kg	0.59	1	07/28/11 12:10	07/28/11 23:21	7439-92-1	
Selenium	**2.4**	mg/kg	1.2	1	07/28/11 12:10	07/28/11 23:21	7782-49-2	
Silver	ND	mg/kg	0.59	1	07/28/11 12:10	07/28/11 23:21	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/02/11 16:00							
Arsenic	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:35	7440-38-2	
Barium	**0.70**	mg/L	0.50	1	08/03/11 15:05	08/04/11 11:35	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/03/11 15:05	08/04/11 11:35	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:35	7440-47-3	
Lead	**0.11**	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:35	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/03/11 15:05	08/04/11 11:35	7782-49-2	
Silver	ND	mg/L	0.025	1	08/03/11 15:05	08/04/11 11:35	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/02/11 16:00							
Mercury	ND	ug/L	0.20	1	08/03/11 14:20	08/04/11 13:02	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.059**	mg/kg	0.0052	1	07/28/11 14:45	07/29/11 14:07	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.1**	%	0.10	1		07/29/11 08:37		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

QC Batch: GCSV/5317 — Analysis Method: EPA 8081
QC Batch Method: EPA 8081 — Analysis Description: 8081 GCS TCLP Pesticides
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

METHOD BLANK: 231154 — Matrix: Water
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	08/03/11 16:41	
Endrin	mg/L	ND	0.0010	08/03/11 16:41	
gamma-BHC (Lindane)	mg/L	ND	0.0010	08/03/11 16:41	
Heptachlor	mg/L	ND	0.0010	08/03/11 16:41	
Heptachlor epoxide	mg/L	ND	0.0010	08/03/11 16:41	
Methoxychlor	mg/L	ND	0.0010	08/03/11 16:41	
Toxaphene	mg/L	ND	0.0050	08/03/11 16:41	
Decachlorobiphenyl (S)	%	102	70-130	08/03/11 16:41	
Tetrachloro-m-xylene (S)	%	85	70-130	08/03/11 16:41	

METHOD BLANK: 231283 — Matrix: Water
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	08/03/11 17:20	
Endrin	mg/L	ND	0.0010	08/03/11 17:20	
gamma-BHC (Lindane)	mg/L	ND	0.0010	08/03/11 17:20	
Heptachlor	mg/L	ND	0.0010	08/03/11 17:20	
Heptachlor epoxide	mg/L	ND	0.0010	08/03/11 17:20	
Methoxychlor	mg/L	ND	0.0010	08/03/11 17:20	
Toxaphene	mg/L	ND	0.0050	08/03/11 17:20	
Decachlorobiphenyl (S)	%	89	70-130	08/03/11 17:20	
Tetrachloro-m-xylene (S)	%	84	70-130	08/03/11 17:20	

LABORATORY CONTROL SAMPLE: 231155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	mg/L	.005	0.0048	95	70-130	
gamma-BHC (Lindane)	mg/L	.005	0.0043	85	70-130	
Heptachlor	mg/L	.005	0.0046	91	70-130	
Heptachlor epoxide	mg/L	.005	0.0048	96	70-130	
Methoxychlor	mg/L	.005	0.0048	96	70-130	
Decachlorobiphenyl (S)	%			102	70-130	
Tetrachloro-m-xylene (S)	%			90	70-130	

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 231281 231282

Parameter	Units	9298963004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Endrin	mg/L	ND	.005	.005	0.0049	0.0050	99	99	70-130	.2	
gamma-BHC (Lindane)	mg/L	ND	.005	.005	0.0045	0.0045	91	89	70-130	2	
Heptachlor	mg/L	ND	.005	.005	0.0047	0.0047	95	95	70-130	.3	
Heptachlor epoxide	mg/L	ND	.005	.005	0.0049	0.0048	97	96	70-130	1	
Methoxychlor	mg/L	ND	.005	.005	0.0051	0.0050	102	101	70-130	.6	
Decachlorobiphenyl (S)	%						97	97	70-130		
Tetrachloro-m-xylene (S)	%						113	117	70-130		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

QC Batch: GCSV/5271 — Analysis Method: EPA 8151
QC Batch Method: EPA 8151 — Analysis Description: 8151 GCS Herbicides TCLP
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

METHOD BLANK: 229179 — Matrix: Water
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.010	08/05/11 08:32	
2,4-D	mg/L	ND	0.010	08/05/11 08:32	
2,4-DCPA (S)	%	111	70-130	08/05/11 08:32	

LABORATORY CONTROL SAMPLE: 229180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.012	0.011	90	70-130	
2,4-D	mg/L	.06	0.052	87	70-130	
2,4-DCPA (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 229223 229224

Parameter	Units	3534211001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-TP (Silvex)	mg/L	0.0076 U	.0183	.0183	0.016	0.016	86	85	70-130	1	
2,4-D	mg/L	0.0076 U	.0917	.0917	0.077	0.073	84	80	70-130	5	
2,4-DCPA (S)	%						91	90	70-130		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

QC Batch: MPRP/8805 — Analysis Method: EPA 6010
QC Batch Method: EPA 3050 — Analysis Description: 6010 MET
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

METHOD BLANK: 639496 — Matrix: Solid
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	07/28/11 21:19	
Barium	mg/kg	ND	0.50	07/28/11 21:19	
Cadmium	mg/kg	ND	0.10	07/28/11 21:19	
Chromium	mg/kg	ND	0.50	07/28/11 21:19	
Lead	mg/kg	ND	0.50	07/28/11 21:19	
Selenium	mg/kg	ND	1.0	07/28/11 21:19	
Silver	mg/kg	ND	0.50	07/28/11 21:19	

LABORATORY CONTROL SAMPLE: 639497

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	47.5	95	80-120	
Barium	mg/kg	50	47.8	96	80-120	
Cadmium	mg/kg	50	48.4	97	80-120	
Chromium	mg/kg	50	47.4	95	80-120	
Lead	mg/kg	50	48.0	96	80-120	
Selenium	mg/kg	50	47.8	96	80-120	
Silver	mg/kg	25	24.1	96	80-120	

MATRIX SPIKE SAMPLE: 639498

Parameter	Units	9298865002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	4.1	49.1	50.7	95	75-125	
Barium	mg/kg	153	49.1	145	-17	75-125	M1
Cadmium	mg/kg	0.51	49.1	43.8	88	75-125	
Chromium	mg/kg	14.7	49.1	61.5	95	75-125	
Lead	mg/kg	7.2	49.1	47.4	82	75-125	
Selenium	mg/kg	1.7	49.1	45.1	89	75-125	
Silver	mg/kg	ND	24.5	23.2	95	75-125	

SAMPLE DUPLICATE: 639499

Parameter	Units	9298865003 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	4.0	4.6	13	
Barium	mg/kg	80.8	113	33	D6
Cadmium	mg/kg	0.12	0.33	96	D6
Chromium	mg/kg	8.6	9.8	13	
Lead	mg/kg	8.2	7.8	5	

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

SAMPLE DUPLICATE: 639499

Parameter	Units	9298865003 Result	Dup Result	RPD	Qualifiers
Selenium	mg/kg	ND	1.6		
Silver	mg/kg	ND	.047J		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

QC Batch: MPRP/8832 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET TCLP
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

METHOD BLANK: 642482 — Matrix: Water
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.025	08/04/11 11:09	
Barium	mg/L	ND	0.50	08/04/11 11:09	
Cadmium	mg/L	ND	0.0050	08/04/11 11:09	
Chromium	mg/L	ND	0.025	08/04/11 11:09	
Lead	mg/L	ND	0.025	08/04/11 11:09	
Selenium	mg/L	ND	0.10	08/04/11 11:09	
Silver	mg/L	ND	0.025	08/04/11 11:09	

LABORATORY CONTROL SAMPLE: 642483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.7	108	80-120	
Barium	mg/L	2.5	2.5	102	80-120	
Cadmium	mg/L	2.5	2.4	96	80-120	
Chromium	mg/L	2.5	2.4	96	80-120	
Lead	mg/L	2.5	2.2	90	80-120	
Selenium	mg/L	2.5	2.8	110	80-120	
Silver	mg/L	1.2	1.4	110	80-120	

MATRIX SPIKE SAMPLE: 642484

Parameter	Units	9298752002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	<0.014	2.5	2.7	108	75-125	
Barium	mg/L	0.76	2.5	3.1	93	75-125	
Cadmium	mg/L	<0.0025	2.5	2.4	96	75-125	
Chromium	mg/L	<0.0020	2.5	2.4	96	75-125	
Lead	mg/L	1.4	2.5	3.6	87	75-125	
Selenium	mg/L	<0.019	2.5	2.7	108	75-125	
Silver	mg/L	0.0020J	1.2	1.4	109	75-125	

SAMPLE DUPLICATE: 642485

Parameter	Units	9298917001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/L	ND	ND		
Barium	mg/L	0.90	0.92	2	
Cadmium	mg/L	ND	ND		
Chromium	mg/L	ND	ND		
Lead	mg/L	0.28	0.28	0	

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

SAMPLE DUPLICATE: 642485

Parameter	Units	9298917001 Result	Dup Result	RPD	Qualifiers
Selenium	mg/L	ND	.031J		
Silver	mg/L	ND	.0006J		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

QC Batch: MERP/3656 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

METHOD BLANK: 642463 Matrix: Water
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/04/11 12:44	

LABORATORY CONTROL SAMPLE: 642464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	99	80-120	

MATRIX SPIKE SAMPLE: 642465

Parameter	Units	9298917001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.4	94	75-125	

SAMPLE DUPLICATE: 642466

Parameter	Units	9298917002 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

QC Batch: MERP/3640 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

METHOD BLANK: 639721 Matrix: Solid
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	07/29/11 13:12	

LABORATORY CONTROL SAMPLE: 639722

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.062	92	80-120	

MATRIX SPIKE SAMPLE: 639723

Parameter	Units	9298324003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.12	.14	0.13	4	75-125	M1

MATRIX SPIKE SAMPLE: 639725

Parameter	Units	9298917001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.054	.087	0.10	54	75-125	M1

SAMPLE DUPLICATE: 639724

Parameter	Units	9298647001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.073	0.055	28	D6

SAMPLE DUPLICATE: 639726

Parameter	Units	9298917002 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.060	0.066	10	

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

QC Batch: PMST/4080 — Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 — Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9298917001, 9298917002, 9298917003, 9298917004

SAMPLE DUPLICATE: 639557

Parameter	Units	9298958001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	24.6	24.4	1	

SAMPLE DUPLICATE: 639572

Parameter	Units	9299172009 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	6.5	6.7	3	

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QUALIFIERS

Project: GA WEST CLOSURE 07/22
Pace Project No.: 9298917

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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August 11, 2011

Mr. David Maher
Sevee and Maher Engineers, Inc.
4 Blanchard Road
P.O. Box 85A
Cumberland Center, ME 04021

RE: Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

Dear Mr. Maher:
Enclosed are the analytical results for sample(s) received by the laboratory on July 26, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE ANALYTE COUNT

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9298992001	**SS11-005**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C
9298992002	**SS11-006**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C
9298992003	**SS11-DUP1**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C

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ANALYTICAL RESULTS

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

Sample: SS11-005 **Lab ID: 9298992001** Collected: 07/26/11 08:40 Received: 07/26/11 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 19:52	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 19:52	57-74-9	
Endrin	**0.0013**	mg/L	0.0010	1	08/03/11 12:08	08/03/11 19:52	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 19:52	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 19:52	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 19:52	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 19:52	8001-35-2	
Decachlorobiphenyl (S)	104	%	70-130	1	08/03/11 12:08	08/03/11 19:52	2051-24-3	
Tetrachloro-m-xylene (S)	91	%	70-130	1	08/03/11 12:08	08/03/11 19:52	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	08/03/11 09:00	08/05/11 23:55	94-75-7	M1
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	08/03/11 09:00	08/05/11 23:55	93-72-1	M1
2,4-DCPA (S)	104	%	70-130	1	08/03/11 09:00	08/05/11 23:55	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**48.3**	mg/kg	0.60	1	08/02/11 09:00	08/03/11 19:17	7440-38-2	
Barium	**96.9**	mg/kg	0.60	1	08/02/11 09:00	08/02/11 17:22	7440-39-3	
Cadmium	**1.7**	mg/kg	0.12	1	08/02/11 09:00	08/02/11 17:22	7440-43-9	
Chromium	**31.0**	mg/kg	0.60	1	08/02/11 09:00	08/02/11 17:22	7440-47-3	
Lead	**131**	mg/kg	0.60	1	08/02/11 09:00	08/02/11 17:22	7439-92-1	
Selenium	**1.5**	mg/kg	1.2	1	08/02/11 09:00	08/02/11 17:22	7782-49-2	
Silver	ND	mg/kg	0.60	1	08/02/11 09:00	08/02/11 17:22	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/08/11 17:30							
Arsenic	ND	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:37	7440-38-2	
Barium	**0.74**	mg/L	0.50	1	08/09/11 14:30	08/10/11 13:37	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/09/11 14:30	08/10/11 13:37	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:37	7440-47-3	
Lead	**0.16**	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:37	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/09/11 14:30	08/10/11 13:37	7782-49-2	
Silver	ND	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:37	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/08/11 17:30							
Mercury	ND	ug/L	0.20	1	08/09/11 17:35	08/10/11 12:16	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.055**	mg/kg	0.0064	1	08/01/11 10:50	08/01/11 15:27	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.8**	%	0.10	1		07/27/11 13:06		

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ANALYTICAL RESULTS

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

Sample: SS11-006 **Lab ID: 9298992002** Collected: 07/26/11 08:50 Received: 07/26/11 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 20:11	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 20:11	57-74-9	
Endrin	**0.0013**	mg/L	0.0010	1	08/03/11 12:08	08/03/11 20:11	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 20:11	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 20:11	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 20:11	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 20:11	8001-35-2	
Decachlorobiphenyl (S)	104	%	70-130	1	08/03/11 12:08	08/03/11 20:11	2051-24-3	
Tetrachloro-m-xylene (S)	89	%	70-130	1	08/03/11 12:08	08/03/11 20:11	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	08/03/11 09:00	08/06/11 01:57	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	08/03/11 09:00	08/06/11 01:57	93-72-1	
2,4-DCPA (S)	100	%	70-130	1	08/03/11 09:00	08/06/11 01:57	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**51.4**	mg/kg	0.65	1	08/02/11 09:00	08/03/11 19:21	7440-38-2	
Barium	**234**	mg/kg	0.65	1	08/02/11 09:00	08/02/11 17:26	7440-39-3	
Cadmium	**2.5**	mg/kg	0.13	1	08/02/11 09:00	08/02/11 17:26	7440-43-9	
Chromium	**62.1**	mg/kg	0.65	1	08/02/11 09:00	08/02/11 17:26	7440-47-3	
Lead	**148**	mg/kg	0.65	1	08/02/11 09:00	08/02/11 17:26	7439-92-1	
Selenium	**1.8**	mg/kg	1.3	1	08/02/11 09:00	08/02/11 17:26	7782-49-2	
Silver	ND	mg/kg	0.65	1	08/02/11 09:00	08/02/11 17:26	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/08/11 17:30							
Arsenic	ND	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:44	7440-38-2	
Barium	**1.2**	mg/L	0.50	1	08/09/11 14:30	08/10/11 13:44	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/09/11 14:30	08/10/11 13:44	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:44	7440-47-3	
Lead	**0.14**	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:44	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/09/11 14:30	08/10/11 13:44	7782-49-2	
Silver	ND	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:44	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/08/11 17:30							
Mercury	ND	ug/L	0.20	1	08/09/11 17:35	08/10/11 12:21	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.040**	mg/kg	0.0054	1	08/01/11 10:50	08/01/11 15:29	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**24.5**	%	0.10	1		07/27/11 13:07		

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ANALYTICAL RESULTS

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

Sample: SS11-DUP1 **Lab ID: 9298992003** Collected: 07/26/11 00:00 Received: 07/26/11 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 20:31	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 20:31	57-74-9	
Endrin	**0.0011**	mg/L	0.0010	1	08/03/11 12:08	08/03/11 20:31	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 20:31	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 20:31	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/03/11 12:08	08/03/11 20:31	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/03/11 12:08	08/03/11 20:31	8001-35-2	
Decachlorobiphenyl (S)	101	%	70-130	1	08/03/11 12:08	08/03/11 20:31	2051-24-3	
Tetrachloro-m-xylene (S)	83	%	70-130	1	08/03/11 12:08	08/03/11 20:31	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	08/03/11 09:00	08/06/11 02:27	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	08/03/11 09:00	08/06/11 02:27	93-72-1	
2,4-DCPA (S)	99	%	70-130	1	08/03/11 09:00	08/06/11 02:27	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**50.9**	mg/kg	0.57	1	08/02/11 09:00	08/03/11 19:25	7440-38-2	
Barium	**114**	mg/kg	0.57	1	08/02/11 09:00	08/02/11 17:30	7440-39-3	
Cadmium	**2.0**	mg/kg	0.11	1	08/02/11 09:00	08/02/11 17:30	7440-43-9	
Chromium	**33.5**	mg/kg	0.57	1	08/02/11 09:00	08/02/11 17:30	7440-47-3	
Lead	**132**	mg/kg	0.57	1	08/02/11 09:00	08/02/11 17:30	7439-92-1	
Selenium	**1.8**	mg/kg	1.1	1	08/02/11 09:00	08/02/11 17:30	7782-49-2	
Silver	ND	mg/kg	0.57	1	08/02/11 09:00	08/02/11 17:30	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/08/11 17:30							
Arsenic	ND	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:47	7440-38-2	
Barium	**0.70**	mg/L	0.50	1	08/09/11 14:30	08/10/11 13:47	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/09/11 14:30	08/10/11 13:47	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:47	7440-47-3	
Lead	**0.18**	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:47	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/09/11 14:30	08/10/11 13:47	7782-49-2	
Silver	ND	mg/L	0.025	1	08/09/11 14:30	08/10/11 13:47	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/08/11 17:30							
Mercury	ND	ug/L	0.20	1	08/09/11 17:35	08/10/11 12:24	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.060**	mg/kg	0.0071	1	08/01/11 10:50	08/01/11 15:32	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.1**	%	0.10	1		07/27/11 13:07		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

QC Batch: GCSV/5317 — Analysis Method: EPA 8081
QC Batch Method: EPA 8081 — Analysis Description: 8081 GCS TCLP Pesticides
Associated Lab Samples: 9298992001, 9298992002, 9298992003

METHOD BLANK: 231154 — Matrix: Water
Associated Lab Samples: 9298992001, 9298992002, 9298992003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	08/03/11 16:41	
Endrin	mg/L	ND	0.0010	08/03/11 16:41	
gamma-BHC (Lindane)	mg/L	ND	0.0010	08/03/11 16:41	
Heptachlor	mg/L	ND	0.0010	08/03/11 16:41	
Heptachlor epoxide	mg/L	ND	0.0010	08/03/11 16:41	
Methoxychlor	mg/L	ND	0.0010	08/03/11 16:41	
Toxaphene	mg/L	ND	0.0050	08/03/11 16:41	
Decachlorobiphenyl (S)	%	102	70-130	08/03/11 16:41	
Tetrachloro-m-xylene (S)	%	85	70-130	08/03/11 16:41	

METHOD BLANK: 231283 — Matrix: Water
Associated Lab Samples: 9298992001, 9298992002, 9298992003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	08/03/11 17:20	
Endrin	mg/L	ND	0.0010	08/03/11 17:20	
gamma-BHC (Lindane)	mg/L	ND	0.0010	08/03/11 17:20	
Heptachlor	mg/L	ND	0.0010	08/03/11 17:20	
Heptachlor epoxide	mg/L	ND	0.0010	08/03/11 17:20	
Methoxychlor	mg/L	ND	0.0010	08/03/11 17:20	
Toxaphene	mg/L	ND	0.0050	08/03/11 17:20	
Decachlorobiphenyl (S)	%	89	70-130	08/03/11 17:20	
Tetrachloro-m-xylene (S)	%	84	70-130	08/03/11 17:20	

LABORATORY CONTROL SAMPLE: 231155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	mg/L	.005	0.0048	95	70-130	
gamma-BHC (Lindane)	mg/L	.005	0.0043	85	70-130	
Heptachlor	mg/L	.005	0.0046	91	70-130	
Heptachlor epoxide	mg/L	.005	0.0048	96	70-130	
Methoxychlor	mg/L	.005	0.0048	96	70-130	
Decachlorobiphenyl (S)	%			102	70-130	
Tetrachloro-m-xylene (S)	%			90	70-130	

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 231281 231282

Parameter	Units	9298963004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Endrin	mg/L	ND	.005	.005	0.0049	0.0050	99	99	70-130	.2	
gamma-BHC (Lindane)	mg/L	ND	.005	.005	0.0045	0.0045	91	89	70-130	2	
Heptachlor	mg/L	ND	.005	.005	0.0047	0.0047	95	95	70-130	.3	
Heptachlor epoxide	mg/L	ND	.005	.005	0.0049	0.0048	97	96	70-130	1	
Methoxychlor	mg/L	ND	.005	.005	0.0051	0.0050	102	101	70-130	.6	
Decachlorobiphenyl (S)	%						97	97	70-130		
Tetrachloro-m-xylene (S)	%						113	117	70-130		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

QC Batch: GCSV/5310 — Analysis Method: EPA 8151
QC Batch Method: EPA 8151 — Analysis Description: 8151 GCS Herbicides TCLP
Associated Lab Samples: 9298992001, 9298992002, 9298992003

METHOD BLANK: 231130 — Matrix: Water
Associated Lab Samples: 9298992001, 9298992002, 9298992003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.010	08/05/11 22:24	
2,4-D	mg/L	ND	0.010	08/05/11 22:24	
2,4-DCPA (S)	%	97	70-130	08/05/11 22:24	

LABORATORY CONTROL SAMPLE: 231131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.012	.0095J	79	70-130	
2,4-D	mg/L	.06	0.047	78	70-130	
2,4-DCPA (S)	%			88	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 231729 231730

Parameter	Units	9298992001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-TP (Silvex)	mg/L	ND	.012	.012	.0094J	.0082J	78	69	70-130		M1
2,4-D	mg/L			.06	0.043	0.038		63			M1
2,4-DCPA (S)	%						84	71	70-130		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

QC Batch: MPRP/8819 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 9298992001, 9298992002, 9298992003

METHOD BLANK: 641212 Matrix: Solid
Associated Lab Samples: 9298992001, 9298992002, 9298992003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	08/02/11 16:46	
Barium	mg/kg	ND	0.50	08/02/11 16:46	
Cadmium	mg/kg	ND	0.10	08/02/11 16:46	
Chromium	mg/kg	ND	0.50	08/02/11 16:46	
Lead	mg/kg	ND	0.50	08/02/11 16:46	
Selenium	mg/kg	ND	1.0	08/02/11 16:46	
Silver	mg/kg	ND	0.50	08/02/11 16:46	

LABORATORY CONTROL SAMPLE: 641213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	48.4	97	80-120	
Barium	mg/kg	50	50.2	100	80-120	
Cadmium	mg/kg	50	49.0	98	80-120	
Chromium	mg/kg	50	49.8	100	80-120	
Lead	mg/kg	50	49.8	100	80-120	
Selenium	mg/kg	50	48.7	97	80-120	
Silver	mg/kg	25	24.7	99	80-120	

MATRIX SPIKE SAMPLE: 641214

Parameter	Units	9298895001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	1.9	72.6	72.2	97	75-125	
Barium	mg/kg	104	72.6	117	17	75-125	M1
Cadmium	mg/kg	ND	72.6	68.1	94	75-125	
Chromium	mg/kg	7.1	72.6	76.5	96	75-125	
Lead	mg/kg	10.5	72.6	77.7	93	75-125	
Selenium	mg/kg	ND	72.6	72.0	99	75-125	
Silver	mg/kg	ND	36.4	35.3	97	75-125	

SAMPLE DUPLICATE: 641215

Parameter	Units	9298895002 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	1.1	2.3	68	D6
Barium	mg/kg	16.8	17.0	1	
Cadmium	mg/kg	ND	ND		
Chromium	mg/kg	12.0	8.8	31	D6
Lead	mg/kg	10.5	15.6	39	D6

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

SAMPLE DUPLICATE: 641215

Parameter	Units	9298895002 Result	Dup Result	RPD	Qualifiers
Selenium	mg/kg	ND	ND		
Silver	mg/kg	ND	ND		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

QC Batch: MPRP/8868 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET TCLP
Associated Lab Samples: 9298992001, 9298992002, 9298992003

METHOD BLANK: 645123 — Matrix: Water
Associated Lab Samples: 9298992001, 9298992002, 9298992003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.025	08/10/11 13:24	
Barium	mg/L	ND	0.50	08/10/11 13:24	
Cadmium	mg/L	ND	0.0050	08/10/11 13:24	
Chromium	mg/L	ND	0.025	08/10/11 13:24	
Lead	mg/L	ND	0.025	08/10/11 13:24	
Selenium	mg/L	ND	0.10	08/10/11 13:24	
Silver	mg/L	ND	0.025	08/10/11 13:24	

LABORATORY CONTROL SAMPLE: 645124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.6	105	80-120	
Barium	mg/L	2.5	2.5	101	80-120	
Cadmium	mg/L	2.5	2.4	96	80-120	
Chromium	mg/L	2.5	2.5	99	80-120	
Lead	mg/L	2.5	2.2	89	80-120	
Selenium	mg/L	2.5	2.7	108	80-120	
Silver	mg/L	1.2	1.3	104	80-120	

MATRIX SPIKE SAMPLE: 645125

Parameter	Units	9298914001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	2.5	2.6	105	75-125	
Barium	mg/L	0.72	2.5	2.9	88	75-125	
Cadmium	mg/L	ND	2.5	2.4	95	75-125	
Chromium	mg/L	ND	2.5	2.4	97	75-125	
Lead	mg/L	ND	2.5	2.2	89	75-125	
Selenium	mg/L	ND	2.5	2.7	106	75-125	
Silver	mg/L	ND	1.2	1.3	102	75-125	

SAMPLE DUPLICATE: 645126

Parameter	Units	9298992001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/L	ND	ND		
Barium	mg/L	0.74	0.82	9	
Cadmium	mg/L	ND	ND		
Chromium	mg/L	ND	.0076J		
Lead	mg/L	0.16	0.18	13	

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

SAMPLE DUPLICATE: 645126

Parameter	Units	9298992001 Result	Dup Result	RPD	Qualifiers
Selenium	mg/L	ND	.022J		
Silver	mg/L	ND	.00089J		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

QC Batch: MERP/3669 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 9298992001, 9298992002, 9298992003

METHOD BLANK: 645119 Matrix: Water
Associated Lab Samples: 9298992001, 9298992002, 9298992003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/10/11 12:00	

LABORATORY CONTROL SAMPLE: 645120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	97	80-120	

MATRIX SPIKE SAMPLE: 645121

Parameter	Units	9298914001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.4	94	75-125	

SAMPLE DUPLICATE: 645122

Parameter	Units	9298992001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

QC Batch: MERP/3645 — Analysis Method: EPA 7471
QC Batch Method: EPA 7471 — Analysis Description: 7471 Mercury
Associated Lab Samples: 9298992001, 9298992002, 9298992003

METHOD BLANK: 641040 — Matrix: Solid
Associated Lab Samples: 9298992001, 9298992002, 9298992003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	08/01/11 14:28	

LABORATORY CONTROL SAMPLE: 641041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.060	90	80-120	

MATRIX SPIKE SAMPLE: 641042

Parameter	Units	9299172041 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.0014J	.068	0.069	99	75-125	

MATRIX SPIKE SAMPLE: 641044

Parameter	Units	9298895002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.031	.14	0.13	74	75-125	M1

SAMPLE DUPLICATE: 641043

Parameter	Units	9299172042 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.048	0.043	12	

SAMPLE DUPLICATE: 641045

Parameter	Units	9298895003 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.010	0.0086	15	

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QUALITY CONTROL DATA

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

QC Batch: PMST/4076 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9298992001, 9298992002, 9298992003

SAMPLE DUPLICATE: 638765

Parameter	Units	9299013001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	3.5	4.0	14	

SAMPLE DUPLICATE: 638766

Parameter	Units	9298963003 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	69.1	62.8	10	

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QUALIFIERS

Project: GA WEST CLOSURE 07/26
Pace Project No.: 9298992

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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August 22, 2011

Mr. David Maher
Sevee and Maher Engineers, Inc.
4 Blanchard Road
P.O. Box 85A
Cumberland Center, ME 04021

RE: Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

Dear Mr. Maher:
Enclosed are the analytical results for sample(s) received by the laboratory on August 02, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE ANALYTE COUNT

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9299499001	**SS007X007**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C
9299499002	**SS008X008**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C

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ANALYTICAL RESULTS

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

Sample: SS007X007 **Lab ID: 9299499001** Collected: 08/02/11 08:00 Received: 08/02/11 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/10/11 15:24	08/16/11 04:30	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/10/11 15:24	08/16/11 04:30	57-74-9	
Endrin	**0.0020**	mg/L	0.0010	1	08/10/11 15:24	08/16/11 04:30	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/10/11 15:24	08/16/11 04:30	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/10/11 15:24	08/16/11 04:30	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/10/11 15:24	08/16/11 04:30	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/10/11 15:24	08/16/11 04:30	8001-35-2	
Decachlorobiphenyl (S)	100	%	70-130	1	08/10/11 15:24	08/16/11 04:30	2051-24-3	
Tetrachloro-m-xylene (S)	80	%	70-130	1	08/10/11 15:24	08/16/11 04:30	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	08/11/11 14:00	08/17/11 17:55	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	08/11/11 14:00	08/17/11 17:55	93-72-1	
2,4-DCPA (S)	122	%	70-130	1	08/11/11 14:00	08/17/11 17:55	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**64.3**	mg/kg	0.56	1	08/05/11 09:10	08/08/11 18:34	7440-38-2	
Barium	**107**	mg/kg	0.56	1	08/05/11 09:10	08/08/11 18:34	7440-39-3	
Cadmium	**2.0**	mg/kg	0.11	1	08/05/11 09:10	08/08/11 18:34	7440-43-9	
Chromium	**31.0**	mg/kg	0.56	1	08/05/11 09:10	08/08/11 18:34	7440-47-3	
Lead	**152**	mg/kg	0.56	1	08/05/11 09:10	08/08/11 18:34	7439-92-1	
Selenium	**1.7**	mg/kg	1.1	1	08/05/11 09:10	08/09/11 19:10	7782-49-2	
Silver	ND	mg/kg	0.56	1	08/05/11 09:10	08/08/11 18:34	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/11/11 19:15							
Arsenic	ND	mg/L	0.025	1	08/12/11 19:40	08/14/11 12:53	7440-38-2	
Barium	**1.1**	mg/L	0.50	1	08/12/11 19:40	08/14/11 12:53	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/12/11 19:40	08/14/11 12:53	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/12/11 19:40	08/14/11 12:53	7440-47-3	
Lead	**0.16**	mg/L	0.025	1	08/12/11 19:40	08/14/11 12:53	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/12/11 19:40	08/14/11 12:53	7782-49-2	
Silver	ND	mg/L	0.025	1	08/12/11 19:40	08/14/11 12:53	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/11/11 19:15							
Mercury	ND	ug/L	0.20	1	08/15/11 10:30	08/15/11 14:06	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.045**	mg/kg	0.0044	1	08/09/11 11:10	08/11/11 12:01	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.6**	%	0.10	1		08/03/11 13:44		

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ANALYTICAL RESULTS

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

Sample: SS008X008 **Lab ID: 9299499002** Collected: 08/02/11 08:15 Received: 08/02/11 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/10/11 15:24	08/16/11 04:51	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/10/11 15:24	08/16/11 04:51	57-74-9	
Endrin	**0.0015**	mg/L	0.0010	1	08/10/11 15:24	08/16/11 04:51	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/10/11 15:24	08/16/11 04:51	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/10/11 15:24	08/16/11 04:51	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/10/11 15:24	08/16/11 04:51	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/10/11 15:24	08/16/11 04:51	8001-35-2	
Decachlorobiphenyl (S)	95	%	70-130	1	08/10/11 15:24	08/16/11 04:51	2051-24-3	
Tetrachloro-m-xylene (S)	75	%	70-130	1	08/10/11 15:24	08/16/11 04:51	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	08/11/11 14:00	08/17/11 19:28	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	08/11/11 14:00	08/17/11 19:28	93-72-1	M1
2,4-DCPA (S)	124	%	70-130	1	08/11/11 14:00	08/17/11 19:28	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**48.5**	mg/kg	0.56	1	08/05/11 09:10	08/08/11 18:38	7440-38-2	
Barium	**129**	mg/kg	0.56	1	08/05/11 09:10	08/08/11 18:38	7440-39-3	
Cadmium	**2.5**	mg/kg	0.11	1	08/05/11 09:10	08/08/11 18:38	7440-43-9	
Chromium	**32.3**	mg/kg	0.56	1	08/05/11 09:10	08/08/11 18:38	7440-47-3	
Lead	**118**	mg/kg	0.56	1	08/05/11 09:10	08/08/11 18:38	7439-92-1	
Selenium	**2.7**	mg/kg	1.1	1	08/05/11 09:10	08/09/11 19:15	7782-49-2	
Silver	ND	mg/kg	0.56	1	08/05/11 09:10	08/08/11 18:38	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/11/11 19:15							
Arsenic	ND	mg/L	0.025	1	08/12/11 19:40	08/14/11 13:00	7440-38-2	
Barium	**1.2**	mg/L	0.50	1	08/12/11 19:40	08/14/11 13:00	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/12/11 19:40	08/14/11 13:00	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/12/11 19:40	08/14/11 13:00	7440-47-3	
Lead	**0.19**	mg/L	0.025	1	08/12/11 19:40	08/14/11 13:00	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/12/11 19:40	08/14/11 13:00	7782-49-2	
Silver	ND	mg/L	0.025	1	08/12/11 19:40	08/14/11 13:00	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/11/11 19:15							
Mercury	ND	ug/L	0.20	1	08/15/11 10:30	08/15/11 14:11	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.055**	mg/kg	0.0049	1	08/09/11 11:10	08/11/11 12:04	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.2**	%	0.10	1		08/03/11 13:44		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

QC Batch: GCSV/5384
QC Batch Method: EPA 8081
Analysis Method: EPA 8081
Analysis Description: 8081 GCS TCLP Pesticides
Associated Lab Samples: 9299499001, 9299499002

METHOD BLANK: 234855
Matrix: Water
Associated Lab Samples: 9299499001, 9299499002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	08/16/11 03:07	
Endrin	mg/L	ND	0.0010	08/16/11 03:07	
gamma-BHC (Lindane)	mg/L	ND	0.0010	08/16/11 03:07	
Heptachlor	mg/L	ND	0.0010	08/16/11 03:07	
Heptachlor epoxide	mg/L	ND	0.0010	08/16/11 03:07	
Methoxychlor	mg/L	ND	0.0010	08/16/11 03:07	
Toxaphene	mg/L	ND	0.0050	08/16/11 03:07	
Decachlorobiphenyl (S)	%	94	70-130	08/16/11 03:07	
Tetrachloro-m-xylene (S)	%	77	70-130	08/16/11 03:07	

LABORATORY CONTROL SAMPLE: 234856

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	mg/L	.005	0.0045	89	70-130	
gamma-BHC (Lindane)	mg/L	.005	0.0043	86	70-130	
Heptachlor	mg/L	.005	0.0042	85	70-130	
Heptachlor epoxide	mg/L	.005	0.0045	91	70-130	
Methoxychlor	mg/L	.005	0.0046	92	70-130	
Decachlorobiphenyl (S)	%			100	70-130	
Tetrachloro-m-xylene (S)	%			78	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 235203 235204

Parameter	Units	9299499001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Endrin	mg/L	0.0020	.005	.005	0.0066	0.0065	93	91	70-130	2	
gamma-BHC (Lindane)	mg/L	ND	.005	.005	0.0045	0.0044	88	87	70-130	2	
Heptachlor	mg/L	ND	.005	.005	0.0043	0.0042	85	85	70-130	.6	
Heptachlor epoxide	mg/L	ND	.005	.005	0.0046	0.0045	92	90	70-130	2	
Methoxychlor	mg/L	ND	.005	.005	0.0047	0.0046	95	92	70-130	3	
Decachlorobiphenyl (S)	%						101	98	70-130		
Tetrachloro-m-xylene (S)	%						78	76	70-130		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

QC Batch: GCSV/5387 — Analysis Method: EPA 8151
QC Batch Method: EPA 8151 — Analysis Description: 8151 GCS Herbicides TCLP
Associated Lab Samples: 9299499001, 9299499002

METHOD BLANK: 235233 — Matrix: Water
Associated Lab Samples: 9299499001, 9299499002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.010	08/17/11 16:53	
2,4-D	mg/L	ND	0.010	08/17/11 16:53	
2,4-DCPA (S)	%	119	70-130	08/17/11 16:53	

LABORATORY CONTROL SAMPLE: 235234

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.012	0.012	98	70-130	
2,4-D	mg/L	.06	0.060	100	70-130	
2,4-DCPA (S)	%			108	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 235235 235236

Parameter	Units	9299499002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-TP (Silvex)	mg/L	ND	.012	.012	0.016	0.012	132	102	70-130	25	M1
2,4-D	mg/L	ND	.06	.06	0.067	0.061	111	102	70-130	8	
2,4-DCPA (S)	%						117	108	70-130		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

QC Batch: MPRP/8839 — Analysis Method: EPA 6010
QC Batch Method: EPA 3050 — Analysis Description: 6010 MET
Associated Lab Samples: 9299499001, 9299499002

METHOD BLANK: 643112 — Matrix: Solid
Associated Lab Samples: 9299499001, 9299499002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	08/08/11 16:40	
Barium	mg/kg	ND	0.50	08/08/11 16:40	
Cadmium	mg/kg	ND	0.10	08/08/11 16:40	
Chromium	mg/kg	ND	0.50	08/08/11 16:40	
Lead	mg/kg	ND	0.50	08/08/11 16:40	
Selenium	mg/kg	ND	1.0	08/08/11 16:40	
Silver	mg/kg	ND	0.50	08/08/11 16:40	

LABORATORY CONTROL SAMPLE: 643113

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	47.6	95	80-120	
Barium	mg/kg	50	49.5	99	80-120	
Cadmium	mg/kg	50	46.6	93	80-120	
Chromium	mg/kg	50	46.5	93	80-120	
Lead	mg/kg	50	47.2	94	80-120	
Selenium	mg/kg	50	48.2	96	80-120	
Silver	mg/kg	25	23.7	95	80-120	

MATRIX SPIKE SAMPLE: 643139

Parameter	Units	9299281001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	9.1	209	206	94	75-125	
Barium	mg/kg	3.3	209	207	98	75-125	
Cadmium	mg/kg	0.22J	209	189	90	75-125	
Chromium	mg/kg	7.3	209	197	91	75-125	
Lead	mg/kg	7.8	209	202	93	75-125	
Selenium	mg/kg	ND	209	203	97	75-125	
Silver	mg/kg	0.32J	104	96.9	92	75-125	

SAMPLE DUPLICATE: 643140

Parameter	Units	9299281002 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	1.6	9.4	141	D6
Barium	mg/kg	7.5	17.2	79	D6
Cadmium	mg/kg	0.39	ND		
Chromium	mg/kg	12.7	62.5	132	D6
Lead	mg/kg	21.3	22.3	4	

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

SAMPLE DUPLICATE: 643140

Parameter	Units	9299281002 Result	Dup Result	RPD	Qualifiers
Selenium	mg/kg	3.0J	2.9J		
Silver	mg/kg	0.27J	.33J		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

QC Batch: MPRP/8894 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET TCLP
Associated Lab Samples: 9299499001, 9299499002

METHOD BLANK: 647439 — Matrix: Water
Associated Lab Samples: 9299499001, 9299499002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.025	08/14/11 12:47	
Barium	mg/L	ND	0.50	08/14/11 12:47	
Cadmium	mg/L	ND	0.0050	08/14/11 12:47	
Chromium	mg/L	ND	0.025	08/14/11 12:47	
Lead	mg/L	ND	0.025	08/14/11 12:47	
Selenium	mg/L	ND	0.10	08/14/11 12:47	
Silver	mg/L	ND	0.025	08/14/11 12:47	

LABORATORY CONTROL SAMPLE: 647440

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.8	113	80-120	
Barium	mg/L	2.5	2.6	104	80-120	
Cadmium	mg/L	2.5	2.5	101	80-120	
Chromium	mg/L	2.5	2.5	100	80-120	
Lead	mg/L	2.5	2.4	95	80-120	
Selenium	mg/L	2.5	2.9	116	80-120	
Silver	mg/L	1.2	1.3	108	80-120	

MATRIX SPIKE SAMPLE: 647441

Parameter	Units	9299499001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	2.5	1.6	66	75-125	M1
Barium	mg/L	1.1	2.5	2.4	53	75-125	M1
Cadmium	mg/L	ND	2.5	1.5	60	75-125	M1
Chromium	mg/L	ND	2.5	1.5	59	75-125	M1
Lead	mg/L	0.16	2.5	1.6	58	75-125	M1
Selenium	mg/L	ND	2.5	1.7	68	75-125	M1
Silver	mg/L	ND	1.2	0.79	63	75-125	M1

SAMPLE DUPLICATE: 647442

Parameter	Units	9299499002 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/L	ND	ND		
Barium	mg/L	1.2	1.2	1	
Cadmium	mg/L	ND	ND		
Chromium	mg/L	ND	.0025J		
Lead	mg/L	0.19	0.19	2	

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

SAMPLE DUPLICATE: 647442

Parameter	Units	9299499002 Result	Dup Result	RPD	Qualifiers
Selenium	mg/L	ND	.052J		
Silver	mg/L	ND	ND		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

QC Batch: MERP/3683 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 9299499001, 9299499002

METHOD BLANK: 647543 — Matrix: Water
Associated Lab Samples: 9299499001, 9299499002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/15/11 14:00	

LABORATORY CONTROL SAMPLE: 647544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.3	91	80-120	

MATRIX SPIKE SAMPLE: 647545

Parameter	Units	9299499001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.3	89	75-125	

SAMPLE DUPLICATE: 647546

Parameter	Units	9299499002 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

QC Batch: MERP/3667 — Analysis Method: EPA 7471
QC Batch Method: EPA 7471 — Analysis Description: 7471 Mercury
Associated Lab Samples: 9299499001, 9299499002

METHOD BLANK: 644772 — Matrix: Solid
Associated Lab Samples: 9299499001, 9299499002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	08/11/11 11:34	

LABORATORY CONTROL SAMPLE: 644773

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.060	90	80-120	

MATRIX SPIKE SAMPLE: 644774

Parameter	Units	9299389001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.052	0.024	38	75-125	M1

MATRIX SPIKE SAMPLE: 644776

Parameter	Units	9299791005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.016	.056	0.073	99	75-125	

SAMPLE DUPLICATE: 644775

Parameter	Units	9299389002 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.010	0.010	1	

SAMPLE DUPLICATE: 644777

Parameter	Units	9299791006 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.0013J	.0014J		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

QC Batch: PMST/4100
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 9299499001, 9299499002

SAMPLE DUPLICATE: 642073

Parameter	Units	9299537004 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	3.5	4.0	15	

SAMPLE DUPLICATE: 642074

Parameter	Units	9299513001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.5	17.7	1	

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QUALIFIERS

Project: 6A WEST CLOSURE 08/02
Pace Project No.: 9299499

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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August 25, 2011

Mr. David Maher
Sevee and Maher Engineers, Inc.
4 Blanchard Road
P.O. Box 85A
Cumberland Center, ME 04021

RE: Project: AREA A WEST 08/09
Pace Project No.: 92100011

Dear Mr. Maher:
Enclosed are the analytical results for sample(s) received by the laboratory on August 09, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: AREA A WEST 08/09
Pace Project No.: 92100011

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE ANALYTE COUNT

Project: AREA A WEST 08/09
Pace Project No.: 92100011

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92100011001	**SS009X009**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C
92100011002	**SS010X00A**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C

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ANALYTICAL RESULTS

Project: AREA A WEST 08/09
Pace Project No.: 92100011

Sample: SS009X009 **Lab ID: 92100011001** Collected: 08/09/11 07:30 Received: 08/09/11 13:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/18/11 14:25	08/19/11 19:46	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/18/11 14:25	08/19/11 19:46	57-74-9	
Endrin	**0.0015**	mg/L	0.0010	1	08/18/11 14:25	08/19/11 19:46	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/18/11 14:25	08/19/11 19:46	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/18/11 14:25	08/19/11 19:46	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/18/11 14:25	08/19/11 19:46	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/18/11 14:25	08/19/11 19:46	8001-35-2	
Decachlorobiphenyl (S)	122	%	70-130	1	08/18/11 14:25	08/19/11 19:46	2051-24-3	
Tetrachloro-m-xylene (S)	98	%	70-130	1	08/18/11 14:25	08/19/11 19:46	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	08/19/11 13:00	08/22/11 17:19	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	08/19/11 13:00	08/22/11 17:19	93-72-1	
2,4-DCPA (S)	112	%	70-130	1	08/19/11 13:00	08/22/11 17:19	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**53.4**	mg/kg	0.61	1	08/15/11 12:40	08/17/11 22:15	7440-38-2	
Barium	**147**	mg/kg	0.61	1	08/15/11 12:40	08/16/11 21:53	7440-39-3	
Cadmium	**2.7**	mg/kg	0.12	1	08/15/11 12:40	08/16/11 21:53	7440-43-9	
Chromium	**35.8**	mg/kg	0.61	1	08/15/11 12:40	08/16/11 21:53	7440-47-3	
Lead	**159**	mg/kg	0.61	1	08/15/11 12:40	08/16/11 21:53	7439-92-1	
Selenium	**3.2**	mg/kg	1.2	1	08/15/11 12:40	08/16/11 21:53	7782-49-2	
Silver	ND	mg/kg	0.61	1	08/15/11 12:40	08/16/11 21:53	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/18/11 18:50							
Arsenic	ND	mg/L	0.025	1	08/19/11 19:30	08/22/11 14:47	7440-38-2	
Barium	**1.0**	mg/L	0.50	1	08/19/11 19:30	08/22/11 14:47	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/19/11 19:30	08/22/11 14:47	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/19/11 19:30	08/22/11 14:47	7440-47-3	
Lead	**0.20**	mg/L	0.025	1	08/19/11 19:30	08/22/11 14:47	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/19/11 19:30	08/22/11 14:47	7782-49-2	
Silver	ND	mg/L	0.025	1	08/19/11 19:30	08/22/11 14:47	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/18/11 18:50							
Mercury	ND	ug/L	0.20	1	08/22/11 11:20	08/22/11 15:33	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.025**	mg/kg	0.0059	1	08/15/11 15:20	08/16/11 14:33	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**25.8**	%	0.10	1		08/12/11 10:44		

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ANALYTICAL RESULTS

Project: AREA A WEST 08/09
Pace Project No.: 92100011

Sample: SS010X00A **Lab ID: 92100011002** Collected: 08/09/11 07:40 Received: 08/09/11 13:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/19/11 15:59	08/20/11 00:19	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/19/11 15:59	08/20/11 00:19	57-74-9	
Endrin	**0.0014**	mg/L	0.0010	1	08/19/11 15:59	08/20/11 00:19	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/19/11 15:59	08/20/11 00:19	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/19/11 15:59	08/20/11 00:19	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/19/11 15:59	08/20/11 00:19	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/19/11 15:59	08/20/11 00:19	8001-35-2	
Decachlorobiphenyl (S)	113	%	70-130	1	08/19/11 15:59	08/20/11 00:19	2051-24-3	
Tetrachloro-m-xylene (S)	85	%	70-130	1	08/19/11 15:59	08/20/11 00:19	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	08/19/11 13:00	08/22/11 18:53	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	08/19/11 13:00	08/22/11 18:53	93-72-1	
2,4-DCPA (S)	92	%	70-130	1	08/19/11 13:00	08/22/11 18:53	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**77.0**	mg/kg	0.73	1	08/15/11 12:40	08/17/11 22:20	7440-38-2	
Barium	**302**	mg/kg	0.73	1	08/15/11 12:40	08/16/11 21:57	7440-39-3	
Cadmium	**2.9**	mg/kg	0.15	1	08/15/11 12:40	08/16/11 21:57	7440-43-9	
Chromium	**67.4**	mg/kg	0.73	1	08/15/11 12:40	08/16/11 21:57	7440-47-3	
Lead	**223**	mg/kg	0.73	1	08/15/11 12:40	08/16/11 21:57	7439-92-1	
Selenium	**1.6**	mg/kg	1.5	1	08/15/11 12:40	08/16/11 21:57	7782-49-2	
Silver	ND	mg/kg	0.73	1	08/15/11 12:40	08/16/11 21:57	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/18/11 18:50							
Arsenic	ND	mg/L	0.025	1	08/19/11 19:30	08/22/11 14:51	7440-38-2	
Barium	**1.1**	mg/L	0.50	1	08/19/11 19:30	08/22/11 14:51	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/19/11 19:30	08/22/11 14:51	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/19/11 19:30	08/22/11 14:51	7440-47-3	
Lead	**0.20**	mg/L	0.025	1	08/19/11 19:30	08/22/11 14:51	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/19/11 19:30	08/22/11 14:51	7782-49-2	
Silver	ND	mg/L	0.025	1	08/19/11 19:30	08/22/11 14:51	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/18/11 18:50							
Mercury	ND	ug/L	0.20	1	08/22/11 11:20	08/22/11 15:36	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.046**	mg/kg	0.0080	1	08/15/11 15:20	08/16/11 14:38	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**37.3**	%	0.10	1		08/12/11 10:45		

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QUALITY CONTROL DATA

Project: AREA A WEST 08/09
Pace Project No.: 92100011

QC Batch: GCSV/5456
QC Batch Method: EPA 8081
Associated Lab Samples: 92100011001

Analysis Method: EPA 8081
Analysis Description: 8081 GCS TCLP Pesticides

METHOD BLANK: 239205
Matrix: Water
Associated Lab Samples: 92100011001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	08/19/11 18:22	
Endrin	mg/L	ND	0.0010	08/19/11 18:22	
gamma-BHC (Lindane)	mg/L	ND	0.0010	08/19/11 18:22	
Heptachlor	mg/L	ND	0.0010	08/19/11 18:22	
Heptachlor epoxide	mg/L	ND	0.0010	08/19/11 18:22	
Methoxychlor	mg/L	ND	0.0010	08/19/11 18:22	
Toxaphene	mg/L	ND	0.0050	08/19/11 18:22	
Decachlorobiphenyl (S)	%	132	70-130	08/19/11 18:22	S3
Tetrachloro-m-xylene (S)	%	108	70-130	08/19/11 18:22	

LABORATORY CONTROL SAMPLE: 239206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	mg/L	.005	0.0048	95	70-130	
gamma-BHC (Lindane)	mg/L	.005	0.0045	90	70-130	
Heptachlor	mg/L	.005	0.0045	91	70-130	
Heptachlor epoxide	mg/L	.005	0.0046	92	70-130	
Methoxychlor	mg/L	.005	0.0047	94	70-130	
Decachlorobiphenyl (S)	%			111	70-130	
Tetrachloro-m-xylene (S)	%			82	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 239631 239632

Parameter	Units	3535631001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Endrin	mg/L	0.00050 U	.005	.005	0.0063	0.0059	126	118	70-130	7	
gamma-BHC (Lindane)	mg/L	0.00050 U	.005	.005	0.0057	0.0053	114	107	70-130	6	
Heptachlor	mg/L	0.00050 U	.005	.005	0.0060	0.0055	119	110	70-130	8	
Heptachlor epoxide	mg/L	0.00050 U	.005	.005	0.0059	0.0055	118	110	70-130	7	
Methoxychlor	mg/L	0.00050 U	.005	.005	0.0066	0.0059	133	119	70-130	11	M1
Decachlorobiphenyl (S)	%						122	115	70-130		
Tetrachloro-m-xylene (S)	%						104	99	70-130		

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QUALITY CONTROL DATA

Project: AREA A WEST 08/09
Pace Project No.: 92100011

QC Batch: GCSV/5466
QC Batch Method: EPA 8081
Analysis Method: EPA 8081
Analysis Description: 8081 GCS TCLP Pesticides
Associated Lab Samples: 92100011002

METHOD BLANK: 239885
Matrix: Water
Associated Lab Samples: 92100011002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	08/19/11 23:16	
Endrin	mg/L	ND	0.0010	08/19/11 23:16	
gamma-BHC (Lindane)	mg/L	ND	0.0010	08/19/11 23:16	
Heptachlor	mg/L	ND	0.0010	08/19/11 23:16	
Heptachlor epoxide	mg/L	ND	0.0010	08/19/11 23:16	
Methoxychlor	mg/L	ND	0.0010	08/19/11 23:16	
Toxaphene	mg/L	ND	0.0050	08/19/11 23:16	
Decachlorobiphenyl (S)	%	115	70-130	08/19/11 23:16	
Tetrachloro-m-xylene (S)	%	85	70-130	08/19/11 23:16	

LABORATORY CONTROL SAMPLE & LCSD: 239886 239935

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Endrin	mg/L	.005	0.0053	0.0054	106	107	70-130	.9	40	
gamma-BHC (Lindane)	mg/L	.005	0.0049	0.0050	98	100	70-130	2	40	
Heptachlor	mg/L	.005	0.0050	0.0051	99	102	70-130	3	40	
Heptachlor epoxide	mg/L	.005	0.0051	0.0052	102	105	70-130	2	40	
Methoxychlor	mg/L	.005	0.0053	0.0053	105	106	70-130	.3	40	
Decachlorobiphenyl (S)	%				119	121	70-130			
Tetrachloro-m-xylene (S)	%				92	93	70-130			

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QUALITY CONTROL DATA

Project: AREA A WEST 08/09
Pace Project No.: 92100011

QC Batch: GCSV/5459 — Analysis Method: EPA 8151
QC Batch Method: EPA 8151 — Analysis Description: 8151 GCS Herbicides TCLP
Associated Lab Samples: 92100011001, 92100011002

METHOD BLANK: 239599 — Matrix: Water
Associated Lab Samples: 92100011001, 92100011002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.010	08/22/11 16:17	
2,4-D	mg/L	ND	0.010	08/22/11 16:17	
2,4-DCPA (S)	%	122	70-130	08/22/11 16:17	

LABORATORY CONTROL SAMPLE: 239600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.012	0.013	108	70-130	
2,4-D	mg/L	.06	0.066	110	70-130	
2,4-DCPA (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 239601 239602

Parameter	Units	92100011001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-TP (Silvex)	mg/L	ND	.012		0.014	0.013	114		70-130		
2,4-D	mg/L				0.069	0.066				4	
2,4-DCPA (S)	%						113	109	70-130		

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QUALITY CONTROL DATA

Project: AREA A WEST 08/09
Pace Project No.: 92100011

QC Batch: MPRP/8902 — Analysis Method: EPA 6010
QC Batch Method: EPA 3050 — Analysis Description: 6010 MET
Associated Lab Samples: 92100011001, 92100011002

METHOD BLANK: 647569 — Matrix: Solid
Associated Lab Samples: 92100011001, 92100011002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	08/16/11 20:26	
Barium	mg/kg	ND	0.50	08/16/11 20:26	
Cadmium	mg/kg	ND	0.10	08/16/11 20:26	
Chromium	mg/kg	ND	0.50	08/16/11 20:26	
Lead	mg/kg	ND	0.50	08/16/11 20:26	
Selenium	mg/kg	ND	1.0	08/16/11 20:26	
Silver	mg/kg	ND	0.50	08/16/11 20:26	

LABORATORY CONTROL SAMPLE: 647570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	50.9	102	80-120	
Barium	mg/kg	50	50.0	100	80-120	
Cadmium	mg/kg	50	51.3	103	80-120	
Chromium	mg/kg	50	52.4	105	80-120	
Lead	mg/kg	50	51.9	104	80-120	
Selenium	mg/kg	50	51.4	103	80-120	
Silver	mg/kg	25	25.4	102	80-120	

MATRIX SPIKE SAMPLE: 647571

Parameter	Units	9299989004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	500 ug/g	42.4	1680	2797	75-125	M6
Barium	mg/kg	177 ug/g	42.4	68.5	-255	75-125	M1
Cadmium	mg/kg	30.3 ug/g	42.4	45.0	35	75-125	M1
Chromium	mg/kg	128 ug/g	42.4	47.5	-189	75-125	M1
Lead	mg/kg	1660 ug/g	42.4	236	-3361	75-125	M1
Selenium	mg/kg	ND	42.4	54.1	127	75-125	M1
Silver	mg/kg	ND	21.2	23.8	111	75-125	

SAMPLE DUPLICATE: 647572

Parameter	Units	92100024002 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	2.6	1.3	68	D6
Barium	mg/kg	73.4	84.2	14	
Cadmium	mg/kg	ND	0.12		
Chromium	mg/kg	13.5	14.3	5	
Lead	mg/kg	10.4	11.3	9	

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QUALITY CONTROL DATA

Project: AREA A WEST 08/09
Pace Project No.: 92100011

SAMPLE DUPLICATE: 647572

Parameter	Units	92100024002 Result	Dup Result	RPD	Qualifiers
Selenium	mg/kg	ND	1J		
Silver	mg/kg	ND	.082J		

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QUALITY CONTROL DATA

Project: AREA A WEST 08/09
Pace Project No.: 92100011

QC Batch: MPRP/8939 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET TCLP
Associated Lab Samples: 92100011001, 92100011002

METHOD BLANK: 650596 — Matrix: Water
Associated Lab Samples: 92100011001, 92100011002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.025	08/22/11 14:25	
Barium	mg/L	ND	0.50	08/22/11 14:25	
Cadmium	mg/L	ND	0.0050	08/22/11 14:25	
Chromium	mg/L	ND	0.025	08/22/11 14:25	
Lead	mg/L	ND	0.025	08/22/11 14:25	
Selenium	mg/L	ND	0.10	08/22/11 14:25	
Silver	mg/L	ND	0.025	08/22/11 14:25	

LABORATORY CONTROL SAMPLE: 650597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.6	105	80-120	
Barium	mg/L	2.5	2.4	97	80-120	
Cadmium	mg/L	2.5	2.4	95	80-120	
Chromium	mg/L	2.5	2.4	95	80-120	
Lead	mg/L	2.5	2.2	88	80-120	
Selenium	mg/L	2.5	2.8	112	80-120	
Silver	mg/L	1.2	1.3	107	80-120	

MATRIX SPIKE SAMPLE: 650598

Parameter	Units	9299874001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	2.5	2.6	103	75-125	
Barium	mg/L	6.4	2.5	8.2	70	75-125	M1
Cadmium	mg/L	ND	2.5	2.4	95	75-125	
Chromium	mg/L	ND	2.5	2.4	94	75-125	
Lead	mg/L	ND	2.5	2.3	89	75-125	
Selenium	mg/L	ND	2.5	2.7	108	75-125	
Silver	mg/L	ND	1.2	1.3	101	75-125	

SAMPLE DUPLICATE: 650599

Parameter	Units	9299929001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/L	ND	ND		
Barium	mg/L	0.68	0.68	1	
Cadmium	mg/L	ND	ND		
Chromium	mg/L	ND	ND		
Lead	mg/L	ND	ND		

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QUALITY CONTROL DATA

Project: AREA A WEST 08/09
Pace Project No.: 92100011

SAMPLE DUPLICATE: 650599

Parameter	Units	9299929001 Result	Dup Result	RPD	Qualifiers
Selenium	mg/L	ND	ND		
Silver	mg/L	ND	ND		

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QUALITY CONTROL DATA

Project: AREA A WEST 08/09
Pace Project No.: 92100011

QC Batch: MERP/3700 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 92100011001, 92100011002

METHOD BLANK: 650891 — Matrix: Water
Associated Lab Samples: 92100011001, 92100011002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/22/11 15:12	

LABORATORY CONTROL SAMPLE: 650892

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	94	80-120	

MATRIX SPIKE SAMPLE: 650893

Parameter	Units	9299874001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	1.7	69	75-125	M1

SAMPLE DUPLICATE: 650894

Parameter	Units	9299929001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: AREA A WEST 08/09
Pace Project No.: 92100011

QC Batch: MERP/3686 — Analysis Method: EPA 7471
QC Batch Method: EPA 7471 — Analysis Description: 7471 Mercury
Associated Lab Samples: 92100011001, 92100011002

METHOD BLANK: 647720 — Matrix: Solid
Associated Lab Samples: 92100011001, 92100011002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	08/16/11 14:28	

LABORATORY CONTROL SAMPLE: 647721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.055	83	80-120	

MATRIX SPIKE SAMPLE: 647722

Parameter	Units	92100011001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.025	.067	0.064	58	75-125	M1

MATRIX SPIKE SAMPLE: 647724

Parameter	Units	92100201010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.025	.061	0.061	59	75-125	M1

SAMPLE DUPLICATE: 647723

Parameter	Units	92100011002 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.046	0.064	33	D6

SAMPLE DUPLICATE: 647725

Parameter	Units	92100201011 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.024	0.024	1	

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QUALITY CONTROL DATA

Project: AREA A WEST 08/09
Pace Project No.: 92100011

QC Batch: PMST/4119
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92100011001, 92100011002

SAMPLE DUPLICATE: 646076

Parameter	Units	9299687001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.0	13.8	8	

SAMPLE DUPLICATE: 646077

Parameter	Units	92100163013 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	14.8	14.3	3	

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QUALIFIERS

Project: AREA A WEST 08/09
Pace Project No.: 92100011

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
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LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-O	Pace Analytical Services - Ormond Beach

BATCH QUALIFIERS

Batch: GCSV/4097

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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August 31, 2011

Mr. David Maher
Sevee and Maher Engineers, Inc.
4 Blanchard Road
P.O. Box 85A
Cumberland Center, ME 04021

RE: Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

Dear Mr. Maher:
Enclosed are the analytical results for sample(s) received by the laboratory on August 16, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE ANALYTE COUNT

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92100492001	**SS011X00B**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	JMW	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	JEA	1	PASI-C
92100492002	**SS012X00C**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	JMW	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	JEA	1	PASI-C

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ANALYTICAL RESULTS

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

Sample: SS011X00B **Lab ID: 92100492001** Collected: 08/16/11 08:00 Received: 08/16/11 11:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/23/11 11:20	08/25/11 19:19	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/23/11 11:20	08/25/11 19:19	57-74-9	
Endrin	**0.0023**	mg/L	0.0010	1	08/23/11 11:20	08/25/11 19:19	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/23/11 11:20	08/25/11 19:19	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/23/11 11:20	08/25/11 19:19	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/23/11 11:20	08/25/11 19:19	72-43-5	L3,M0
Toxaphene	ND	mg/L	0.0050	1	08/23/11 11:20	08/25/11 19:19	8001-35-2	
Decachlorobiphenyl (S)	135	%	70-130	1	08/23/11 11:20	08/25/11 19:19	2051-24-3	S1
Tetrachloro-m-xylene (S)	106	%	70-130	1	08/23/11 11:20	08/25/11 19:19	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	08/25/11 08:00	08/29/11 22:34	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	08/25/11 08:00	08/29/11 22:34	93-72-1	
2,4-DCPA (S)	127	%	70-130	1	08/25/11 08:00	08/29/11 22:34	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**44.7**	mg/kg	0.60	1	08/17/11 14:30	08/22/11 19:12	7440-38-2	
Barium	**368**	mg/kg	0.60	1	08/17/11 14:30	08/22/11 19:12	7440-39-3	
Cadmium	**1.1**	mg/kg	0.12	1	08/17/11 14:30	08/22/11 19:12	7440-43-9	
Chromium	**107**	mg/kg	0.60	1	08/17/11 14:30	08/22/11 19:12	7440-47-3	
Lead	**154**	mg/kg	0.60	1	08/17/11 14:30	08/22/11 19:12	7439-92-1	
Selenium	**2.9**	mg/kg	1.2	1	08/17/11 14:30	08/22/11 19:12	7782-49-2	
Silver	ND	mg/kg	0.60	1	08/17/11 14:30	08/22/11 19:12	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/24/20 19:00							
Arsenic	ND	mg/L	0.025	1	08/26/11 08:45	08/26/11 14:42	7440-38-2	
Barium	**1.4**	mg/L	0.50	1	08/26/11 08:45	08/26/11 14:42	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/26/11 08:45	08/26/11 14:42	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/26/11 08:45	08/26/11 14:42	7440-47-3	
Lead	**0.19**	mg/L	0.025	1	08/26/11 08:45	08/26/11 14:42	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/26/11 08:45	08/26/11 14:42	7782-49-2	
Silver	ND	mg/L	0.025	1	08/26/11 08:45	08/26/11 14:42	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/24/20 19:00							
Mercury	ND	ug/L	0.20	1	08/26/11 11:35	08/26/11 14:58	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.037**	mg/kg	0.0052	1	08/19/11 14:45	08/22/11 14:13	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**20.5**	%	0.10	1		08/19/11 14:02		

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ANALYTICAL RESULTS

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

Sample: SS012X00C **Lab ID: 92100492002** Collected: 08/16/11 08:15 Received: 08/16/11 11:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/23/11 11:20	08/25/11 19:40	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/23/11 11:20	08/25/11 19:40	57-74-9	
Endrin	**0.0030**	mg/L	0.0010	1	08/23/11 11:20	08/25/11 19:40	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/23/11 11:20	08/25/11 19:40	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/23/11 11:20	08/25/11 19:40	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/23/11 11:20	08/25/11 19:40	72-43-5	L3
Toxaphene	ND	mg/L	0.0050	1	08/23/11 11:20	08/25/11 19:40	8001-35-2	
Decachlorobiphenyl (S)	136	%	70-130	1	08/23/11 11:20	08/25/11 19:40	2051-24-3	S1
Tetrachloro-m-xylene (S)	101	%	70-130	1	08/23/11 11:20	08/25/11 19:40	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	08/25/11 08:00	08/30/11 00:07	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	08/25/11 08:00	08/30/11 00:07	93-72-1	
2,4-DCPA (S)	117	%	70-130	1	08/25/11 08:00	08/30/11 00:07	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**30.9**	mg/kg	0.62	1	08/17/11 14:30	08/22/11 19:15	7440-38-2	
Barium	**156**	mg/kg	0.62	1	08/17/11 14:30	08/22/11 19:15	7440-39-3	
Cadmium	**0.87**	mg/kg	0.12	1	08/17/11 14:30	08/22/11 19:15	7440-43-9	
Chromium	**36.2**	mg/kg	0.62	1	08/17/11 14:30	08/22/11 19:15	7440-47-3	
Lead	**101**	mg/kg	0.62	1	08/17/11 14:30	08/22/11 19:15	7439-92-1	
Selenium	**2.1**	mg/kg	1.2	1	08/17/11 14:30	08/22/11 19:15	7782-49-2	
Silver	ND	mg/kg	0.62	1	08/17/11 14:30	08/22/11 19:15	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/24/20 19:00							
Arsenic	ND	mg/L	0.025	1	08/26/11 08:45	08/26/11 14:45	7440-38-2	
Barium	**1.3**	mg/L	0.50	1	08/26/11 08:45	08/26/11 14:45	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/26/11 08:45	08/26/11 14:45	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/26/11 08:45	08/26/11 14:45	7440-47-3	
Lead	**0.24**	mg/L	0.025	1	08/26/11 08:45	08/26/11 14:45	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/26/11 08:45	08/26/11 14:45	7782-49-2	
Silver	ND	mg/L	0.025	1	08/26/11 08:45	08/26/11 14:45	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/24/20 19:00							
Mercury	ND	ug/L	0.20	1	08/26/11 11:35	08/26/11 15:04	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.095**	mg/kg	0.0044	1	08/19/11 14:45	08/22/11 14:16	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**23.4**	%	0.10	1		08/19/11 14:03		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

QC Batch: GCSV/5492 — Analysis Method: EPA 8081
QC Batch Method: EPA 8081 — Analysis Description: 8081 GCS TCLP Pesticides
Associated Lab Samples: 92100492001, 92100492002

METHOD BLANK: 241561 — Matrix: Water
Associated Lab Samples: 92100492001, 92100492002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	08/25/11 17:55	
Endrin	mg/L	ND	0.0010	08/25/11 17:55	
gamma-BHC (Lindane)	mg/L	ND	0.0010	08/25/11 17:55	
Heptachlor	mg/L	ND	0.0010	08/25/11 17:55	
Heptachlor epoxide	mg/L	ND	0.0010	08/25/11 17:55	
Methoxychlor	mg/L	ND	0.0010	08/25/11 17:55	
Toxaphene	mg/L	ND	0.0050	08/25/11 17:55	
Decachlorobiphenyl (S)	%	134	70-130	08/25/11 17:55	S3
Tetrachloro-m-xylene (S)	%	107	70-130	08/25/11 17:55	

LABORATORY CONTROL SAMPLE: 241562

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	mg/L	.005	0.0059	118	70-130	
gamma-BHC (Lindane)	mg/L	.005	0.0055	111	70-130	
Heptachlor	mg/L	.005	0.0055	109	70-130	
Heptachlor epoxide	mg/L	.005	0.0055	110	70-130	
Methoxychlor	mg/L	.005	0.0066	132	70-130	L0
Decachlorobiphenyl (S)	%			125	70-130	
Tetrachloro-m-xylene (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 241563 241564

Parameter	Units	92100492001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Endrin	mg/L	0.0023	.005	.005	0.0081	0.0081	117	117	70-130	.3	
gamma-BHC (Lindane)	mg/L	ND	.005	.005	0.0056	0.0057	112	114	70-130	2	
Heptachlor	mg/L	ND	.005	.005	0.0056	0.0057	111	113	70-130	2	
Heptachlor epoxide	mg/L	ND	.005	.005	0.0057	0.0057	113	115	70-130	1	
Methoxychlor	mg/L	ND	.005	.005	0.0068	0.0068	135	137	70-130	1	M0
Decachlorobiphenyl (S)	%						134	133	70-130		S1
Tetrachloro-m-xylene (S)	%						102	105	70-130		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

QC Batch: GCSV/5506
QC Batch Method: EPA 8151
Analysis Method: EPA 8151
Analysis Description: 8151 GCS Herbicides TCLP
Associated Lab Samples: 92100492001, 92100492002

METHOD BLANK: 242601
Matrix: Water
Associated Lab Samples: 92100492001, 92100492002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.010	08/29/11 21:32	
2,4-D	mg/L	ND	0.010	08/29/11 21:32	
2,4-DCPA (S)	%	125	70-130	08/29/11 21:32	

LABORATORY CONTROL SAMPLE: 242602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.012	0.013	109	70-130	
2,4-D	mg/L	.06	0.072	120	70-130	
2,4-DCPA (S)	%			114	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 242847 242848

Parameter	Units	92100492001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-TP (Silvex)	mg/L	ND	.012	.012	0.012	0.012	99	98	70-130	1	
2,4-D	mg/L	ND	.06	.06	0.066	0.068	111	113	70-130	2	
2,4-DCPA (S)	%						104	104	70-130		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

QC Batch: MPRP/8920 — Analysis Method: EPA 6010
QC Batch Method: EPA 3050 — Analysis Description: 6010 MET
Associated Lab Samples: 92100492001, 92100492002

METHOD BLANK: 648715 — Matrix: Solid
Associated Lab Samples: 92100492001, 92100492002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	08/22/11 18:07	
Barium	mg/kg	ND	0.50	08/22/11 18:07	
Cadmium	mg/kg	ND	0.10	08/22/11 18:07	
Chromium	mg/kg	ND	0.50	08/22/11 18:07	
Lead	mg/kg	ND	0.50	08/22/11 18:07	
Selenium	mg/kg	ND	1.0	08/22/11 18:07	
Silver	mg/kg	ND	0.50	08/22/11 18:07	

LABORATORY CONTROL SAMPLE: 648716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	51.3	103	80-120	
Barium	mg/kg	50	51.4	103	80-120	
Cadmium	mg/kg	50	51.3	103	80-120	
Chromium	mg/kg	50	50.6	101	80-120	
Lead	mg/kg	50	51.1	102	80-120	
Selenium	mg/kg	50	52.9	106	80-120	
Silver	mg/kg	25	25.8	103	80-120	

MATRIX SPIKE SAMPLE: 648717

Parameter	Units	92100508001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	ND	171	165	97	75-125	
Barium	mg/kg	37.7	171	301	92	75-125	
Cadmium	mg/kg	2.8	171	172	94	75-125	
Chromium	mg/kg	1.5	171	162	91	75-125	
Lead	mg/kg	ND	171	147	86	75-125	
Selenium	mg/kg	ND	171	163	94	75-125	
Silver	mg/kg	0.78	85.3	84.6	96	75-125	

SAMPLE DUPLICATE: 648718

Parameter	Units	92100347015 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	3.2	3.9	20	
Barium	mg/kg	95.0	97.1	2	
Cadmium	mg/kg	2.7	2.7	2	
Chromium	mg/kg	36.9	42.8	15	
Lead	mg/kg	76.0	77.9	2	

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

SAMPLE DUPLICATE: 648718

Parameter	Units	92100347015 Result	Dup Result	RPD	Qualifiers
Selenium	mg/kg	ND	.64J		
Silver	mg/kg	ND	.55J		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

QC Batch: MPRP/8972 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET TCLP
Associated Lab Samples: 92100492001, 92100492002

METHOD BLANK: 652941 — Matrix: Water
Associated Lab Samples: 92100492001, 92100492002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.025	08/26/11 14:01	
Barium	mg/L	ND	0.50	08/26/11 14:01	
Cadmium	mg/L	ND	0.0050	08/26/11 14:01	
Chromium	mg/L	ND	0.025	08/26/11 14:01	
Lead	mg/L	ND	0.025	08/26/11 14:01	
Selenium	mg/L	ND	0.10	08/26/11 14:01	
Silver	mg/L	ND	0.025	08/26/11 14:01	

LABORATORY CONTROL SAMPLE: 652942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.6	103	80-120	
Barium	mg/L	2.5	2.9	115	80-120	
Cadmium	mg/L	2.5	2.5	100	80-120	
Chromium	mg/L	2.5	2.4	97	80-120	
Lead	mg/L	2.5	2.3	94	80-120	
Selenium	mg/L	2.5	2.6	102	80-120	
Silver	mg/L	1.2	1.3	101	80-120	

MATRIX SPIKE SAMPLE: 652943

Parameter	Units	92100347014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	2.5	2.5	100	75-125	
Barium	mg/L	ND	2.5	2.9	110	75-125	
Cadmium	mg/L	ND	2.5	2.4	97	75-125	
Chromium	mg/L	3.3	2.5	5.3	82	75-125	
Lead	mg/L	ND	2.5	2.3	91	75-125	
Selenium	mg/L	ND	2.5	2.5	100	75-125	
Silver	mg/L	ND	1.2	0.99	79	75-125	

SAMPLE DUPLICATE: 652944

Parameter	Units	92100347016 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/L	ND	ND		
Barium	mg/L	0.56	0.56	1	
Cadmium	mg/L	ND	ND		
Chromium	mg/L	ND	.0055J		
Lead	mg/L	ND	ND		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

SAMPLE DUPLICATE: 652944

Parameter	Units	92100347016 Result	Dup Result	RPD	Qualifiers
Selenium	mg/L	ND	ND		
Silver	mg/L	ND	.0021J		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

QC Batch: MERP/3708
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 92100492001, 92100492002

METHOD BLANK: 653045
Matrix: Water
Associated Lab Samples: 92100492001, 92100492002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/26/11 14:43	

LABORATORY CONTROL SAMPLE: 653046

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.2	87	80-120	

MATRIX SPIKE SAMPLE: 653047

Parameter	Units	92100492001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.2	88	75-125	

SAMPLE DUPLICATE: 653048

Parameter	Units	92100492002 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

QC Batch: MERP/3698 — Analysis Method: EPA 7471
QC Batch Method: EPA 7471 — Analysis Description: 7471 Mercury
Associated Lab Samples: 92100492001, 92100492002

METHOD BLANK: 650207 — Matrix: Solid
Associated Lab Samples: 92100492001, 92100492002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	08/22/11 13:38	

LABORATORY CONTROL SAMPLE: 650208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.062	93	80-120	

MATRIX SPIKE SAMPLE: 650209

Parameter	Units	92100347007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.073	0.067	87	75-125	

MATRIX SPIKE SAMPLE: 650231

Parameter	Units	92100760005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.024	.062	0.079	88	75-125	

SAMPLE DUPLICATE: 650210

Parameter	Units	92100347014 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	ND	.0033J		

SAMPLE DUPLICATE: 650232

Parameter	Units	92100760006 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.046	0.046	1	

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

QC Batch: PMST/4138
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92100492001, 92100492002

SAMPLE DUPLICATE: 650014

Parameter	Units	92100492002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	23.4	23.3	0	

SAMPLE DUPLICATE: 650027

Parameter	Units	9299801001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	26.4	26.1	1	

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QUALIFIERS

Project: 6A WEST CLOSURE 08/16
Pace Project No.: 92100492

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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September 16, 2011

Mr. David Maher
Sevee and Maher Engineers, Inc.
4 Blanchard Road
P.O. Box 85A
Cumberland Center, ME 04021

RE: Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

Dear Mr. Maher:
Enclosed are the analytical results for sample(s) received by the laboratory on August 23, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE ANALYTE COUNT

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92100960001	**SS013X00D**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C
92100960002	**SS014X00E**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C

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ANALYTICAL RESULTS

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

Sample: SS013X00D **Lab ID: 92100960001** Collected: 08/19/11 11:00 Received: 08/23/11 14:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/30/11 15:24	08/30/11 19:46	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/30/11 15:24	08/30/11 19:46	57-74-9	
Endrin	**0.0014**	mg/L	0.0010	1	08/30/11 15:24	08/30/11 19:46	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/30/11 15:24	08/30/11 19:46	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/30/11 15:24	08/30/11 19:46	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/30/11 15:24	08/30/11 19:46	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/30/11 15:24	08/30/11 19:46	8001-35-2	
Decachlorobiphenyl (S)	96	%	70-130	1	08/30/11 15:24	08/30/11 19:46	2051-24-3	
Tetrachloro-m-xylene (S)	73	%	70-130	1	08/30/11 15:24	08/30/11 19:46	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	09/01/11 08:00	09/04/11 00:22	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	09/01/11 08:00	09/04/11 00:22	93-72-1	
2,4-DCPA (S)	94	%	70-130	1	09/01/11 08:00	09/04/11 00:22	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**45.3**	mg/kg	0.58	1	08/26/11 11:55	08/27/11 00:39	7440-38-2	
Barium	**298**	mg/kg	0.58	1	08/26/11 11:55	08/27/11 00:39	7440-39-3	
Cadmium	**3.1**	mg/kg	0.12	1	08/26/11 11:55	08/27/11 00:39	7440-43-9	
Chromium	**86.4**	mg/kg	0.58	1	08/26/11 11:55	08/27/11 00:39	7440-47-3	
Lead	**134**	mg/kg	0.58	1	08/26/11 11:55	08/27/11 00:39	7439-92-1	
Selenium	ND	mg/kg	1.2	1	08/26/11 11:55	08/27/11 00:39	7782-49-2	
Silver	ND	mg/kg	0.58	1	08/26/11 11:55	08/27/11 00:39	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/26/11 18:50							
Arsenic	ND	mg/L	0.025	1	08/28/11 12:10	08/28/11 17:29	7440-38-2	
Barium	**0.96**	mg/L	0.50	1	08/28/11 12:10	08/28/11 17:29	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/28/11 12:10	08/28/11 17:29	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/28/11 12:10	08/28/11 17:29	7440-47-3	
Lead	**0.17**	mg/L	0.025	1	08/28/11 12:10	08/28/11 17:29	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/28/11 12:10	08/28/11 17:29	7782-49-2	
Silver	ND	mg/L	0.025	1	08/28/11 12:10	08/28/11 17:29	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/26/11 18:50							
Mercury	ND	ug/L	0.20	1	08/29/11 12:05	08/29/11 17:23	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.038**	mg/kg	0.0058	1	08/24/11 12:50	08/24/11 15:44	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.6**	%	0.10	1		08/24/11 17:07		

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ANALYTICAL RESULTS

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

Sample: SS014X00E **Lab ID: 92100960002** Collected: 08/23/11 07:30 Received: 08/23/11 14:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	08/30/11 15:24	08/30/11 20:07	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	08/30/11 15:24	08/30/11 20:07	57-74-9	
Endrin	**0.0015**	mg/L	0.0010	1	08/30/11 15:24	08/30/11 20:07	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	08/30/11 15:24	08/30/11 20:07	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	08/30/11 15:24	08/30/11 20:07	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	08/30/11 15:24	08/30/11 20:07	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	08/30/11 15:24	08/30/11 20:07	8001-35-2	
Decachlorobiphenyl (S)	100	%	70-130	1	08/30/11 15:24	08/30/11 20:07	2051-24-3	
Tetrachloro-m-xylene (S)	77	%	70-130	1	08/30/11 15:24	08/30/11 20:07	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	09/01/11 08:00	09/04/11 00:48	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	09/01/11 08:00	09/04/11 00:48	93-72-1	
2,4-DCPA (S)	103	%	70-130	1	09/01/11 08:00	09/04/11 00:48	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**51.8**	mg/kg	0.55	1	08/26/11 11:55	08/27/11 00:56	7440-38-2	
Barium	**296**	mg/kg	0.55	1	08/26/11 11:55	08/27/11 00:56	7440-39-3	
Cadmium	**2.6**	mg/kg	0.11	1	08/26/11 11:55	08/27/11 00:56	7440-43-9	
Chromium	**66.4**	mg/kg	0.55	1	08/26/11 11:55	08/27/11 00:56	7440-47-3	
Lead	**151**	mg/kg	0.55	1	08/26/11 11:55	08/27/11 00:56	7439-92-1	
Selenium	**1.1**	mg/kg	1.1	1	08/26/11 11:55	08/27/11 00:56	7782-49-2	
Silver	ND	mg/kg	0.55	1	08/26/11 11:55	08/27/11 00:56	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 08/26/11 18:50							
Arsenic	ND	mg/L	0.025	1	08/28/11 12:10	08/28/11 17:46	7440-38-2	
Barium	**1.2**	mg/L	0.50	1	08/28/11 12:10	08/28/11 17:46	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	08/28/11 12:10	08/28/11 17:46	7440-43-9	
Chromium	ND	mg/L	0.025	1	08/28/11 12:10	08/28/11 17:46	7440-47-3	
Lead	**0.17**	mg/L	0.025	1	08/28/11 12:10	08/28/11 17:46	7439-92-1	
Selenium	ND	mg/L	0.10	1	08/28/11 12:10	08/29/11 11:59	7782-49-2	
Silver	ND	mg/L	0.025	1	08/28/11 12:10	08/28/11 17:46	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 08/26/11 18:50							
Mercury	ND	ug/L	0.20	1	08/29/11 12:05	08/29/11 17:26	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.039**	mg/kg	0.0057	1	08/24/11 12:50	08/24/11 15:49	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.9**	%	0.10	1		08/24/11 17:07		

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QUALITY CONTROL DATA

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

QC Batch: GCSV/5549 — Analysis Method: EPA 8081
QC Batch Method: EPA 8081 — Analysis Description: 8081 GCS TCLP Pesticides
Associated Lab Samples: 92100960001, 92100960002

METHOD BLANK: 244819 — Matrix: Water
Associated Lab Samples: 92100960001, 92100960002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	08/30/11 18:22	
Endrin	mg/L	ND	0.0010	08/30/11 18:22	
gamma-BHC (Lindane)	mg/L	ND	0.0010	08/30/11 18:22	
Heptachlor	mg/L	ND	0.0010	08/30/11 18:22	
Heptachlor epoxide	mg/L	ND	0.0010	08/30/11 18:22	
Methoxychlor	mg/L	ND	0.0010	08/30/11 18:22	
Toxaphene	mg/L	ND	0.0050	08/30/11 18:22	
Decachlorobiphenyl (S)	%	108	70-130	08/30/11 18:22	
Tetrachloro-m-xylene (S)	%	72	70-130	08/30/11 18:22	

LABORATORY CONTROL SAMPLE: 244820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	mg/L	.005	0.0050	100	70-130	
gamma-BHC (Lindane)	mg/L	.005	0.0044	89	70-130	
Heptachlor	mg/L	.005	0.0042	83	70-130	
Heptachlor epoxide	mg/L	.005	0.0045	89	70-130	
Methoxychlor	mg/L	.005	0.0055	111	70-130	
Decachlorobiphenyl (S)	%			108	70-130	
Tetrachloro-m-xylene (S)	%			74	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 245088 245089

Parameter	Units	92100960001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Endrin	mg/L	0.0014	.005	.005	0.0062	0.0059	96	89	70-130	6	
gamma-BHC (Lindane)	mg/L	ND	.005	.005	0.0046	0.0041	91	82	70-130	10	
Heptachlor	mg/L	ND	.005	.005	0.0042	0.0038	85	76	70-130	10	
Heptachlor epoxide	mg/L	ND	.005	.005	0.0045	0.0042	89	83	70-130	7	
Methoxychlor	mg/L	ND	.005	.005	0.0053	0.0052	106	103	70-130	2	
Decachlorobiphenyl (S)	%						103	100	70-130		
Tetrachloro-m-xylene (S)	%						79	69	70-130		S1

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QUALITY CONTROL DATA

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

QC Batch: GCSV/5550 — Analysis Method: EPA 8151
QC Batch Method: EPA 8151 — Analysis Description: 8151 GCS Herbicides TCLP
Associated Lab Samples: 92100960001, 92100960002

METHOD BLANK: 245158 — Matrix: Water
Associated Lab Samples: 92100960001, 92100960002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.010	09/03/11 21:46	
2,4-D	mg/L	ND	0.010	09/03/11 21:46	
2,4-DCPA (S)	%	107	70-130	09/03/11 21:46	

LABORATORY CONTROL SAMPLE: 245159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.012	0.014	115	70-130	
2,4-D	mg/L	.06	0.064	106	70-130	
2,4-DCPA (S)	%			111	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 246087 246088

Parameter	Units	92100828001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2,4,5-TP (Silvex)	mg/L	ND	.012	.012	0.013	0.018	111	149	70-130	29	M1
2,4-D	mg/L	ND	.06	.06	0.056	0.060	93	100	70-130	7	
2,4-DCPA (S)	%						104	105	70-130		

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QUALITY CONTROL DATA

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

QC Batch: MPRP/8975 — Analysis Method: EPA 6010
QC Batch Method: EPA 3050 — Analysis Description: 6010 MET
Associated Lab Samples: 92100960001, 92100960002

METHOD BLANK: 653072 — Matrix: Solid
Associated Lab Samples: 92100960001, 92100960002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	08/26/11 22:58	
Barium	mg/kg	ND	0.50	08/26/11 22:58	
Cadmium	mg/kg	ND	0.10	08/26/11 22:58	
Chromium	mg/kg	ND	0.50	08/26/11 22:58	
Lead	mg/kg	ND	0.50	08/26/11 22:58	
Selenium	mg/kg	ND	1.0	08/26/11 22:58	
Silver	mg/kg	ND	0.50	08/26/11 22:58	

LABORATORY CONTROL SAMPLE: 653073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	48.1	96	80-120	
Barium	mg/kg	50	48.1	96	80-120	
Cadmium	mg/kg	50	49.0	98	80-120	
Chromium	mg/kg	50	48.1	96	80-120	
Lead	mg/kg	50	49.0	98	80-120	
Selenium	mg/kg	50	49.4	99	80-120	
Silver	mg/kg	25	25.1	100	80-120	

MATRIX SPIKE SAMPLE: 653074

Parameter	Units	92100847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	4.77 ug/g	49	48.8	90	75-125	
Barium	mg/kg	45.6 ug/g	49	85.7	82	75-125	
Cadmium	mg/kg	0.328 ug/g	49	41.9	85	75-125	
Chromium	mg/kg	18.0 ug/g	49	61.2	88	75-125	
Lead	mg/kg	8.91 ug/g	49	49.3	82	75-125	
Selenium	mg/kg	ND	49	44.9	90	75-125	
Silver	mg/kg	ND	24.5	22.8	93	75-125	

SAMPLE DUPLICATE: 653075

Parameter	Units	92100842005 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	1.3	1.5	14	
Barium	mg/kg	12.0	12.7	6	
Cadmium	mg/kg	0.13	0.12	15	
Chromium	mg/kg	10.1	5.1	66	D6
Lead	mg/kg	48.8	27.9	54	D6

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QUALITY CONTROL DATA

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

SAMPLE DUPLICATE: 653075

Parameter	Units	92100842005 Result	Dup Result	RPD	Qualifiers
Selenium	mg/kg	ND	ND		
Silver	mg/kg	ND	ND		

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QUALITY CONTROL DATA

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

QC Batch: MPRP/8979 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET TCLP
Associated Lab Samples: 92100960001, 92100960002

METHOD BLANK: 653463 — Matrix: Water
Associated Lab Samples: 92100960001, 92100960002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.025	08/28/11 16:25	
Barium	mg/L	ND	0.50	08/28/11 16:25	
Cadmium	mg/L	ND	0.0050	08/28/11 16:25	
Chromium	mg/L	ND	0.025	08/28/11 16:25	
Lead	mg/L	ND	0.025	08/28/11 16:25	
Selenium	mg/L	ND	0.10	08/28/11 16:25	
Silver	mg/L	ND	0.025	08/28/11 16:25	

LABORATORY CONTROL SAMPLE: 653464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.7	109	80-120	
Barium	mg/L	2.5	2.3	93	80-120	
Cadmium	mg/L	2.5	2.4	95	80-120	
Chromium	mg/L	2.5	2.3	92	80-120	
Lead	mg/L	2.5	2.2	90	80-120	
Selenium	mg/L	2.5	2.9	118	80-120	
Silver	mg/L	1.2	1.3	106	80-120	

MATRIX SPIKE SAMPLE: 653465

Parameter	Units	92100960001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	2.5	2.2	88	75-125	
Barium	mg/L	0.96	2.5	2.8	73	75-125	M1
Cadmium	mg/L	ND	2.5	2.0	80	75-125	
Chromium	mg/L	ND	2.5	1.9	78	75-125	
Lead	mg/L	0.17	2.5	2.1	76	75-125	
Selenium	mg/L	ND	2.5	2.3	93	75-125	
Silver	mg/L	ND	1.2	1.1	88	75-125	

SAMPLE DUPLICATE: 653466

Parameter	Units	92100960002 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/L	ND	ND		
Barium	mg/L	1.2	1.2	2	
Cadmium	mg/L	ND	ND		
Chromium	mg/L	ND	.0031J		
Lead	mg/L	0.17	0.18	5	

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QUALITY CONTROL DATA

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

SAMPLE DUPLICATE: 653466

Parameter	Units	92100960002 Result	Dup Result	RPD	Qualifiers
Selenium	mg/L	ND	ND		
Silver	mg/L	ND	ND		

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QUALITY CONTROL DATA

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

QC Batch: MERP/3711 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 92100960001, 92100960002

METHOD BLANK: 653565 — Matrix: Water
Associated Lab Samples: 92100960001, 92100960002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	08/29/11 15:57	

LABORATORY CONTROL SAMPLE: 653566

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.0	81	80-120	

MATRIX SPIKE SAMPLE: 653567

Parameter	Units	92100735026 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.0	79	75-125	

SAMPLE DUPLICATE: 653568

Parameter	Units	92100828001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

QC Batch: MERP/3705 — Analysis Method: EPA 7471
QC Batch Method: EPA 7471 — Analysis Description: 7471 Mercury
Associated Lab Samples: 92100960001, 92100960002

METHOD BLANK: 651874 — Matrix: Solid
Associated Lab Samples: 92100960001, 92100960002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	08/24/11 15:38	

LABORATORY CONTROL SAMPLE: 651875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.059	89	80-120	

MATRIX SPIKE SAMPLE: 651876

Parameter	Units	92100960001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.038	.08	0.088	63	75-125	M1

SAMPLE DUPLICATE: 651877

Parameter	Units	92100960002 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.039	0.038	3	

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QUALITY CONTROL DATA

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

QC Batch: PMST/4148
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92100960001, 92100960002

SAMPLE DUPLICATE: 651795

Parameter	Units	92100400010 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	3.1	5.9	62	R1

SAMPLE DUPLICATE: 651796

Parameter	Units	92100947002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	13.9	13.1	6	

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QUALIFIERS

Project: CELL 6A WEST CLOSURE 08/19
Pace Project No.: 92100960

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

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September 19, 2011

Mr. David Maher
Sevee and Maher Engineers, Inc.
4 Blanchard Road
P.O. Box 85A
Cumberland Center, ME 04021

RE: Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

Dear Mr. Maher:
Enclosed are the analytical results for sample(s) received by the laboratory on August 30, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton

Lorri Patton

lorri.patton@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

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South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

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North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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SAMPLE ANALYTE COUNT

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92101335001	**SS015X00F**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C
92101335002	**SSDP2X012**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C
92101335003	**SS016X00G**	EPA 8081	BAG	9	PASI-O
		EPA 8151	LJM	3	PASI-O
		EPA 6010	SHB	7	PASI-A
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 7471	JMW	1	PASI-A
		ASTM D2974-87	TNM	1	PASI-C

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ANALYTICAL RESULTS

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

Sample: SS015X00F **Lab ID: 92101335001** Collected: 08/30/11 07:50 Received: 08/30/11 11:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 16:37	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	09/08/11 15:03	09/08/11 16:37	57-74-9	
Endrin	**0.0011**	mg/L	0.0010	1	09/08/11 15:03	09/08/11 16:37	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 16:37	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 16:37	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 16:37	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	09/08/11 15:03	09/08/11 16:37	8001-35-2	
Decachlorobiphenyl (S)	108	%	70-130	1	09/08/11 15:03	09/08/11 16:37	2051-24-3	
Tetrachloro-m-xylene (S)	85	%	70-130	1	09/08/11 15:03	09/08/11 16:37	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	09/07/11 08:00	09/16/11 14:07	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	09/07/11 08:00	09/16/11 14:07	93-72-1	
2,4-DCPA (S)	109	%	70-130	1	09/07/11 08:00	09/16/11 14:07	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**34.3**	mg/kg	0.56	1	08/31/11 14:55	09/01/11 11:26	7440-38-2	
Barium	**305**	mg/kg	0.56	1	08/31/11 14:55	09/01/11 11:26	7440-39-3	
Cadmium	**3.4**	mg/kg	0.11	1	08/31/11 14:55	09/01/11 11:26	7440-43-9	
Chromium	**61.8**	mg/kg	0.56	1	08/31/11 14:55	09/01/11 11:26	7440-47-3	
Lead	**120**	mg/kg	0.56	1	08/31/11 14:55	09/01/11 11:26	7439-92-1	
Selenium	**2.0**	mg/kg	1.1	1	08/31/11 14:55	09/01/11 11:26	7782-49-2	
Silver	ND	mg/kg	0.56	1	08/31/11 14:55	09/01/11 11:26	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/01/11 16:00							
Arsenic	ND	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:06	7440-38-2	
Barium	**1.3**	mg/L	0.50	1	09/02/11 10:05	09/02/11 20:06	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	09/02/11 10:05	09/02/11 20:06	7440-43-9	
Chromium	ND	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:06	7440-47-3	
Lead	**0.049**	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:06	7439-92-1	
Selenium	ND	mg/L	0.10	1	09/02/11 10:05	09/02/11 20:06	7782-49-2	
Silver	ND	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:06	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 09/01/11 16:00							
Mercury	ND	ug/L	0.20	1	09/06/11 12:45	09/06/11 16:20	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.031**	mg/kg	0.0047	1	08/31/11 11:15	08/31/11 13:20	7439-97-6	M1
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.7**	%	0.10	1		09/01/11 08:27		

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ANALYTICAL RESULTS

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

Sample: SSDP2X012 **Lab ID: 92101335002** Collected: 08/30/11 00:00 Received: 08/30/11 11:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 16:58	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	09/08/11 15:03	09/08/11 16:58	57-74-9	
Endrin	**0.0011**	mg/L	0.0010	1	09/08/11 15:03	09/08/11 16:58	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 16:58	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 16:58	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 16:58	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	09/08/11 15:03	09/08/11 16:58	8001-35-2	
Decachlorobiphenyl (S)	107	%	70-130	1	09/08/11 15:03	09/08/11 16:58	2051-24-3	
Tetrachloro-m-xylene (S)	80	%	70-130	1	09/08/11 15:03	09/08/11 16:58	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	09/07/11 08:00	09/16/11 15:15	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	09/07/11 08:00	09/16/11 15:15	93-72-1	
2,4-DCPA (S)	110	%	70-130	1	09/07/11 08:00	09/16/11 15:15	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**33.4**	mg/kg	0.58	1	08/31/11 14:55	09/01/11 05:26	7440-38-2	
Barium	**307**	mg/kg	0.58	1	08/31/11 14:55	09/01/11 05:26	7440-39-3	
Cadmium	**3.4**	mg/kg	0.12	1	08/31/11 14:55	09/01/11 05:26	7440-43-9	
Chromium	**64.4**	mg/kg	0.58	1	08/31/11 14:55	09/01/11 05:26	7440-47-3	
Lead	**119**	mg/kg	0.58	1	08/31/11 14:55	09/01/11 05:26	7439-92-1	
Selenium	**2.0**	mg/kg	1.2	1	08/31/11 14:55	09/01/11 05:26	7782-49-2	
Silver	ND	mg/kg	0.58	1	08/31/11 14:55	09/01/11 05:26	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/01/11 16:00							
Arsenic	ND	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:10	7440-38-2	
Barium	**1.4**	mg/L	0.50	1	09/02/11 10:05	09/02/11 20:10	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	09/02/11 10:05	09/02/11 20:10	7440-43-9	
Chromium	ND	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:10	7440-47-3	
Lead	**0.045**	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:10	7439-92-1	
Selenium	ND	mg/L	0.10	1	09/02/11 10:05	09/02/11 20:10	7782-49-2	
Silver	ND	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:10	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 09/01/11 16:00							
Mercury	ND	ug/L	0.20	1	09/06/11 12:45	09/06/11 16:22	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.033**	mg/kg	0.0055	1	08/31/11 11:15	08/31/11 13:25	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.7**	%	0.10	1		09/01/11 08:28		

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ANALYTICAL RESULTS

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

Sample: SS016X00G **Lab ID: 92101335003** Collected: 08/30/11 08:15 Received: 08/30/11 11:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides, TCLP	Analytical Method: EPA 8081							
gamma-BHC (Lindane)	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 17:19	58-89-9	
Chlordane (Technical)	ND	mg/L	0.0050	1	09/08/11 15:03	09/08/11 17:19	57-74-9	
Endrin	**0.0014**	mg/L	0.0010	1	09/08/11 15:03	09/08/11 17:19	72-20-8	
Heptachlor	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 17:19	76-44-8	
Heptachlor epoxide	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 17:19	1024-57-3	
Methoxychlor	ND	mg/L	0.0010	1	09/08/11 15:03	09/08/11 17:19	72-43-5	
Toxaphene	ND	mg/L	0.0050	1	09/08/11 15:03	09/08/11 17:19	8001-35-2	
Decachlorobiphenyl (S)	105	%	70-130	1	09/08/11 15:03	09/08/11 17:19	2051-24-3	
Tetrachloro-m-xylene (S)	82	%	70-130	1	09/08/11 15:03	09/08/11 17:19	877-09-8	
8151 Chlorinate Herbicide TCLP	Analytical Method: EPA 8151							
2,4-D	ND	mg/L	0.010	1	09/07/11 08:00	09/16/11 15:50	94-75-7	
2,4,5-TP (Silvex)	ND	mg/L	0.010	1	09/07/11 08:00	09/16/11 15:50	93-72-1	
2,4-DCPA (S)	93	%	70-130	1	09/07/11 08:00	09/16/11 15:50	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**53.0**	mg/kg	0.60	1	08/31/11 14:55	09/01/11 05:32	7440-38-2	
Barium	**299**	mg/kg	0.60	1	08/31/11 14:55	09/01/11 05:32	7440-39-3	
Cadmium	**2.4**	mg/kg	0.12	1	08/31/11 14:55	09/01/11 05:32	7440-43-9	
Chromium	**60.5**	mg/kg	0.60	1	08/31/11 14:55	09/01/11 05:32	7440-47-3	
Lead	**173**	mg/kg	0.60	1	08/31/11 14:55	09/01/11 05:32	7439-92-1	
Selenium	**2.1**	mg/kg	1.2	1	08/31/11 14:55	09/01/11 05:32	7782-49-2	
Silver	ND	mg/kg	0.60	1	08/31/11 14:55	09/01/11 05:32	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/01/11 16:00							
Arsenic	ND	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:13	7440-38-2	
Barium	**1.4**	mg/L	0.50	1	09/02/11 10:05	09/02/11 20:13	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	09/02/11 10:05	09/02/11 20:13	7440-43-9	
Chromium	ND	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:13	7440-47-3	
Lead	**0.064**	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:13	7439-92-1	
Selenium	ND	mg/L	0.10	1	09/02/11 10:05	09/02/11 20:13	7782-49-2	
Silver	ND	mg/L	0.025	1	09/02/11 10:05	09/02/11 20:13	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
	Leachate Method/Date: EPA 1311; 09/01/11 16:00							
Mercury	ND	ug/L	0.20	1	09/06/11 12:45	09/06/11 16:25	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.034**	mg/kg	0.0055	1	08/31/11 11:15	08/31/11 13:31	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**20.1**	%	0.10	1		09/01/11 08:28		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

QC Batch: GCSV/5613 — Analysis Method: EPA 8081
QC Batch Method: EPA 8081 — Analysis Description: 8081 GCS TCLP Pesticides
Associated Lab Samples: 92101335001, 92101335002, 92101335003

METHOD BLANK: 249680 — Matrix: Water
Associated Lab Samples: 92101335001, 92101335002, 92101335003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlordane (Technical)	mg/L	ND	0.0050	09/08/11 15:14	
Endrin	mg/L	ND	0.0010	09/08/11 15:14	
gamma-BHC (Lindane)	mg/L	ND	0.0010	09/08/11 15:14	
Heptachlor	mg/L	ND	0.0010	09/08/11 15:14	
Heptachlor epoxide	mg/L	ND	0.0010	09/08/11 15:14	
Methoxychlor	mg/L	ND	0.0010	09/08/11 15:14	
Toxaphene	mg/L	ND	0.0050	09/08/11 15:14	
Decachlorobiphenyl (S)	%	110	70-130	09/08/11 15:14	
Tetrachloro-m-xylene (S)	%	85	70-130	09/08/11 15:14	

LABORATORY CONTROL SAMPLE: 249681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	mg/L	.005	0.0046	91	70-130	
gamma-BHC (Lindane)	mg/L	.005	0.0041	83	70-130	
Heptachlor	mg/L	.005	0.0042	84	70-130	
Heptachlor epoxide	mg/L	.005	0.0042	85	70-130	
Methoxychlor	mg/L	.005	0.0053	105	70-130	
Decachlorobiphenyl (S)	%			110	70-130	
Tetrachloro-m-xylene (S)	%			87	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 250190 250191

Parameter	Units	92101335003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Endrin	mg/L				0.0059	0.0056				6	
gamma-BHC (Lindane)	mg/L	ND	.005	.005	0.0042	0.0039	84	79	70-130	6	
Heptachlor	mg/L	ND	.005	.005	0.0042	0.0039	85	79	70-130	7	
Heptachlor epoxide	mg/L	ND	.005	.005	0.0043	0.0040	86	81	70-130	6	
Methoxychlor	mg/L				0.0056	0.0053				7	
Decachlorobiphenyl (S)	%						111	108	70-130		
Tetrachloro-m-xylene (S)	%						84	78	70-130		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

QC Batch: GCSV/5592 — Analysis Method: EPA 8151
QC Batch Method: EPA 8151 — Analysis Description: 8151 GCS Herbicides TCLP
Associated Lab Samples: 92101335001, 92101335002, 92101335003

METHOD BLANK: 248823 — Matrix: Water
Associated Lab Samples: 92101335001, 92101335002, 92101335003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	0.010	09/16/11 12:51	
2,4-D	mg/L	ND	0.010	09/16/11 12:51	
2,4-DCPA (S)	%	102	70-130	09/16/11 12:51	

LABORATORY CONTROL SAMPLE: 248824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	.012	0.013	108	70-130	
2,4-D	mg/L	.06	0.067	111	70-130	
2,4-DCPA (S)	%			94	70-130	

MATRIX SPIKE SAMPLE: 248993

Parameter	Units	92101335001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	mg/L	ND	.012	0.012	97	70-130	
2,4-D	mg/L	ND	.06	0.060	100	70-130	
2,4-DCPA (S)	%				124	70-130	

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

QC Batch: MPRP/9000 — Analysis Method: EPA 6010
QC Batch Method: EPA 3050 — Analysis Description: 6010 MET
Associated Lab Samples: 92101335001, 92101335002, 92101335003

METHOD BLANK: 654607 — Matrix: Solid
Associated Lab Samples: 92101335001, 92101335002, 92101335003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	09/01/11 04:38	
Barium	mg/kg	ND	0.50	09/01/11 04:38	
Cadmium	mg/kg	ND	0.10	09/01/11 04:38	
Chromium	mg/kg	ND	0.50	09/01/11 04:38	
Lead	mg/kg	ND	0.50	09/01/11 04:38	
Selenium	mg/kg	ND	1.0	09/01/11 04:38	
Silver	mg/kg	ND	0.50	09/01/11 04:38	

LABORATORY CONTROL SAMPLE: 654608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	50.7	101	80-120	
Barium	mg/kg	50	50.3	101	80-120	
Cadmium	mg/kg	50	51.8	104	80-120	
Chromium	mg/kg	50	51.9	104	80-120	
Lead	mg/kg	50	51.5	103	80-120	
Selenium	mg/kg	50	51.1	102	80-120	
Silver	mg/kg	25	26.6	106	80-120	

MATRIX SPIKE SAMPLE: 654609

Parameter	Units	92100939001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg		30.5	30.0	98	75-125	
Barium	mg/kg		30.5	45.5	17	75-125	M1
Cadmium	mg/kg		30.5	29.4	94	75-125	
Chromium	mg/kg		30.5	78.8	249	75-125	M1
Lead	mg/kg	23.3	30.5	34.2	36	75-125	M1
Selenium	mg/kg		30.5	31.7	104	75-125	
Silver	mg/kg		15.2	16.4	107	75-125	

SAMPLE DUPLICATE: 654610

Parameter	Units	92101289001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	258	325	23	D6
Barium	mg/kg	233	127	59	D6
Cadmium	mg/kg	ND	ND		
Chromium	mg/kg	2.3	2.3	1	
Lead	mg/kg	67.7	75.6	11	

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

SAMPLE DUPLICATE: 654610

Parameter	Units	92101289001 Result	Dup Result	RPD	Qualifiers
Selenium	mg/kg	ND	ND		
Silver	mg/kg	ND	ND		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

QC Batch: MPRP/9006 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET TCLP
Associated Lab Samples: 92101335001, 92101335002, 92101335003

METHOD BLANK: 655586 — Matrix: Water
Associated Lab Samples: 92101335001, 92101335002, 92101335003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.025	09/02/11 19:21	
Barium	mg/L	ND	0.50	09/02/11 19:21	
Cadmium	mg/L	ND	0.0050	09/02/11 19:21	
Chromium	mg/L	ND	0.025	09/02/11 19:21	
Lead	mg/L	ND	0.025	09/02/11 19:21	
Selenium	mg/L	ND	0.10	09/02/11 19:21	
Silver	mg/L	ND	0.025	09/02/11 19:21	

LABORATORY CONTROL SAMPLE: 655587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.7	109	80-120	
Barium	mg/L	2.5	2.6	104	80-120	
Cadmium	mg/L	2.5	2.5	98	80-120	
Chromium	mg/L	2.5	2.4	97	80-120	
Lead	mg/L	2.5	2.4	94	80-120	
Selenium	mg/L	2.5	2.8	112	80-120	
Silver	mg/L	1.2	1.3	106	80-120	

MATRIX SPIKE SAMPLE: 655588

Parameter	Units	92101252001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	2.5	2.8	110	75-125	
Barium	mg/L	186J ug/L	2.5	2.6	97	75-125	
Cadmium	mg/L	2.59J ug/L	2.5	2.5	99	75-125	
Chromium	mg/L	3.25J ug/L	2.5	2.5	98	75-125	
Lead	mg/L	ND	2.5	2.4	95	75-125	
Selenium	mg/L	26.6J ug/L	2.5	2.8	110	75-125	
Silver	mg/L	ND	1.2	1.3	107	75-125	

SAMPLE DUPLICATE: 655589

Parameter	Units	92101253001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/L	ND	ND		
Barium	mg/L	146J ug/L	.15J		
Cadmium	mg/L	ND	ND		
Chromium	mg/L	7.00J ug/L	.0041J		
Lead	mg/L	ND	ND		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

SAMPLE DUPLICATE: 655589

Parameter	Units	92101253001 Result	Dup Result	RPD	Qualifiers
Selenium	mg/L	21.0J ug/L	ND		
Silver	mg/L	0.725J ug/L	ND		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

QC Batch: MERP/3717 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 92101335001, 92101335002, 92101335003

METHOD BLANK: 656203 Matrix: Water
Associated Lab Samples: 92101335001, 92101335002, 92101335003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	09/06/11 15:28	

LABORATORY CONTROL SAMPLE: 656204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	95	80-120	

MATRIX SPIKE SAMPLE: 656205

Parameter	Units	92101252001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.5	98	75-125	

SAMPLE DUPLICATE: 656206

Parameter	Units	92101253001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

QC Batch: MERP/3715 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92101335001, 92101335002, 92101335003

METHOD BLANK: 654384 Matrix: Solid
Associated Lab Samples: 92101335001, 92101335002, 92101335003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	08/31/11 13:15	

LABORATORY CONTROL SAMPLE: 654385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.057	85	80-120	

MATRIX SPIKE SAMPLE: 654386

Parameter	Units	92101335001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.031	.074	0.075	60	75-125	M1

SAMPLE DUPLICATE: 654387

Parameter	Units	92101335002 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.033	0.033	1	

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QUALITY CONTROL DATA

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

QC Batch: PMST/4161 — Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 — Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92101335001, 92101335002, 92101335003

SAMPLE DUPLICATE: 654855

Parameter	Units	92101450014 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	16.1	16.1	0	

SAMPLE DUPLICATE: 654856

Parameter	Units	92101481012 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	20.6	20.0	3	

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QUALIFIERS

Project: 6A WEST CLOSURE 08/30
Pace Project No.: 92101335

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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ATTACHMENT 6

PHOTOGRAPHS

Evergreen Landfill No. 6 - Area A-West Closure
Construction Documentation - Summer 2011

Grading waste on west sideslope

Spreading stone along south sideslope.

Stone and off-site soil on crown - working west to east.

Wet off-site soil on crown.

Grading ditch along west slope.

Spreading off-site soil on west sideslope.

Excavating tie-in along Area A-East.

Stone placement over off-site soil on south slope.

Regrading off-site soil.

Regrading off-site soil.

Screening cover soil.

Sideslope cover - waste, stone, off-site soil, stone, cover soil and vegetative soil.

Compacting cover soil on north slope.

Spreading cover soil on west slope.

Removing access road at southwest corner.

Cover soil and ditch graded along southwest corner.

Spraying straw mulch on south slope.

Hydroseeding south slope.

Spraying tack over mulch on south slope.

Installing turf reinforcement matting in north ditch.

Excavating for stormdrain pipe.

Installing stormdrain pipe.

Stormdrain pipe grouted at manhole.

Pouring concrete headwall.

Concrete headwall and inlet apron.

Concrete apron with berm.

Spreading cover soil on crown.

Spraying straw mulch on crown.

Spreading cover soil at Area A-East tie-in.

Access road - last of waste to be removed

North ditch and slope with stone check dams.

Stone check dam and edge of waste (EOW) marker.

North slope seeded and mulched.

Crown seeded and mulched.

Grass growing on crown.

Stone check dams in south ditch.

ATTACHMENT 7

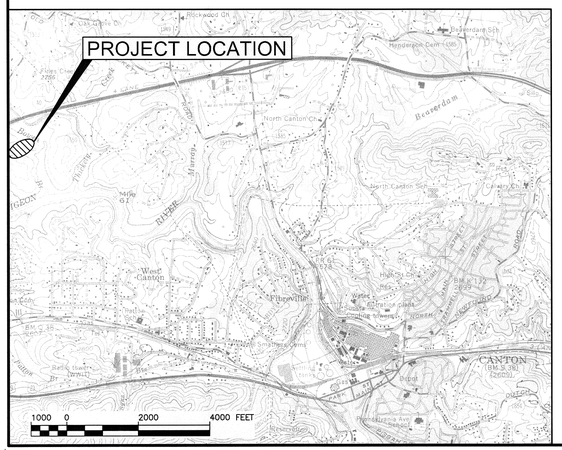
RECORD DRAWINGS

EVERGREEN PACKAGING
CANTON, NORTH CAROLINA
LANDFILL NO. 6
AREA A WEST CLOSURE AMENDMENT

RECORD DRAWINGS

TITLE	DRAWING NUMBER
COVER SHEET	
SYMBOLS, ABBREVIATIONS AND SPECIFICATIONS	C-100
SITE LOCATION PLAN	C-101
EXISTING CONDITIONS PLAN	C-102
AREA A WEST FINAL WASTE GRADING PLAN	C-103
AREA A WEST FINAL GRADING PLAN	C-104
SECTIONS & DETAILS	C-300

LOCATION MAP



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NOVEMBER 2011
JOB NO. 11106

SYMBOLS

EXISTING	PROPOSED		EXISTING	PROPOSED		EXISTING	PROPOSED	
		NORTH ARROW (MAGNETIC)			STONE WALL			MANHOLE
		NORTH ARROW (PLAN NORTH)			DRAINAGE COURSE (WITH DIRECTION)			CATCH BASIN
25	25	CONTOUR LINES	SHORE SIDE		EDGE OF WATER			WATER VALVE
25 x 63	25.56	SPOT ELEVATION (GRADE)			WATER ELEVATION (GROUND OR SURFACE)			HYDRANT
		EXISTING GROUND			FENCE LINE (WOOD)			UTILITY POLE
		SURVEY BASELINE WITH TRIANGULATION OR INTERSECTION PT.			FENCE LINE (WIRE)			CLEAN OUT STRUCTURE
		PROPERTY LINE OR R.O.W.			RETAINING WALL	G	G	UNDERGROUND GAS MAIN
N35°-10'-10"W 251.17'	N35°-10'-10"W 251.17'	PROPERTY LINE W/ BEARING AND DISTANCE		T T T	GUARD RAIL	T	T	UNDERGROUND TELEPHONE LINE
	0+00 1+00	CONSTRUCTION BASELINE			BUILDING AND STRUCTURES	E	E	UNDERGROUND ELECTRICAL LINE
		BOUNDARY LINE (State, County, Municipality)		2 1 OR 2:1	SLOPE RATIO (HORIZONTAL TO VERTICAL)	OE	OE	OVERHEAD ELECTRICAL LINE
		SURVEY MONUMENT		TOP OF SLOPE 2:1	SLOPES (WITH SLOPE RATIO)		12" ACP	SANITARY SEWER, SIZE & TYPE
IF	IF	SURVEY IRON			EDGE OF TRAVELED WAY	FM	8" PVC	FORCE MAIN, SIZE & TYPE
		DRILL HOLE, PK, OR STAKE		F	CUT OR FILL LINE	W	8" D.I.	WATER MAIN, SIZE & TYPE
		WOODS OR BRUSH LINE		CLL	CLEARING LIMIT LINE		12" RCP	STORM DRAIN, SIZE & TYPE
		INDIVIDUAL TREE (Deciduous)			BITUMINOUS PAVEMENT	UD	8" UD	UNDERDRAIN , SIZE & TYPE
		INDIVIDUAL TREE (Coniferous)			CONCRETE			CULVERT
		TREE, TO BE REMOVED	B-12 MW-12 P-12	B-12 MW-12 P-12	TEST BORING, MONITORING WELL, OR PIEZOMETER AND NUMBER			RAILROAD
		MARSH AREA	TP-12	TP-12	TEST PIT AND NUMBER		S	SILTATION FENCE
							D	DIVERSION BERM
								STONE CHECK DAM

A.C.C.M.P	ASPHALT COATED C.M.P.	D	DEGREE OF CURVE (ARC DEF.)	HDPE	HIGH DENSITY POLYETHYLENE	P.C.	POINT ON CURVE
A.C.P.	ASBESTOS CEMENT PIPE	DBL	DOUBLE	HP	HORSEPOWER	P.I.	POINT OF INTERSECTION
AC	ACRE	DEG OR °	DEGREE	HYD	HYDRANT	P.T.	POINT OF TANGENT
AGG	AGGREGATE	DEPT	DEPARTMENT			PERF	PERFORATED
ALUM	ALUMINUM	DI	DUCTILE IRON	I.D.	INSIDE DIAMETER	PSI	POUNDS PER SQUARE INCH
APPD	APPROVED	DIA OR ø	DIAMETER	IN OR "	INCHES	PVC	POLYVINYL CHLORIDE
APPROX	APPROXIMATE	DIM	DIMENSION	INV	INVERT	PVMT	PAVEMENT
ASB	ASBESTOS	DIST	DISTANCE	INV. EL	INVERT ELEVATION		
ASPH	ASPHALT	DN	DOWN			QTY	QUANTITY
AUTO	AUTOMATIC	DR	DRAIN	LB	POUND		
AUX	AUXILIARY	DWG	DRAWING	LC	LEACHATE COLLECTION	R.O.W.	RIGHT OF WAY
AVE	AVENUE			LD	LEAK DETECTION	RAD	RADIUS
AZ	AZIMUTH	EA	EACH	LIN FT.	LINEAR FEET	REQD	REQUIRED
		EG	EXISTING GROUND OR GRADE	LOC	LOCATION	RT	RIGHT
B.C.C.M.P.	BITUMINOUS COATED C.M.P.	ELEC	ELECTRIC	LT	LEFT	RTE	ROUTE
B.M.	BENCH MARK	EL	ELEVATION				
BIT	BITUMINOUS	ELB	ELBOW	M.H.	MANHOLE	S	SLOPE
BLDG	BUILDING	EQUIP	EQUIPMENT	M.J.	MECHANICAL JOINT	SCH	SCHEDULE
BOT	BOTTOM	EST	ESTIMATED	MATL	MATERIAL	SF	SQUARE FEET
BRG	BEARING	EXC	EXCAVATE	MAX	MAXIMUM	SD	STORM DRAIN
		EXIST	EXISTING	MFR	MANUFACTURE	SDR	STANDARD DIMENSION RATIO
C.B.	CATCH BASIN			MIN	MINIMUM	SHT	SHEET
CEN	CENTER	F.G.	FINISH GRADE	MISC	MISCELLANEOUS	STA	STATION
CEM. LIN.	CEMENT LINED	FBRGL	FIBERGLASS	MON	MONUMENT	SY	SQUARE YARD
C.M.P.	CORRUGATED METAL PIPE	FDN	FOUNDATION				
C.O.	CLEAN OUT	FLEX	FLEXIBLE	N.I.T.C.	NOT IN THIS CONTRACT	TAN	TANGENT
CF	CUBIC FEET	FLG	FLANGE	N.T.S.	NOT TO SCALE	TDH	TOTAL DYNAMIC HEAD
CFS	CUBIC FEET PER SECOND	FLR	FLOOR	N/F	NOW OR FORMERLY	TEMP	TEMPORARY
CI	CAST IRON	FPS	FEET PER SECOND	NO. OR #	NUMBER	TYP	TYPICAL
CL	CLASS	FT OR '	FEET				
CONC	CONCRETE	FTG	FOOTING	O.C.	ON CENTER	V	VOLTS
CONST	CONSTRUCTION			O.D.	OUTSIDE DIAMETER		
CONTR	CONTRACTOR	GA	GAUGE			W/	WITH
CTR	CENTER	GAL	GALLON			W/O	WITHOUT
CY	CUBIC YARD	GALV	GALVANIZED				
		GPD	GALLONS PER DAY			YD	YARD
		GPM	GALLONS PER MINUTE				

VIEW MARKERS & IDENTIFICATION

DETAIL TITLE

MANHOLE

SECTION TITLE & NO.

ACCESS ROAD 3

C-100

DRAWING WHERE SECTION APPEARS

GENERAL NOTES:

THE CONTRACTOR MUST COMPLY WITH ALL APPLICABLE SAFETY PROCEDURES WITH RESPECT TO THE EMPLOYEES OF THE CONTRACTOR AND HIS SUBCONTRACTOR UNDER THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND REGULATIONS ISSUED THEREUNDER AND STATE LABOR (SAFETY) DEPARTMENT AND MILL RULES, PROCEDURES, AND REGULATIONS REGARDING SAFETY.

CONTOURS SHOWN ON PLANS MAY NOT REPRESENT EXISTING CONDITIONS OF THE SITE.

MATERIAL SPECIFICATIONS:

OFF-SITE BORROW – SECTION 02200 SPECIFICATION
COVER SOIL – SECTION 02200 SPECIFICATION
VEGETATIVE SOIL – SECTION 02200 SPECIFICATION
#57 STONE – NCDOT #57 AGGREGATE

COMPACTION – ALL FILL SOIL SHALL BE COMPACTED TO A DENSITY OF 90 PERCENT OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR)

24" HDPE PIPE – SOLID, CORRUGATED, ANNULAR SMOOTH INTERIOR POLYETHYLENE PIPE

SEED AND FERTILIZER:

AREAS DISTURBED BY CONSTRUCTION SHALL BE FERTILIZED AND SEEDED.

MATERIAL:

AGRICULTURAL GROUND LIMESTONE: 100 LBS PER 1,000 SF OR AS NEEDED BASED ON TESTING

FERTILIZER: GRANULAR FERTILIZER 10,10,10 (N,P,K) 25 LB/1000 SF OR AS NEEDED BASED ON TESTING

SEED:

KENTUCKY 31	105 lbs/acre
CREEPING RED FESCUE	24 lbs/acre
KENTUCKY BLUE GRASS	24 lbs/acre
SERICEA LESPEDEZA	24 lbs/acre
KOREAN LESPEDEZA	21 lbs/acre
ANNUAL RYE	21 lbs/acre
WHITE DUTCH CLOVER	6 lbs/acre
	225 lbs/acre

SEEDING WILL BE OCCUR BETWEEN MARCH 1 AND OCT 15; IF NOT, ADD 40 LB/ACRE RYE GRAIN

MULCH – THE MULCH APPLICATION RATE SHALL BE 2 TONS PER ACRE

EROSION AND SEDIMENTATION CONTROL

PROJECT DESCRIPTION

THIS PROJECT CONSIST OF PLACEMENT OF COVER SOIL MATERIAL FOR THE PURPOSE OF CLOSING EXISTING LANDFILL CELLS. THIS PLAN REVISES PREVIOUSLY FILED EROSION CONTROL PLANS. THE PLAN INVOLVES THE CONSTRUCTION OF 6A WEST COVER SYSTEM.

THE PRIMARY MEANS OF EROSION AND SEDIMENT CONTROL WILL BE:

- STONE CHECK DAMS.
- TEMPORARY AND PERMANENT SEEDING OF SLOPES.
- INSTALLING EROSION CONTROL MATTING FOR CHANNEL LINING.
- TEMPORARY MULCHING OF DISTURBED AREAS.

SITE DESCRIPTION

AREA A WEST – THIS SITE IS APPROXIMATELY 18 ACRES IN SIZE AND MODERATELY SLOPING.

ADJACENT PROPERTY

AREAS ARE LOCATED ENTIRELY WITHIN PROPERTY OWNED BY EVERGREEN PACKAGING.

RESPONSIBLE PARTIES

THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES UNTIL THE SITE IS STABILIZED (90% GRASS COVER). EVERGREEN PACKAGING WILL BE RESPONSIBLE FOR MAINTENANCE OF THESE MEASURES AFTER GRASS IS ESTABLISHED.

MAINTENANCE PLAN

1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL; IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL MEASURES AS DESIGNED.
2. ALL SEDIMENT AND EROSION CONTROL FACILITIES SHALL BE INSPECTED AND RECORDS OF INSPECTIONS KEPT AS REQUIRED BY THE NCDENR GENERAL PERMIT TO DISCHARGE STORMWATER UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM.
3. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO THE SPECIFICATIONS TO REPAIR AND MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.

SPECIFICATIONS

EROSION AND SEDIMENTATION CONTROL
EVERGREEN PACKAGING
LANDFILL 6 AREA A WEST CLOSURE AMENDMENT
HAYWOOD COUNTY, N. C.

THE CONTRACTOR IS ADVISED THAT PARTICULAR ATTENTION TO EROSION AND SEDIMENTATION CONTROL, ACCORDING TO GS 113A-54, IS AN INTEGRAL PART OF THIS WORK.

THE BASIC OBJECTIVE IN EROSION AND SEDIMENTATION CONTROL SHALL BE TO:

- IDENTIFY CRITICAL AREAS;
- LIMIT THE SIZE OF DISTURBED OR EXPOSED AREAS;
- LIMIT THE TIME OF EXPOSURE OR DURATION OF DISTURBANCE TO AN AREA;
- CONTROL SURFACE WATER RUNOFF OVER EXPOSED AREAS SO AS TO REDUCE EROSION AND SEDIMENT LOSS; AND
- TO PLAN AND CONDUCT THE WORK SO AS TO MINIMIZE EXPOSURE TO POSSIBLE EROSION AND OFF-SITE SEDIMENTATION DAMAGE.

THE CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION SHALL BE FAMILIAR WITH THE NORTH CAROLINA REGULATIONS FOR EROSION AND SEDIMENTATION CONTROL. THE MINIMUM STANDARDS SHALL BE THE GUIDE FOR SEDIMENT CONTROL ON CONSTRUCTION SITES IN NORTH CAROLINA. THESE DOCUMENTS MAY BE OBTAINED FROM THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES.

THE FINISHED GRADE IN ALL AREAS SHALL BE SEEDED AS SOON AS POSSIBLE AND IN NO CASE SHALL ANY DISTURBED AREAS REMAIN UNPROTECTED FOR MORE THAN 30 DAYS. PROTECTION SHALL BE MULCH, SEED AND MULCH.

CONSTRUCTION SEQUENCE

1. DITCHES, BERMS AND SWALES SHALL BE PROTECTED IMMEDIATELY USING EROSION CONTROL MATTING OR HAY BALES WHERE REQUIRED OR SEEDED WITH A QUICK COVER CROP SUCH AS RYE.
2. PROCEED WITH EARTHMOVING OPERATIONS, SLOPING THE AREAS TO MEET THE PROPOSED FINAL GRADES.
3. ALL GRADED OR DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS IS PRACTICAL. ALL EXPOSED AREAS MUST BE STABILIZED WITHIN 30 DAYS OF FIRST BEING DISTURBED. TEMPORARY MEASURES SHALL REMAIN AND BE MAINTAINED UNTIL FINISH GRADING, SEEDING AND MULCHING REQUIRES THEIR REMOVAL. THEY SHALL BE INSPECTED, REPAIRED OR OTHERWISE REINSTALLED AS NECESSARY AFTER EACH SIGNIFICANT RAIN.

REV.	BY	DATE	STATUS
	GHC	11/11	RECORD DRAWING
	GHC	5/25/11	ISSUED FOR BID
	GHC	4/11/11	SUBMITTED TO NCDENR

NORTH CAROLINA PROFESSIONAL SEAL 037702 ENGINEER GLYN H. COTE JR.

EVERGREEN PACKAGING
CANTON, NORTH CAROLINA
LANDFILL NO. 6
AREA A WEST CLOSURE AMENDMENT

SYMBOLS, ABBREVIATIONS AND SPECIFICATIONS

SME
Sevee & Maher Engineers, Inc.
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE
4 Blanchard Road, PO Box 85A, Cumberland Center, Maine 04021
Phone 207.829.5016 • Fax 207.829.5692 • www.smemaine.com

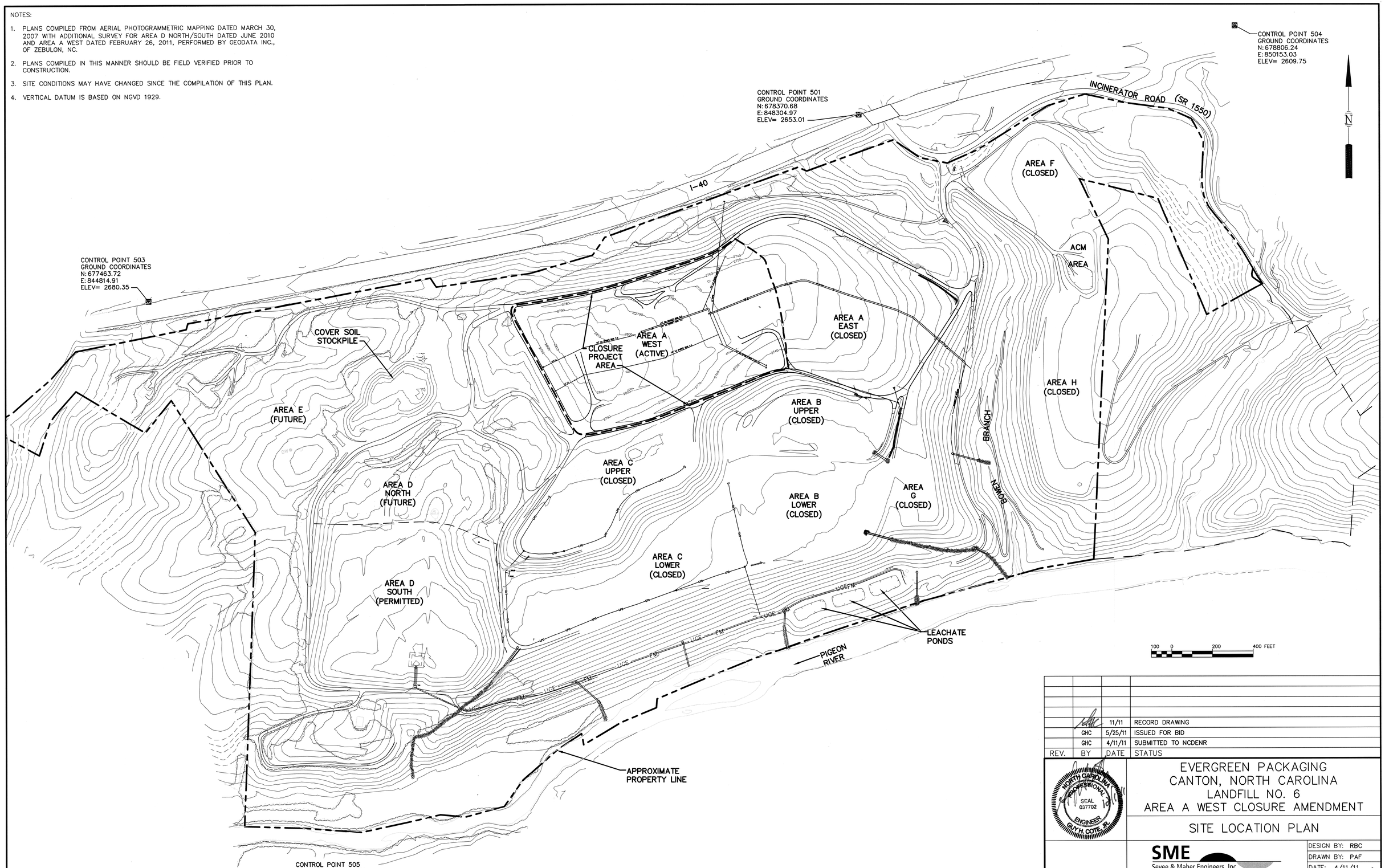
DESIGN BY: RBC
DRAWN BY: SJM
DATE: 4/11/2011
CHECKED BY:
LMN:
CTB: SME-STD

JOB NO. 11106 DWG FILE 6A-WEST-AMENDMENT-SYMSHT

C-100

NOTES:

1. PLANS COMPILED FROM AERIAL PHOTOGRAMMETRIC MAPPING DATED MARCH 30, 2007 WITH ADDITIONAL SURVEY FOR AREA D NORTH/SOUTH DATED JUNE 2010 AND AREA A WEST DATED FEBRUARY 26, 2011, PERFORMED BY GEODATA INC., OF ZEBULON, NC.
2. PLANS COMPILED IN THIS MANNER SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
3. SITE CONDITIONS MAY HAVE CHANGED SINCE THE COMPILATION OF THIS PLAN.
4. VERTICAL DATUM IS BASED ON NGVD 1929.



REV.	BY	DATE	STATUS
	RBC	11/11	RECORD DRAWING
	GHC	5/25/11	ISSUED FOR BID
	GHC	4/11/11	SUBMITTED TO NCDENR

NORTH CAROLINA PROFESSIONAL SEAL 037702 ENGINEER G.Y.H. COTE, JR.

EVERGREEN PACKAGING
CANTON, NORTH CAROLINA
LANDFILL NO. 6
AREA A WEST CLOSURE AMENDMENT

SITE LOCATION PLAN

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DESIGN BY: RBC
DRAWN BY: PAF
DATE: 4/11/11
CHECKED BY: GHC
LMN: SITELOC
CTB: SME-STD

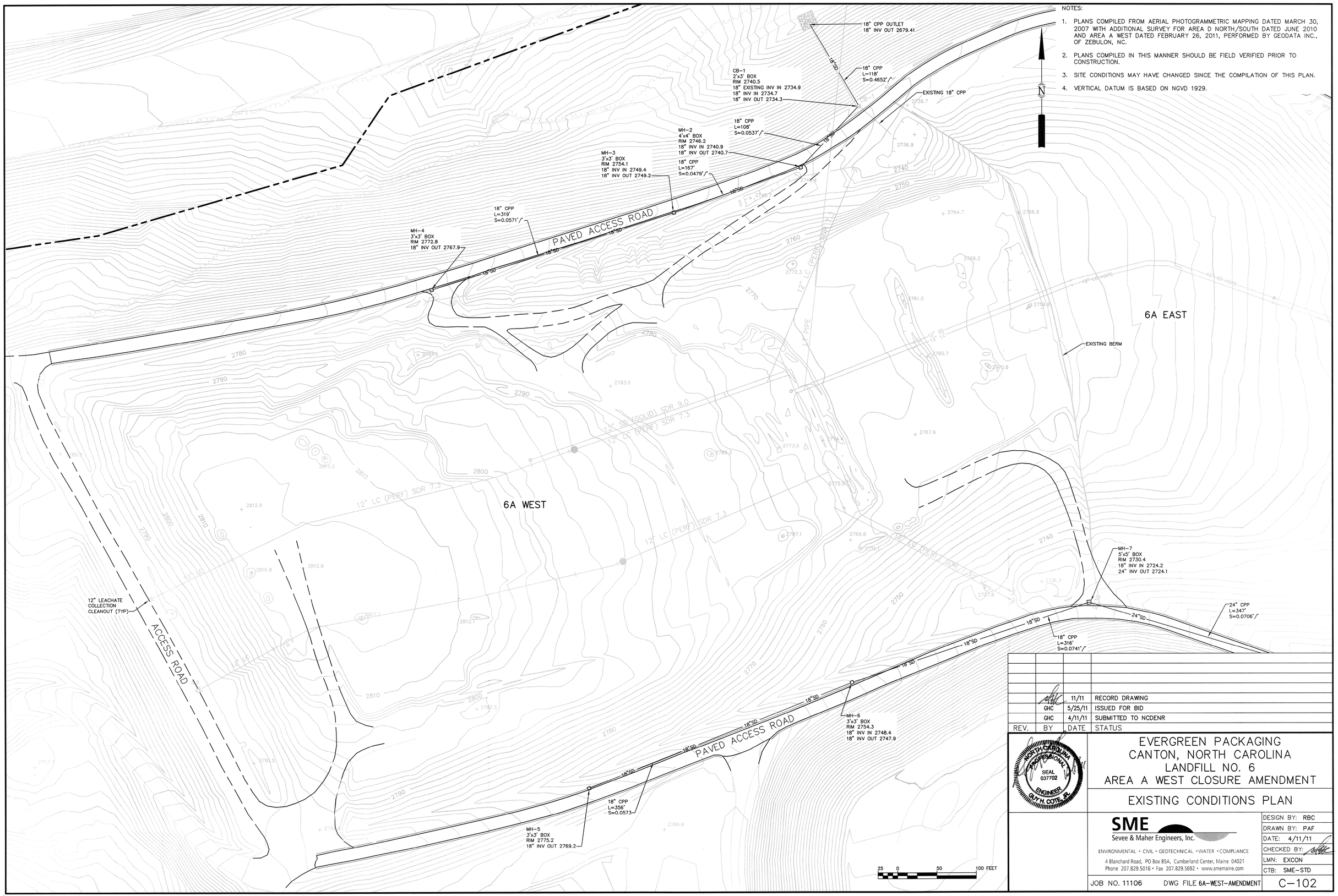
JOB NO. 11106 DWG FILE 6A-WEST-AMENDMENT

C-101

\\server06\Projects\Cote-west Amendment\Acad\Dwgs\Panels\6A-WEST-AMENDMENT | Wed, 11/30/2011 9:29:15 AM, rjm

NOTES:

1. PLANS COMPILED FROM AERIAL PHOTOGRAMMETRIC MAPPING DATED MARCH 30, 2007 WITH ADDITIONAL SURVEY FOR AREA D NORTH/SOUTH DATED JUNE 2010 AND AREA A WEST DATED FEBRUARY 26, 2011, PERFORMED BY GEODATA INC., OF ZEBULON, NC.
2. PLANS COMPILED IN THIS MANNER SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
3. SITE CONDITIONS MAY HAVE CHANGED SINCE THE COMPILATION OF THIS PLAN.
4. VERTICAL DATUM IS BASED ON NGVD 1929.



REV.	BY	DATE	STATUS
		11/11	RECORD DRAWING
	GHC	5/25/11	ISSUED FOR BID
	GHC	4/11/11	SUBMITTED TO NCDENR

NORTH CAROLINA PROFESSIONAL SEAL 037702 ENGINEER GUY H. COTE, JR.

EVERGREEN PACKAGING
CANTON, NORTH CAROLINA
LANDFILL NO. 6
AREA A WEST CLOSURE AMENDMENT

EXISTING CONDITIONS PLAN

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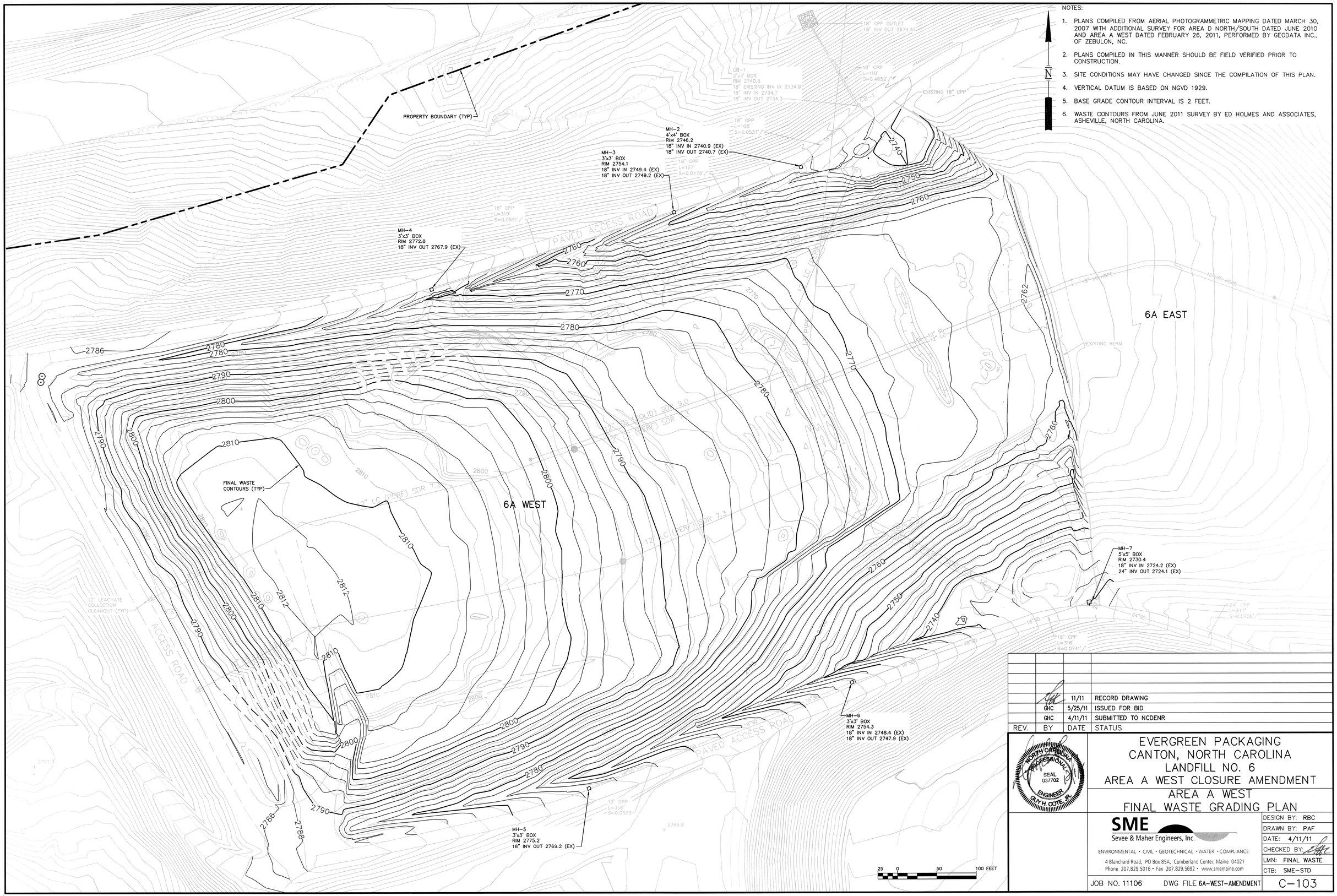
DESIGN BY: RBC
DRAWN BY: PAF
DATE: 4/11/11
CHECKED BY:
LMN: EXCON
CTB: SME-STD

JOB NO. 11106 DWG FILE 6A-WEST-AMENDMENT C-102

NOTES:

1. PLANS COMPILED FROM AERIAL PHOTOGRAMMETRIC MAPPING DATED MARCH 30, 2007 WITH ADDITIONAL SURVEY FOR AREA D NORTH/SOUTH DATED JUNE 2010 AND AREA A WEST DATED FEBRUARY 26, 2011, PERFORMED BY GEODATA INC., OF ZEBULON, NC.
2. PLANS COMPILED IN THIS MANNER SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
3. SITE CONDITIONS MAY HAVE CHANGED SINCE THE COMPILATION OF THIS PLAN.
4. VERTICAL DATUM IS BASED ON NGVD 1929.
5. BASE GRADE CONTOUR INTERVAL IS 2 FEET.
6. WASTE CONTOURS FROM JUNE 2011 SURVEY BY ED HOLMES AND ASSOCIATES, ASHEVILLE, NORTH CAROLINA.



REV.	BY	DATE	STATUS
	GHC	11/11	RECORD DRAWING
	GHC	5/25/11	ISSUED FOR BID
	GHC	4/11/11	SUBMITTED TO NCDENR

NORTH CAROLINA PROFESSIONAL SEAL 037702 ENGINEER GUY H. COTE, JR.

EVERGREEN PACKAGING
CANTON, NORTH CAROLINA
LANDFILL NO. 6
AREA A WEST CLOSURE AMENDMENT
AREA A WEST
FINAL WASTE GRADING PLAN

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LMN: FINAL WASTE
CTB: SME-STD

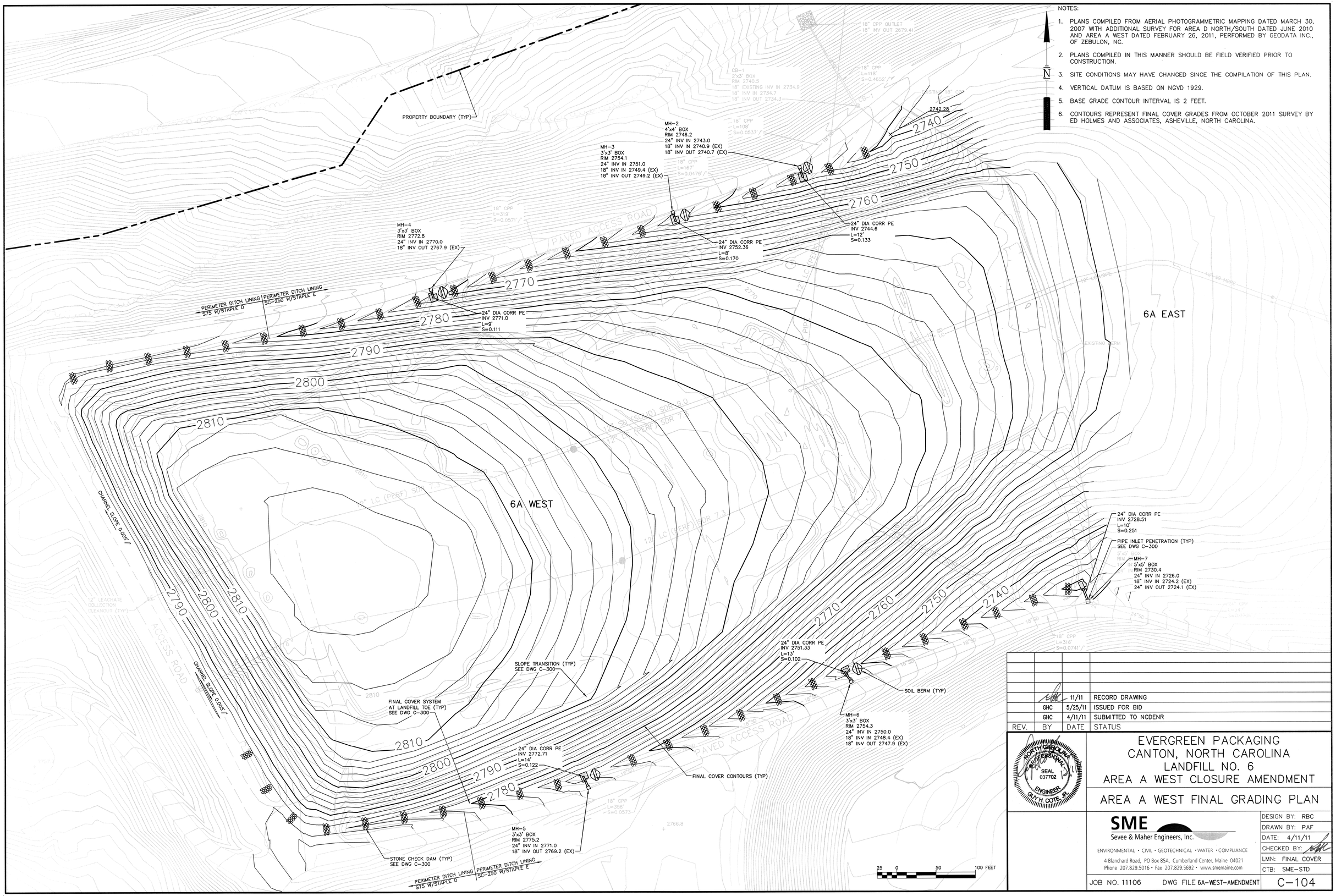
JOB NO. 11106 DWG FILE 6A-WEST-AMENDMENT

C-103

\\smemaine\data\projects\Clients-wasp-fm-environment-health\Sullivan\Canton\Landfill 6\AREA A WEST - AMENDMENT.dwg, 11/30/2011 11:23:40 PM, sjm

NOTES:

1. PLANS COMPILED FROM AERIAL PHOTOGRAMMETRIC MAPPING DATED MARCH 30, 2007 WITH ADDITIONAL SURVEY FOR AREA D NORTH/SOUTH DATED JUNE 2010 AND AREA A WEST DATED FEBRUARY 26, 2011, PERFORMED BY GEODATA INC., OF ZEBULON, NC.
2. PLANS COMPILED IN THIS MANNER SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
3. SITE CONDITIONS MAY HAVE CHANGED SINCE THE COMPILATION OF THIS PLAN.
4. VERTICAL DATUM IS BASED ON NGVD 1929.
5. BASE GRADE CONTOUR INTERVAL IS 2 FEET.
6. CONTOURS REPRESENT FINAL COVER GRADES FROM OCTOBER 2011 SURVEY BY ED HOLMES AND ASSOCIATES, ASHEVILLE, NORTH CAROLINA.



REV.	BY	DATE	STATUS
		11/11	RECORD DRAWING
	GHC	5/25/11	ISSUED FOR BID
	GHC	4/11/11	SUBMITTED TO NCDENR

NORTH CAROLINA PROFESSIONAL SEAL 037702 ENGINEER GUY H. COTE, JR.

EVERGREEN PACKAGING
CANTON, NORTH CAROLINA
LANDFILL NO. 6
AREA A WEST CLOSURE AMENDMENT

AREA A WEST FINAL GRADING PLAN

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DESIGN BY: RBC
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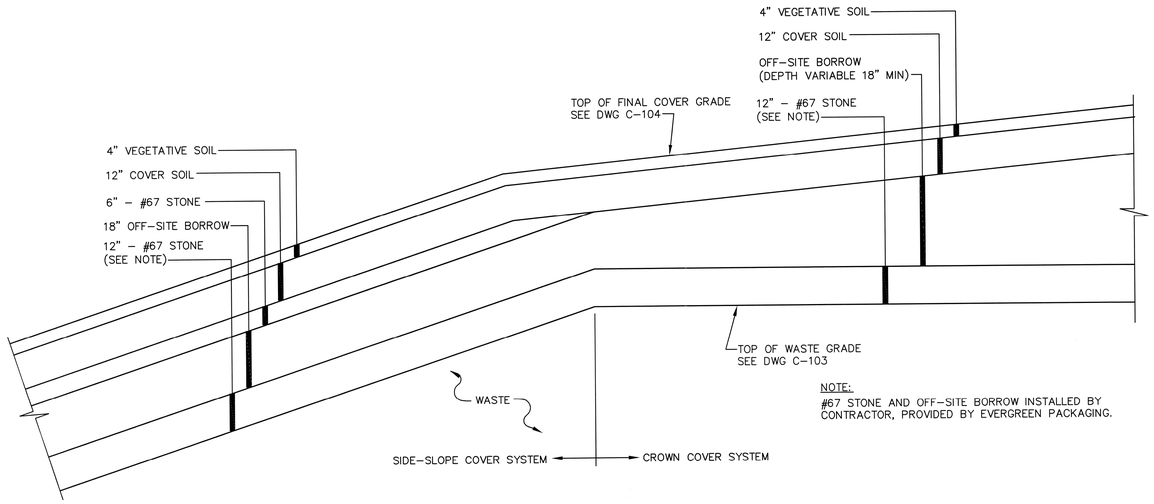
DATE: 4/11/11
CHECKED BY:
LMN: FINAL COVER
CTB: SME-STD

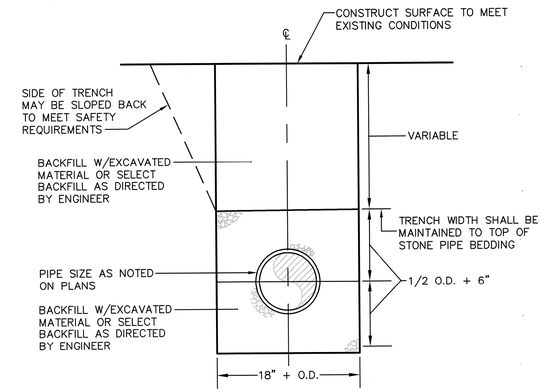
JOB NO. 11106 DWG FILE 6A-WEST-AMENDMENT

C-104

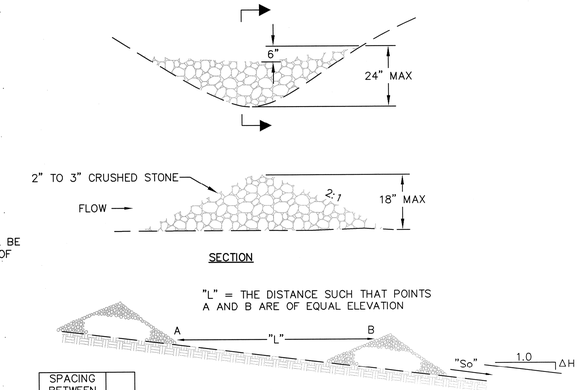


NOTE:
#67 STONE AND OFF-SITE BORROW INSTALLED BY CONTRACTOR, PROVIDED BY EVERGREEN PACKAGING.

SLOPE TRANSITION
NTS

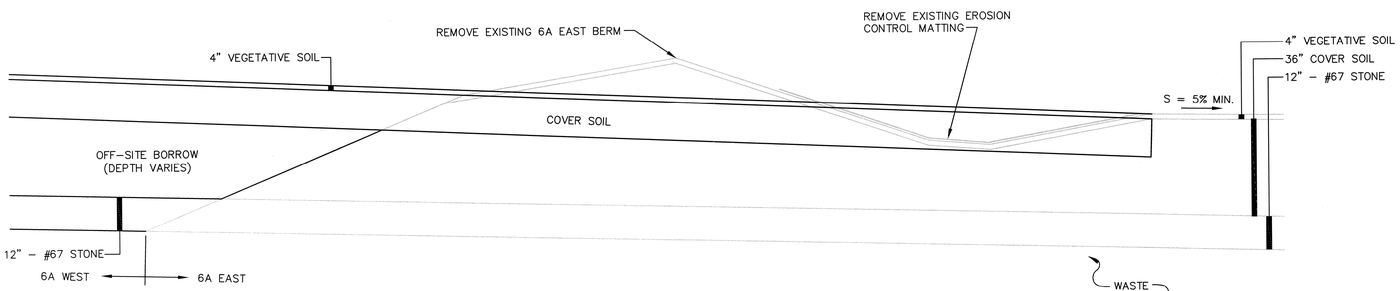


STORM DRAIN
NTS

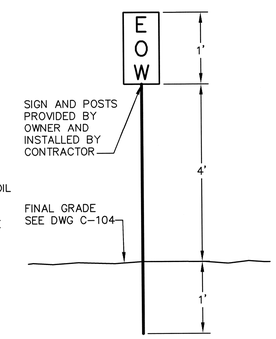


SPACING BETWEEN CHECK DAMS	
"So" FT/FT	"L" FT
0.020	75
0.030	50
0.040	40
0.050	30
0.080	20
0.100	10

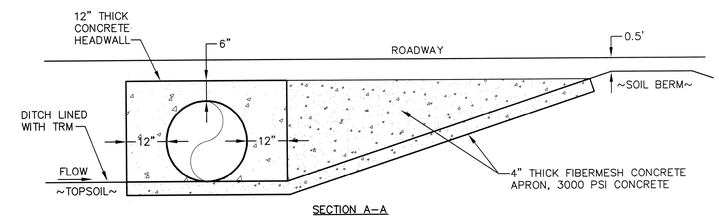
STONE CHECK DAM
NTS

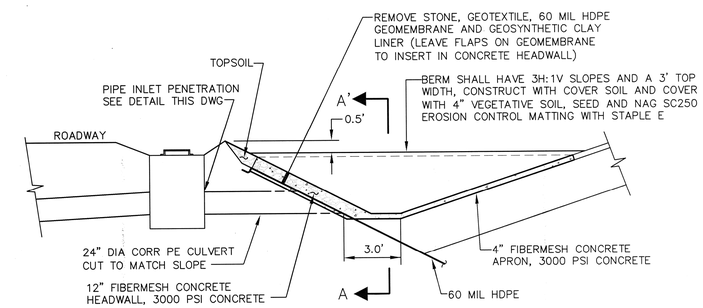


6A EAST TIE-IN
NTS

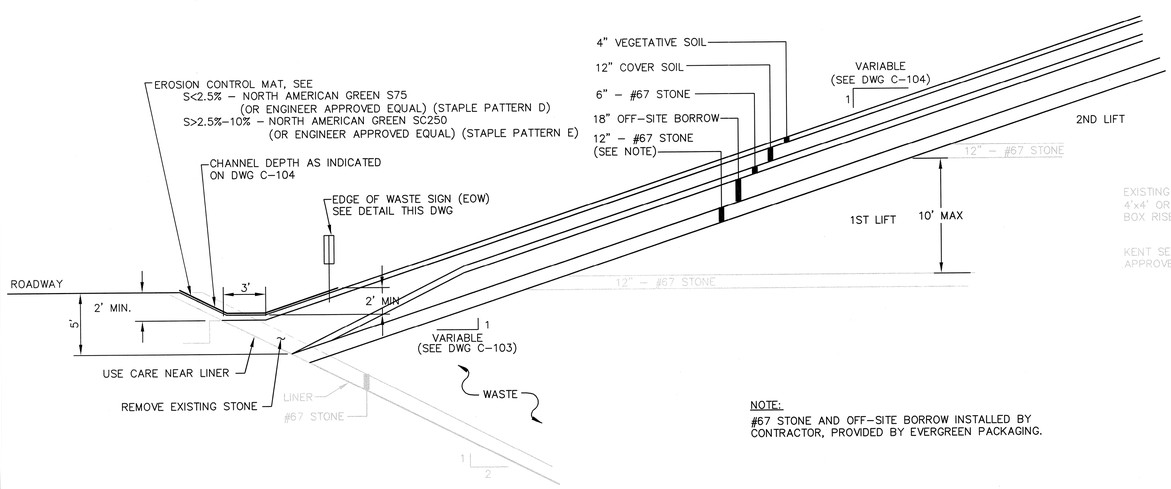


EDGE OF WASTE SIGN
NTS



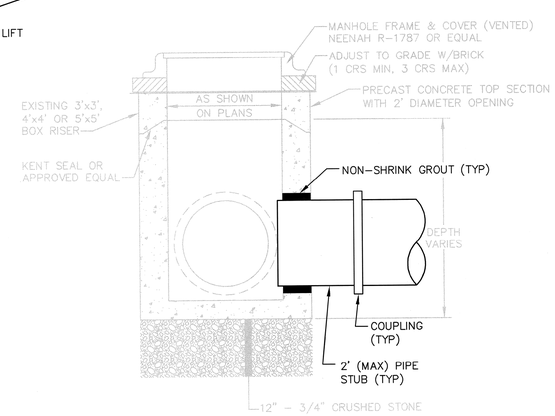


PIPE INLET/PENETRATION
NTS



NOTE:
#67 STONE AND OFF-SITE BORROW INSTALLED BY CONTRACTOR, PROVIDED BY EVERGREEN PACKAGING.

FINAL COVER SYSTEM AT LANDFILL TOE
NTS



PIPE INLET PENETRATION
NTS

REV.	BY	DATE	STATUS
		11/11	RECORD DRAWING
	GHC	5/25/11	ISSUED FOR BID
	GHC	4/11/11	SUBMITTED TO NCDENR

NORTH CAROLINA PROFESSIONAL SEAL 037702 ENGINEER GUY H. COTE, JR.

EVERGREEN PACKAGING
CANTON, NORTH CAROLINA
LANDFILL NO. 6
AREA A WEST CLOSURE AMENDMENT

SECTIONS AND DETAILS

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CTB: SME-STD

JOB NO. 11106 DWG FILE 6A-WEST AMENDMENT-DETAILS C-300

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