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**CONSTRUCTION QUALITY ASSURANCE
DOCUMENTATION FOR C&D LANDFILL, INC.
PHASE 2**

**C&D Landfill, Inc., CDLF (Phase 2)
Pitt County, North Carolina**

APPROVED
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION
DATE 4-1-10 BY D. Wilson
PTO 74-07, Atch I, Part II, Doc 22
DOC ID 10133

Prepared for



JANUARY 2010

Revised through March 2010

David Garrett, P.G., P.E.

Engineering and Geology

5105 Harbour Towne Drive, Raleigh, NC 27604

Telephone/Fax (919) 231-1818



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March 3, 2010

Ms. Donna Wilson, Regional Engineer
NCDENR Division of Waste Management
Solid Waste Section Permitting Branch
1646 Mail Service Center
Raleigh, NC 27699-1646

RE: Construction Quality Control Documentation
C&D Landfill, Inc. CDLF Phase 2A
Pitt County, North Carolina
Solid Waste Permit #74-07

Dear Ms. Wilson:

On behalf of C&D Landfill, Inc., I am pleased to present this report documenting the completion of Phase 2A of the approved CDLF expansion. This work was completed in pursuit of the Permit to Construct issued by the Solid Waste Section (SWS) on July 21, 2009. Within this report, please find documentation on the construction of the first of two cells—Phase 2A covering approximately 10 acres in the southern portion of the approved footprint – including my certification of subgrade conditions and general adherence to the approved construction plan. At this time C&D Landfill, Inc., seeks the Section's approval of the construction and the issuance of a Permit to Operate for a five-year period.

Report Organization

This report is organized into the following sections:

1. CQA meeting minutes and notes
2. Soils laboratory testing reports
3. As-built construction drawings
4. Piezometer abandonment records
5. Monitoring well installation and sampling
6. Photographic documentation

Overview

This report is intended to satisfy the requirements of 15A NCAC 13B .0541 for documentation of a Construction Quality Assurance program for Phase 2A of the C&D Landfill, Inc., outlined in Section 7 of the Permit to Construct application, March 2009 update. Phase 2 is a separate footprint from the older CDLF (Phase 1) and encompasses approximately 23 acres. Construction was divided into two equal-size cells: Phase 2A within the lower elevations to the south and future Phase 2B in the slightly higher elevations to the north. Major aspects of the new construction included:

1. Clearing of the former agriculture site; installation of sedimentation and erosion control measures approved by Pitt County Planning Department.
2. Abandonment of selected piezometers and installation of new monitoring wells in accordance with the approved Sampling and Analysis Plan Construction; baseline sampling of the new monitoring wells.
3. Establish layout and grade control for construction using a third-party licensed surveyor; setting permanent marker posts at the perimeter of the waste footprint.
3. Excavation and grading of approximately 1 acres with cuts varying up to 1.5 feet below the original ground surface.
4. Placement and compaction of new fill to approved grades within the remainder of the Phase 2A footprint; this includes the approved use of ‘beneficial fill’ within fill sections deeper than 24 inches; all fill within the upper 24 inches of finished grades must meet the current NC DENR Solid Waste Section requirements for compaction and soil type (documented in this report)–testing conducted by a third-party soils laboratory.
5. Construction of a new access road near the northeast corner of Phase 2A.
6. Protection of exposed subgrade and earthwork embankments, including sedimentation and erosion control features, with vegetation and/or mulch.

Responsibilities and Documentation

The Facility served as its own contractor, using in-house staff and equipment with local surveying support (Tip Burgess, RLS supervising), field engineering support and CQA oversight (David Garrett & Associates, John Tucker PE), and a third-party soil laboratory (Geotechnics, Inc.). The General Manager of the facility, Wayne Bell, provided general supervision of the construction activities. Documentation of the work consists of field notes and ‘as-built’ construction plans, plus a series of photographs, presented in separate sections of this report.

Regular CQA meetings were conducted with the staff, in conjunction with site inspections, to outline the objectives of the work and to check progress and quality of workmanship. During these meetings, and in regular phone contact in between meetings, the staff described problems they encountered, e.g., some of the soils failed initial compaction testing and needed to be reworked with additional compaction effort. During the course of the construction, grade control became an issue—grade stakes were lost—which resulted in a portion of the footprint requiring additional fill placement. The weather was a factor in construction progress but not considered detrimental to working the soils—if anything, the soils were believed to be too dry in the initial stages of construction, which turned around during the relatively rainy autumn. All soil work eventually passed the testing requirements.

Certification

By way of my signature and seal on this document, this is to certify that the construction of Phase 2A of the C&D Landfill, Inc., CDLF was completed that the construction was completed in accordance with (1) the CQA Plan, (2) the conditions of the Permit to Construct, (3) the Solid Waste Management Rules, and (4) acceptable engineering practices. This is to further certify that the grades and lines are accurately depicted on the ‘as-built’ plans, prepared based on a topographic survey by a licensed surveyor, and that subgrade soil types meet the current regulatory requirements based on visual inspection and confirmatory lab tests. No ground water or detrimental soils were encountered at or above the approved subgrade elevations; site conditions are as anticipated based on the earlier permitting studies.

Please contact me if you have any questions or comments.

Cordially yours,



G. David Garrett, P.G., P.E.



1-19-2010 Original Submittal
3-3-2010 Certification Updated

cc: Judson Whitehurst, Wayne Bell—C&D Landfill, Inc.
Ed Mussler, P.E.—SWS Permitting Branch



August 12, 2009

MEMORANDUM

TO: Wayne Bell, Judson Whitehurst

CC: John Tucker, PE, Tip Burgess, RLS

RE: CQA Meeting Minutes for July 27, 2009
C&D Landfill Phase 2A, Permit #74-07

Today we had a pre-construction meeting to discuss the construction schedule and surveying needs. In attendance were the individuals on the distribution list, plus soil technician Jacob Buda of Geotechnics, Inc. This document was prepared afterward from notes made at the time.

John Tucker noted that the south perimeter did not match the original topo (ca. 2002); it appears that a soil berm had been placed along the perimeter at some time as a means of controlling runoff to protect the wetlands and buffers. This will necessitate an adjustment in the drainage patterns, which will need to be approved by Pitt County Planning, who approved the original S&EC plan. The Solid Waste Section needs to be copied on any plan changes. Tip Burgess was asked to provide an updated survey; John Tucker will revise the drainage plan.

Wayne Bell and David Garrett showed Jacob Buda the soil borrow site location on the adjacent Lewis tract and observed a soil that potentially will be suitable for meeting the soil-type requirements for the upper 24-inches of subgrade. The soils were sampled and returned to Geotechnic's lab in Raleigh. Test results will be addressed in the next CQA meeting minutes.

Upon review of the grading stakes with Tip Burgess, it appears that fill depths in most of Phase 2A are on the order of 2 to 3 feet. This will limit the amount of "beneficial fill" that can be used for the grading (i.e., inert debris that meets the Solid Waste Section rule definition, which has been approved for use on this project). Tip Burgess informed us that exactly one foot below the tops of the half-inch diameter white pipes placed on a grid pattern represent the required fill depths. David Garrett advised that beneficial fill can be placed to a depth of 24 inches below finished subgrade; this material should be tracked in with the heaviest equipment available to stiffen the existing ground, which will enhance future compaction effort on the upper 24 inches.

The cut sections were not as clearly defined, whereas some grading stakes had been lost or were faded. Tip Burgess was asked to restake the cut sections on a grid pattern. A summary of the required surveying (to be reviewed at the next CQA meeting) is given below:

- Stake the small wetlands remaining in Phase 2B
- Set grade stakes on a 100-foot grid in the cut section of Phase 2A
- Establish topo for the south perimeter berm in Phase 2A
- Stake the phase line between Phase 2A and 2B
- Stake a construction access road along the phase line, 75 feet wide
(John Tucker to send Tip a sketch)
- Show the cut-through road at the head of the wetlands between Phase 1 and Phase 2A

Wayne Bell was to continue setting steel bollards at the edges of Phase 2A (limits of waste) based on an earlier stake out (blue flagging) performed by Tip Burgess. The bollards would be painted white or yellow and remain in place throughout the life of the project. John Tucker suggested painting the top of every other bollard a contrasting color, since the edge of waste boundary had several zig-zags.

David Garrett discussed with John Tucker the prospects of adjusting the edge of waste boundary at two locations to accommodate the monitoring wells – it would be advantageous to keep three existing piezometers from the site characterization study and convert them to MW-12, MW-14s and MW-14d. A minimum of 50 feet between the edge of waste and the well is recommended. John Tucker agreed to this minor change. The monitoring well installation and piezometer abandonment work was scheduled to commence in the next two weeks.

The next CQA meeting is scheduled for August 3, 2009, which will be the official pre-construction meeting with members of the Solid Waste Section.

Please contact me at your earliest convenience if you have any questions or comments.





August 12, 2009

MEMORANDUM

TO: Wayne Bell, Judson Whitehurst

CC: John Tucker, PE, Tip Burgess, RLS

RE: CQA Meeting Minutes for August 3, 2009
C&D Landfill Phase 2A, Permit #74-07

Today we had the official pre-construction meeting required by the Solid Waste Permit to overview the project with Solid Waste Section officials. In attendance were the individuals on the distribution list, plus Ben Barnes of the Solid Waste Section and Brian Jones of Pitt County Planning. This document was prepared afterward from notes made at the time.

We discussed the construction sequence and testing requirements, along with a tentative schedule for upcoming events. Wayne Bell indicated that the construction would be performed in-house with operator Randy Bragston performing much of the grading work. It was noted that there were no wetlands encroachments pertaining to Phase 2A – a small remnant wetlands in Phase 2B is scheduled to be flagged and protected until further evaluation can be made. It was noted that cuts and fills on the order of 2 to 3 feet were planned and that there were no known ground water separation issues. A borrow site had been identified with potentially suitable soils for the construction of the upper 24 inches of the subgrade.

The discrepancy in the topo mapping along the south perimeter of Phase 2A would likely necessitate a revision to the S&EC measures – Pitt County indicated they would review the proposed changes but had no qualms regarding the S&EC permit.

Brian Jones indicated his areas of concern for the upcoming construction: observation of riparian buffers (the project is in the Tar-Pamlico River Basin, subject to buffer requirements); temporary clearing activities may encroach Zone 2 (the outer 20 feet of the buffer) but not Zone 1 (the inner 30 feet); the placement of temporary silt fence along (or within) Zone 2 is required – there may be no impact on Zone 1; skimmer basins are required which may reduce the required basin volume to 1,800 cubic feet per disturbed area.

Ben Barnes indicated that the Solid Waste Section had no issues at present. A visit to the construction site with Messrs. Barnes and Jones was conducted. No new issues were brought up.

A tentative construction schedule was discussed:

- Complete surveying end of the current week
- Install monitoring wells during the current week, sample the following week
- Commence grading immediately and complete by the end of August

It should be noted that the surveying along with the well installation and sampling was completed August 10; well the piezometer abandonment was completed August 11.

Soil data from Geotechnics indicate that the upper soils in the borrow pit (Lewis Tract) will meet the soil-type requirements for the upper 24 inches of subgrade. Three samples from the upper 6 feet beneath the surface showed the percent passing the #200 sieve as 25%, 30%, and 22%, respectively. These samples indicated standard Proctor maximum dry density values varying from 117 pcf to 119 pcf. Based on these findings, these soils will be suitable for use in the upper 24 inches of subgrade construction. The testing requirements for the subgrade are spelled out in the CQA plan, which include compaction to 95% percent of the standard Proctor maximum dry density (two density and moisture tests per acre per lift and one soil classification test per acre).

It should be noted that the CQA testing requirements may be modified to increase or decrease the testing frequency after an initial period, if the results are consistent – this will require approval by the Solid Waste Section and will be documented in a future CQA meeting.

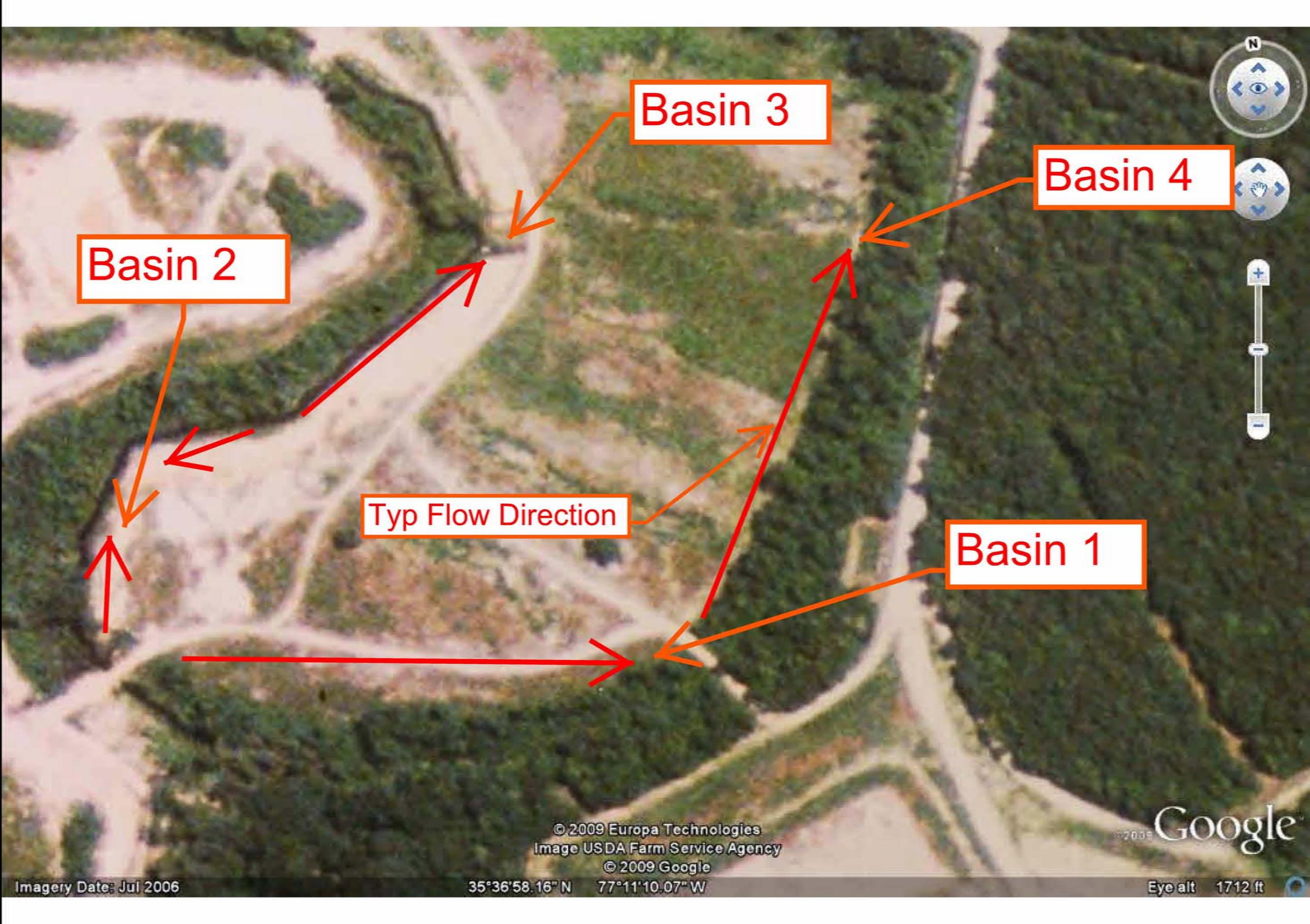
Other items needing attention include ordering the skimmers for the sediment basins – this will wait until John Tucker had revised the drainage plan. Upon completion of the drainage revision and abandonment of the piezometers, the facility is released to commence grading, following installation of the required temporary S&EC measures.

Observation of soil placement and compaction requirements is stressed. The facility is reminded to take photographs of the construction activities.

The next CQA meeting is scheduled for August 17, 2009.

Please contact me at your earliest convenience if you have any questions or comments.





Basin 2

Basin 3

Basin 4

Typ Flow Direction

Basin 1



© 2009 Europa Technologies
Image USDA Farm Service Agency
© 2009 Google

Google

Imagery Date: Jul 2006

35°36'58.16" N 77°11'10.07" W

Eye alt 1712 ft

**C&D Landfill Phase 2
Skimmer Basin Design (Revised)**

Basin Number	Top Width	Top Length	Side Slope	Depth	Min Area Required	Trial Weir Lenth	Skimmer Office Size
	(ft)	(ft)	(z:1)	(ft)	(sf)	(ft)	(in)
1	30	100	2	2.5	2670	10	1
2	15	35	2	2.5	525	10	0.5
3	40	80	2	2.5	3200	10	1.75
4	50	100	2	2.5	5000	12	1.75

David Garrett & Associates

Engineering and Geology



January 20, 2010

MEMORANDUM

TO: Judson Whitehurst, Wayne Bell – C&D Landfill, Inc.

CC: John Tucker, PE, Project File

RE: CQA Progress Meetings for C&D Landfill Construction
C&D Landfill Phase 2A, Pitt County, Permit #74-07

The following is a transcription of my field notes pertaining to various Construction Quality Assurance (CQA) inspections and meetings for the referenced work site. The work consists of site inspections and soil testing to meet North Carolina Solid Waste Rules, installation and inspection of drainage features and sediment basins – which required a redesign to accommodate prevailing site conditions – subject to approval by Pitt County Planning and Inspections. The work was substantially completed by the C&D Landfill, Inc., staff, with partial oversight provided by John Tucker, P.E and grade staking by Tip Burgess, RLS.

There were no special construction procedures (e.g., underdrains or undercutting) required. Whereas only a minor portion of the Phase 2A footprint was in cut, a sizeable quantity of fill derived from an adjacent borrow site was placed; the soil was tested for Solid Waste density and soil type requirements by Geotechnics, Inc., of Raleigh, NC.

The following notes are arranged by date of my inspections, i.e., minutes of the CQA meetings, which are intended to serve as documentation of the construction and CQA oversight. Included with this document are relevant photographs and relevant drawings of “as-built” conditions. Please be advised that this document shall be presented to the NC DENR Division of Waste Management in support of a forthcoming Permit to Operate application.

Please contact me if you have any questions or comments regarding this submittal.

A handwritten signature in black ink, appearing to read "David Garrett".

CQA Progress Meeting Minutes

Present at all CQA meetings was Wayne Bell of EJE Recycling/C&D Landfill, Inc.; occasionally saw Randy Bragston (staff member serving as grading superintendent). A summary of key observations made on the indicated dates of inspection follows:

- 8/17/09 Inspected preliminary clearing activities and advised client on Sedimentation and Erosion Control issues. Surveying required for resolving a discrepancy with the original site topo (relative to planned sediment basins) and staking of approved grades was inspected. Owner had initiated on-site stockpiling of “beneficial fill” materials – approved for base grade construction by NC DENR Solid Waste Section – and soil from adjacent borrow site were observed.
- 8/29/09 Met with soil technician Jesse Patton of Geotechnics to perform initial testing of a trial fill section, i.e., a “test pad” to determine effectiveness of compaction effort. Soil observed in place was more clayey than the initial test specimen obtained from the borrow site during the prior month – this prompted the need for another Proctor test. I laid out an easily reproducible grid based on offsets from existing monitoring wells and instructed the soil technician on sampling frequency and location for density and soil type tests.
- 9/14/09 Observed progress (documented with photographs) and discussed layout for perimeter ditches and sediment basins. Minor adjustment of basins needed near MW-12s and MW-14s and 14d to accommodate a desired minimum setback of 50 feet from the wells (my criteria). Other minor grade change appears needed in the vicinity of MW-14s to avoid leaving a low spot that would impound surface water – this was conveyed to John Tucker, who was in the process of finalizing the basin layout. Reviewed soil test results for test pad with Wayne Bell – test had failed at 85% compaction, relative to 95% required compaction. Wayne said the compaction effort would be increased per my recommendations.
- 10/2/09 Visited site to observe progress of sediment basin installation and overall fill placement. No new instructions for the staff. Wayne Bell kept me apprised of construction progress and advised on the need for testing by Geotechnics – field reports document their findings separately.
- 10/22/09 Failing compaction tests documented in Geotechnics field report discussed with Wayne Bell by phone. Expectation of heavy rainfall followed by reworking the relatively sandy soils would be rechecked when practical. A different compaction technique appeared to be required – Wayne Bell indicated he would try using the facility’s CAT 826 trash compactor, which is equipped with four cleated steel wheels. According to Geotechnics field reports, all soils met the soil-type requirements for the upper 24 inches beneath design subgrade.

- 10/27/09 John Tucker visited the site for photographs and inspection of the sediment basins.
- 11/17/09 Discussed results of follow-up field density testing with Wayne Bell (refer to Geotechnics field report). All density tests had passed.
- 11/24/09 I had discussions with John Tucker Wayne Bell regarding the delay in completing as-built drawings for the cell construction.
- 12/4/09 As-built survey was reported to be in progress. I had discussions with Wayne Bell regarding the financial assurance bond (final papers forthcoming).
- 12/8/09 We received the as-built drawing and discovered some areas of the Phase 2A footprint were too low – off by a few tenths of a foot in places – John and I advised Wayne Bell, who said he would place and compact additional fill in the areas John had indicated on his map (see Figure 1).
- 12/22/09 John Tucker provided map calculation of required fill to meet approved grades (see Figure 2). I was informed that the bonding had been finalized. We are awaiting as-built documentation of final grading.
- 12/29/09 Construction oversight notes edited and finalized for review by interested parties.
- 1/13/10 Tip Burgess forwarded “as-built” drawings based on survey of recent fill placement, conducted in second week of January.
- 1/18/10 David Garrett inspected site and documented site conditions with photographs.

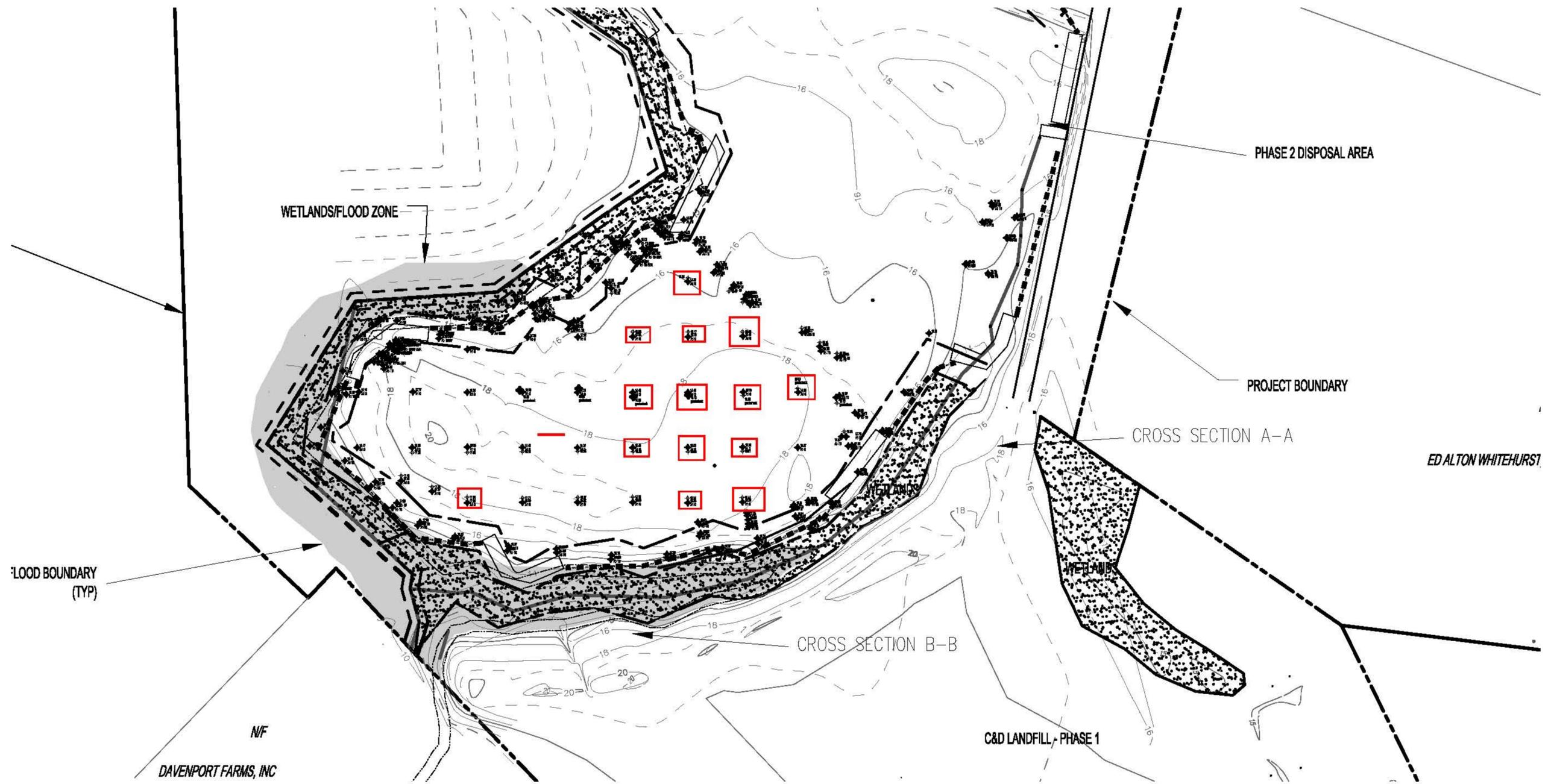


Figure 1
Grade Check
12/8/2009

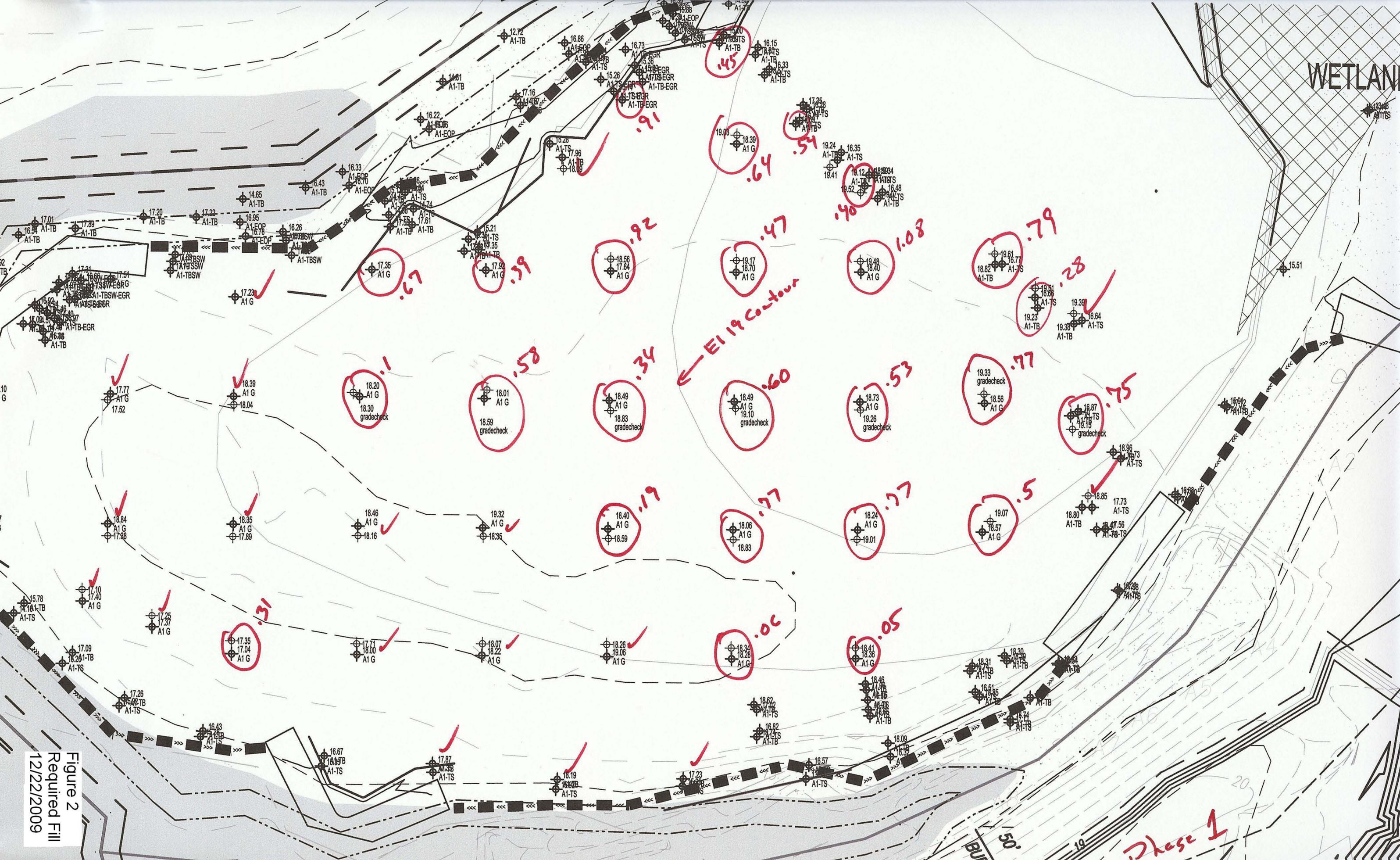


Figure 2
 Required Fill
 12/22/2009



July 30, 2009

Project No. 2009-688-01

Mr. David Garrett, P.G., P.E.
David Garrett & Associates
5105 Harbour Towne Dr.
Raleigh, NC 27604

Transmittal
Laboratory Test Results
C & D Landfill, Inc. – Phase 2

Please find attached the laboratory test results for the above referenced project. The tests were outlined on the Project Verification Form that was faxed to your firm prior to the testing. The testing was performed in general accordance with the methods listed on the enclosed data sheets. The test results are believed to be representative of the samples that were submitted for testing and are indicative only of the specimens which were evaluated. We have no direct knowledge of the origin of the samples and imply no position with regard to the nature of the test results, i.e. pass/fail and no claims as to the suitability of the material for its intended use.

The test data and all associated project information provided shall be held in strict confidence and disclosed to other parties only with authorization by our Client. The test data submitted herein is considered integral with this report and is not to be reproduced except in whole and only with the authorization of the Client and Geotechnics. The remaining sample materials for this project will be retained for a minimum of 90 days as directed by the Geotechnics' Quality Program.

We are pleased to provide these testing services. Should you have any questions or if we may be of further assistance, please contact our office.

Respectfully submitted,
Geotechnics, Inc.

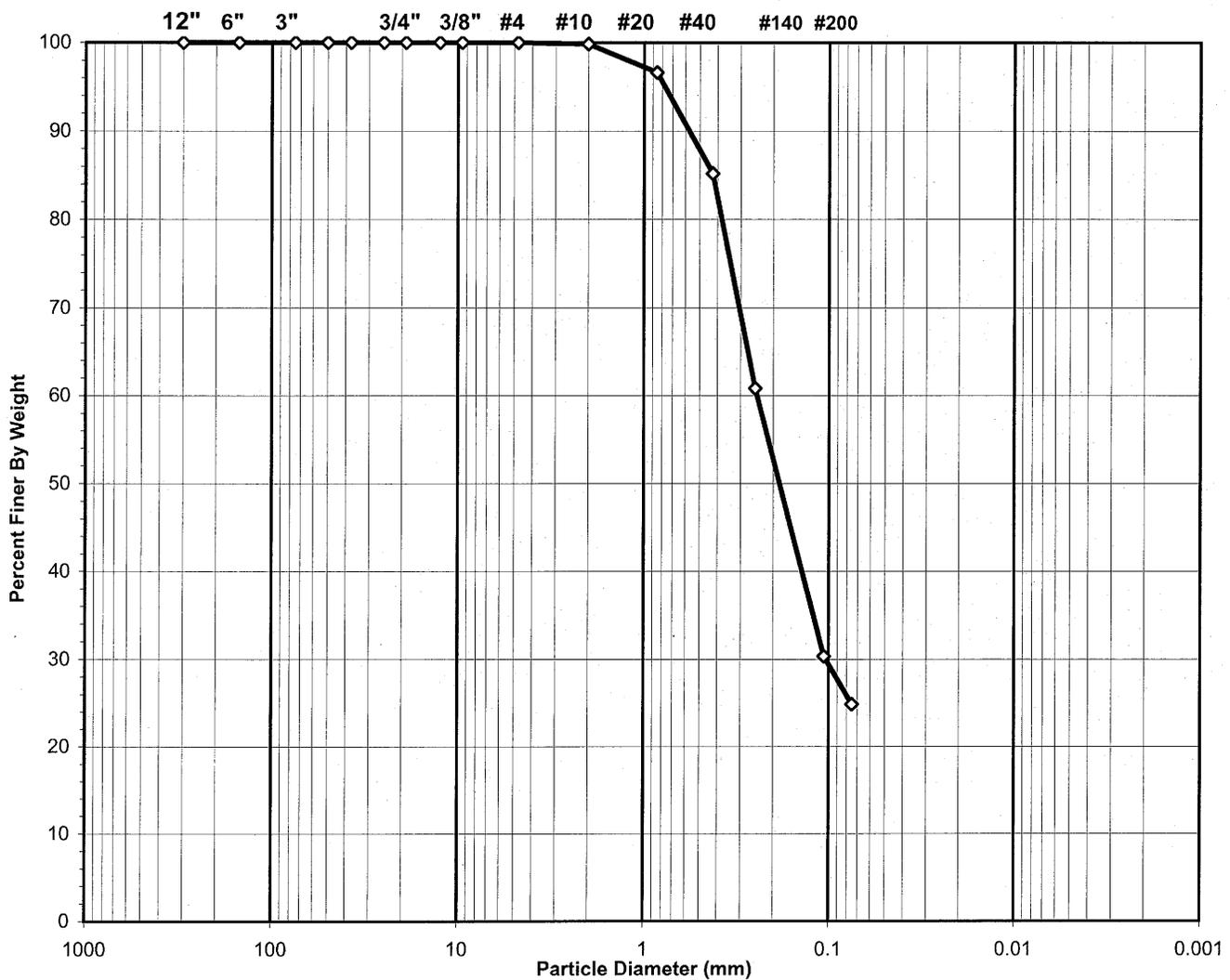

Michael P. Smith
Regional Manager

***We understand that you have a choice in your laboratory services
and we thank you for choosing Geotechnics.***

SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	TP-09-01
Client Reference	C&D LANDFILL, INC.- PHASE 2	Depth (ft)	~1-6
Project No.	2009-688-01	Sample No.	S-01
Lab ID	2009-688-01-01	Soil Color	ORANGE BROWN

USCS	SIEVE ANALYSIS		HYDROMETER
	gravel	sand	silt and clay



USCS Symbol *sm, ASSUMED*

USCS Classification *SILTY SAND*

Tested By GL Date 7/30/2009 Checked By *Cam* Date 7-30-09

WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	TP-09-01
Client Reference	C&D LANDFILL, INC.- PHASE 2	Depth (ft)	~1-6
Project No.	2009-688-01	Sample No.	S-01
Lab ID	2009-688-01-01	Soil Color	ORANGE BROWN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	217	Tare No.	NA
Wgt. Tare + Wet Specimen (gm)	736.52	Wgt. Tare + Wet Specimen (gm)	NA
Wgt. Tare + Dry Specimen (gm)	684.41	Wgt. Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	171.13	Weight of Tare (gm)	NA
Weight of Water (gm)	52.11	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	513.28	Weight of Dry Soil (gm)	NA
Moisture Content (%)	10.2	Moisture Content (%)	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	513.28
Dry Weight - 3/4" Sample (gm)	385.6	Weight of minus #200 material (gm)	127.67
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	385.61
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

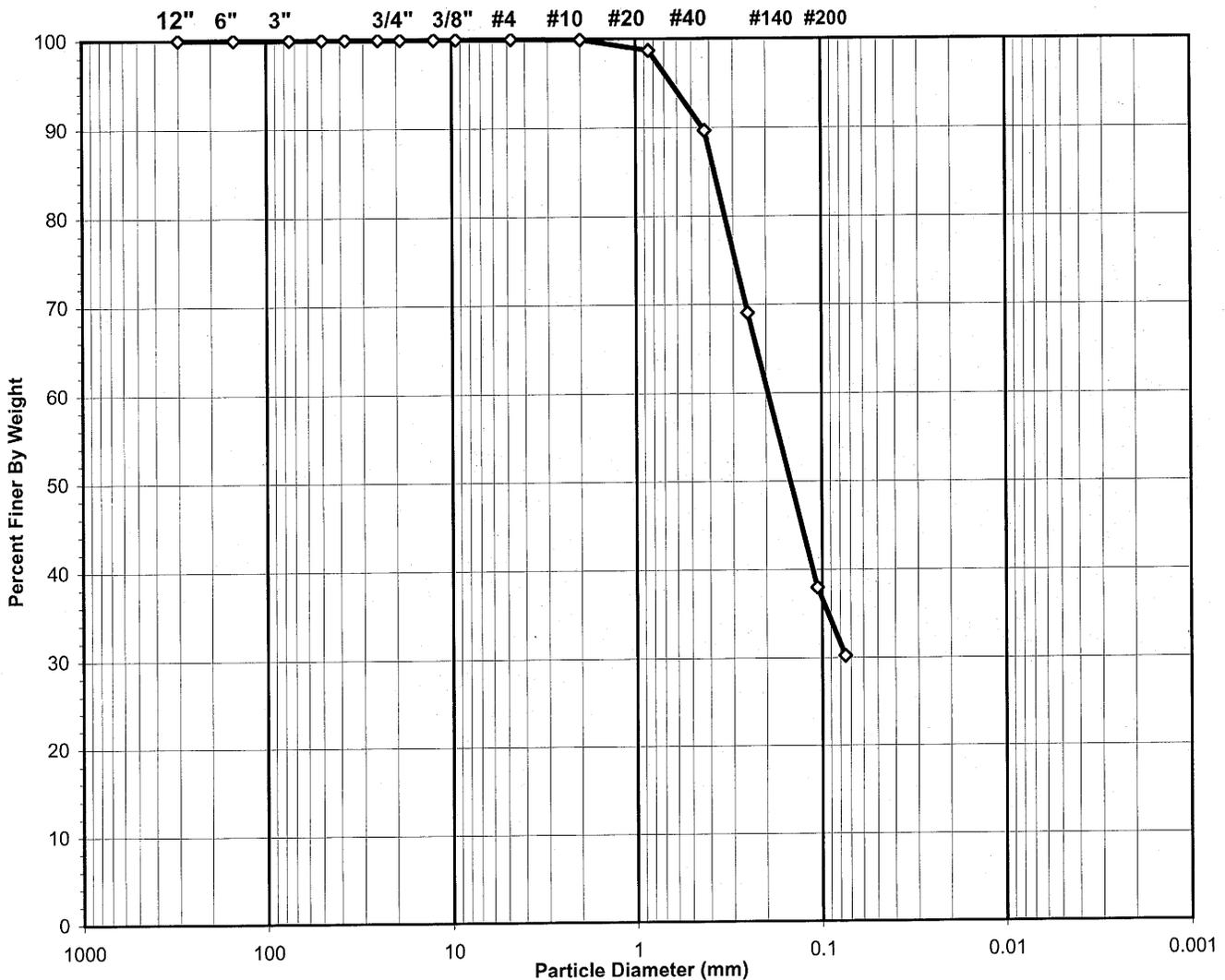
Sieve Size	Sieve Opening (mm)	Wgt. of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.0	0.0	100.0	100.0
6"	150	0.00	0.0	0.0	100.0	100.0
3"	75	0.00	0.0	0.0	100.0	100.0
2"	50	0.00	0.0	0.0	100.0	100.0
1 1/2"	37.5	0.00	0.0	0.0	100.0	100.0
1"	25.0	0.00	0.0	0.0	100.0	100.0
3/4"	19.0	0.00	0.0	0.0	100.0	100.0
1/2"	12.50	0.00	0.0	0.0	100.0	100.0
3/8"	9.50	0.00	0.0	0.0	100.0	100.0
#4	4.75	0.00	0.0	0.0	100.0	100.0
#10	2.00	0.92	0.2	0.2	99.8	99.8
#20	0.850	16.50	3.2	3.4	96.6	96.6
#40	0.425	58.73	11.4	14.8	85.2	85.2
#60	0.250	125.09	24.4	39.2	60.8	60.8
#140	0.106	156.49	30.5	69.7	30.3	30.3
#200	0.075	27.88	5.4	75.1	24.9	24.9
Pan	-	127.67	24.9	100.0	-	-

Tested By GL Date 7/30/2009 Checked By GEM Date 7-30-09

SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	TP-09-02
Client Reference	C&D LANDFILL, INC.- PHASE 2	Depth (ft)	~1-5
Project No.	2009-688-01	Sample No.	S-02
Lab ID	2009-688-01-02	Soil Color	ORANGE BROWN

USCS	SIEVE ANALYSIS		HYDROMETER
	gravel	sand	silt and clay



USCS Symbol *sm, ASSUMED*

USCS Classification *SILTY SAND*

Tested By GL Date 7/30/2009 Checked By *CGM* Date *7-30-09*

WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	TP-09-02
Client Reference	C&D LANDFILL, INC.- PHASE 2	Depth (ft)	~1-5
Project No.	2009-688-01	Sample No.	S-02
Lab ID	2009-688-01-02	Soil Color	ORANGE BROWN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	214	Tare No.	NA
Wgt. Tare + Wet Specimen (gm)	648.42	Wgt. Tare + Wet Specimen (gm)	NA
Wgt. Tare + Dry Specimen (gm)	604.36	Wgt. Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	171.36	Weight of Tare (gm)	NA
Weight of Water (gm)	44.06	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	433.00	Weight of Dry Soil (gm)	NA
Moisture Content (%)	10.2	Moisture Content (%)	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	433.00
Dry Weight - 3/4" Sample (gm)	302.2	Weight of minus #200 material (gm)	130.79
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	302.21
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt. of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.0	0.0	100.0	100.0
6"	150	0.00	0.0	0.0	100.0	100.0
3"	75	0.00	0.0	0.0	100.0	100.0
2"	50	0.00	0.0	0.0	100.0	100.0
1 1/2"	37.5	0.00	0.0	0.0	100.0	100.0
1"	25.0	0.00	0.0	0.0	100.0	100.0
3/4"	19.0	0.00	0.0	0.0	100.0	100.0
1/2"	12.50	0.00	0.0	0.0	100.0	100.0
3/8"	9.50	0.00	0.0	0.0	100.0	100.0
#4	4.75	0.00	0.0	0.0	100.0	100.0
#10	2.00	0.30	0.1	0.1	99.9	99.9
#20	0.850	5.33	1.2	1.3	98.7	98.7
#40	0.425	39.20	9.1	10.4	89.6	89.6
#60	0.250	89.18	20.6	30.9	69.1	69.1
#140	0.106	134.63	31.1	62.0	38.0	38.0
#200	0.075	33.57	7.8	69.8	30.2	30.2
Pan	-	130.79	30.2	100.0	-	-

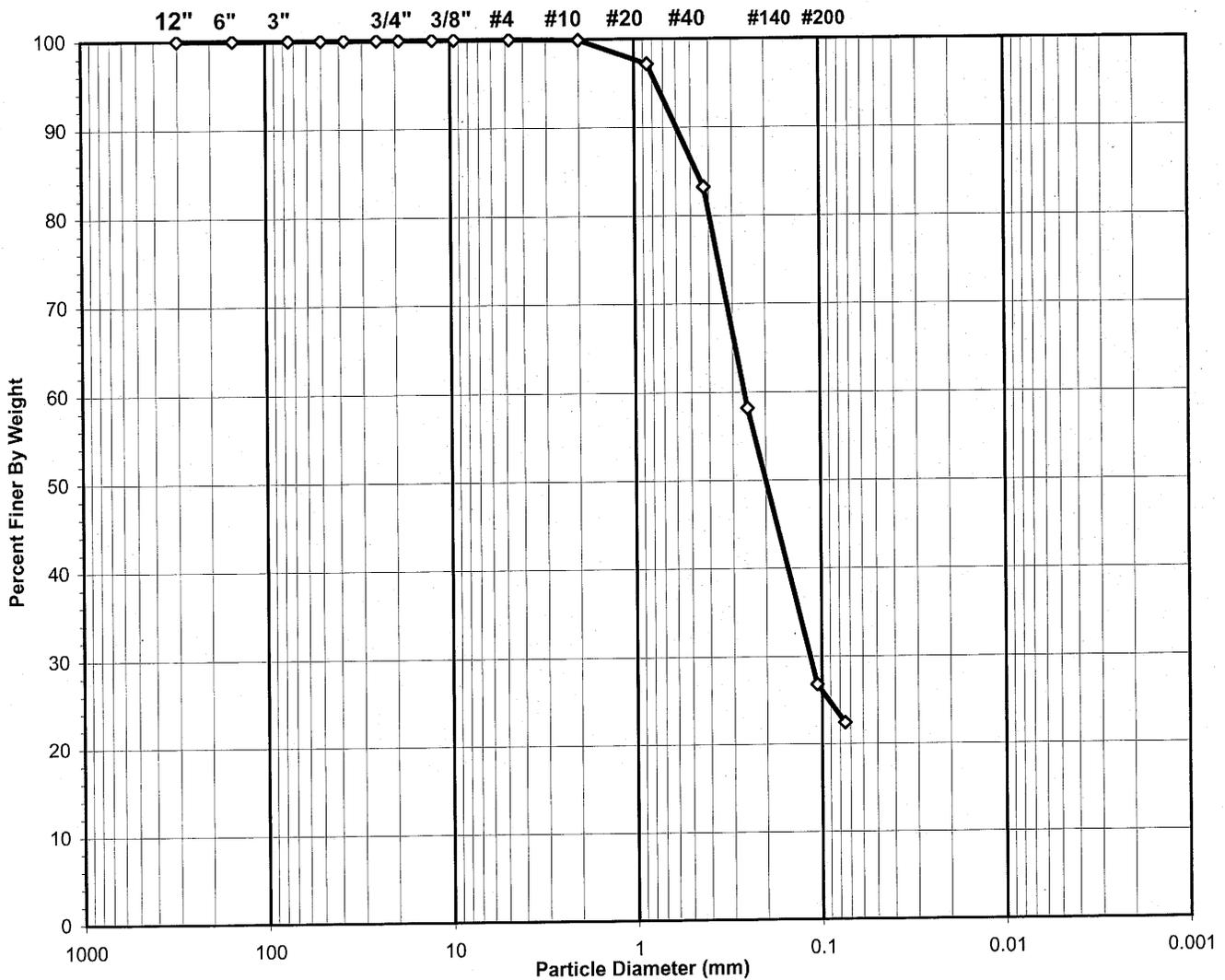
Tested By GL Date 7/30/2009 Checked By Gen Date 7-30-09

SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client DAVID GARRETT
Client Reference C&D LANDFILL, INC. - PHASE 2
Project No. 2009-688-01
Lab ID 2009-688-01-03

Boring No. TP-09-03
Depth (ft) ~1-6
Sample No. S-03
Soil Color BROWN/TAN

	SIEVE ANALYSIS		HYDROMETER
USCS	gravel	sand	silt and clay



USCS Symbol *sm, ASSUMED*

USCS Classification *SILTY SAND*

Tested By GL Date 7/30/2009 Checked By *TMS* Date 7/30/09

WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	TP-09-03
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	~1-6
Project No.	2009-688-01	Sample No.	S-03
Lab ID	2009-688-01-03	Soil Color	BROWN/TAN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	215	Tare No.	NA
Wgt. Tare + Wet Specimen (gm)	597.29	Wgt. Tare + Wet Specimen (gm)	NA
Wgt. Tare + Dry Specimen (gm)	556.75	Wgt. Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	172.46	Weight of Tare (gm)	NA
Weight of Water (gm)	40.54	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	384.29	Weight of Dry Soil (gm)	NA
Moisture Content (%)	10.5	Moisture Content (%)	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	384.29
Dry Weight - 3/4" Sample (gm)	298.1	Weight of minus #200 material (gm)	86.19
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	298.10
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt. of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.0	0.0	100.0	100.0
6"	150	0.00	0.0	0.0	100.0	100.0
3"	75	0.00	0.0	0.0	100.0	100.0
2"	50	0.00	0.0	0.0	100.0	100.0
1 1/2"	37.5	0.00	0.0	0.0	100.0	100.0
1"	25.0	0.00	0.0	0.0	100.0	100.0
3/4"	19.0	0.00	0.0	0.0	100.0	100.0
1/2"	12.50	0.00	0.0	0.0	100.0	100.0
3/8"	9.50	0.00	0.0	0.0	100.0	100.0
#4	4.75	0.00	0.0	0.0	100.0	100.0
#10	2.00	0.38	0.1	0.1	99.9	99.9
#20	0.850	10.42	2.7	2.8	97.2	97.2
#40	0.425	53.65	14.0	16.8	83.2	83.2
#60	0.250	96.20	25.0	41.8	58.2	58.2
#140	0.106	120.53	31.4	73.2	26.8	26.8
#200	0.075	16.92	4.4	77.6	22.4	22.4
Pan	-	86.19	22.4	100.0	-	-

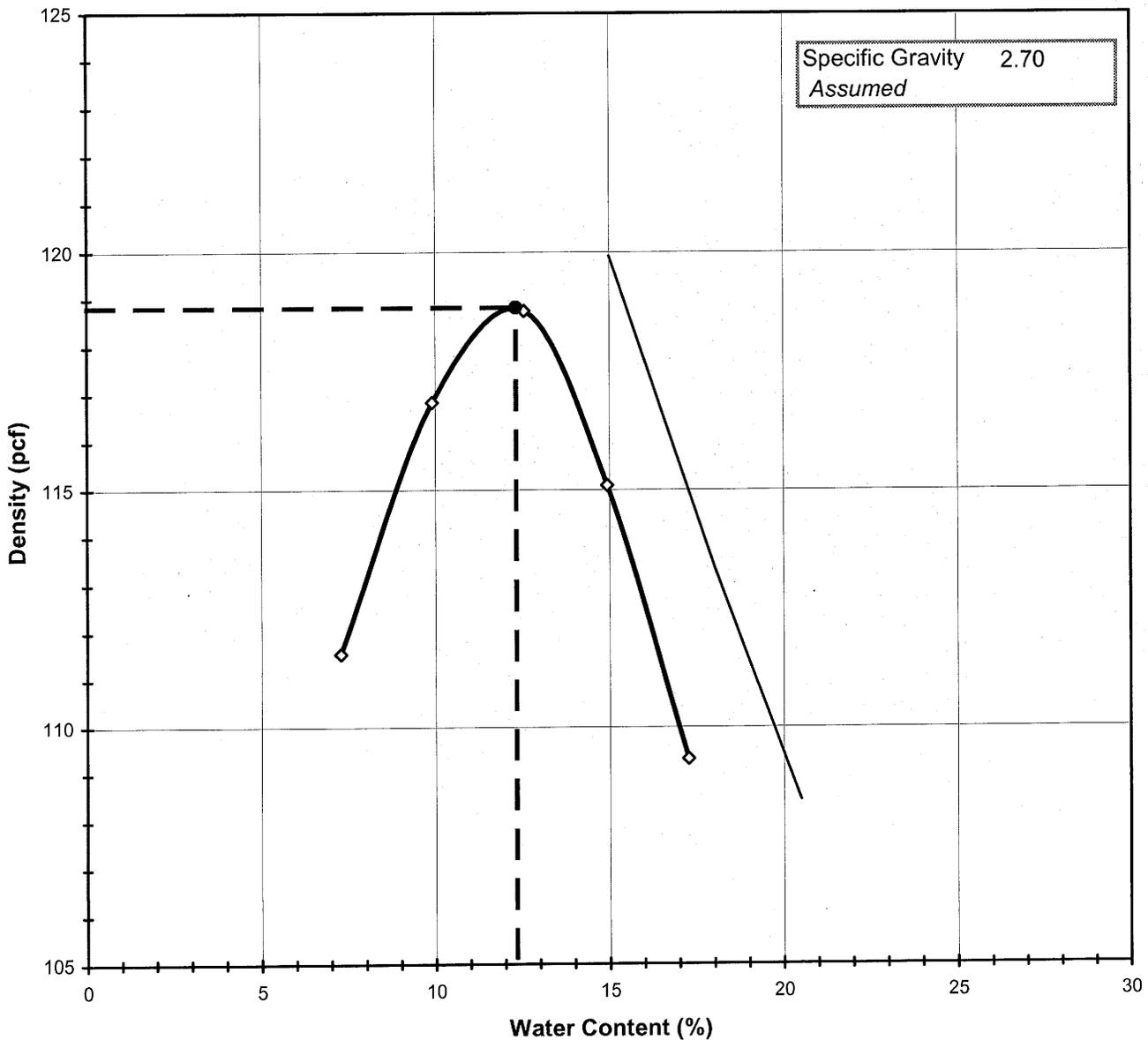
Tested By GL Date 7/30/2009 Checked By TMS Date 7/30/09

MOISTURE DENSITY RELATIONSHIP
ASTM D698-91 SOP-S12

Client	DAVID GARRETT	Boring No.	TP-09-01
Client Reference	C&D LANDFILL, INC.- PHASE 2	Depth (ft)	~1-6
Project No.	2009-688-01	Sample No.	S-01
Lab ID	2009-688-01-01	Test Method	STANDARD

Visual Description ORANGE BROWN SAND

Optimum Water Content 12.3
Maximum Dry Density 118.8



Tested By **SD** Date **7/29/2009** Checked By **CSM** Date **7-30-09**

MOISTURE - DENSITY RELATIONSHIP

ASTM D698-91 SOP-S12

Client	DAVID GARRETT	Boring No.	TP-09-01
Client Reference	C&D LANDFILL, INC.- PHASE 2	Depth (ft)	~1-6
Project No.	2009-688-01	Sample No.	S-01
Lab ID	2009-688-01-01		

Visual Description ORANGE BROWN SAND

Total Weight of the Sample (gm)	23799
As Received Water Content(%)	NA
Assumed Specific Gravity	2.70
Percent Retained on 3/4"	NA
Percent Retained on 3/8"	NA
Percent Retained on #4	NA
Oversize Material	Not included
Procedure Used	A

TestType	STANDARD	
Rammer Weight (lbs)		5.5
Rammer Drop (in)		12
Rammer Type	MECHANICAL	
Machine ID	R	174
Mold ID	R	172
Mold diameter		4"
Weight of the Mold		4316
Volume of the Mold(cc)		937

Mold / Specimen

Point No.	1	2	3	4	5
Wt. of Mold & WS (gm)	6114	6245	6324	6303	6242
Wt. of Mold (gm)	4316	4316	4316	4316	4316
Wt. of WS	1798	1929	2008	1987	1926
Mold Volume (cc)	937	937	937	937	937

Moisture Content / Density

	K-7	318	307	315	308
Tare Number					
Wt. of Tare & WS (gm)	649.30	456.00	617.30	591.10	488.70
Wt. of Tare & DS (gm)	612.77	422.75	560.79	528.66	433.13
Wt. of Tare (gm)	110.60	87.20	111.20	110.60	111.10
Wt. of Water (gm)	36.53	33.25	56.51	62.44	55.57
Wt. of DS (gm)	502.17	335.55	449.59	418.06	322.03

Wet Density (gm/cc)	1.92	2.06	2.14	2.12	2.05
Wet Density (pcf)	119.7	128.4	133.7	132.3	128.2
Moisture Content (%)	7.3	9.9	12.6	14.9	17.3
Dry Density (pcf)	111.6	116.8	118.8	115.1	109.3

Zero Air Voids

Moisture Content (%)	15.0	18.0	20.5
Dry Unit Weight (pcf)	119.9	113.4	108.5

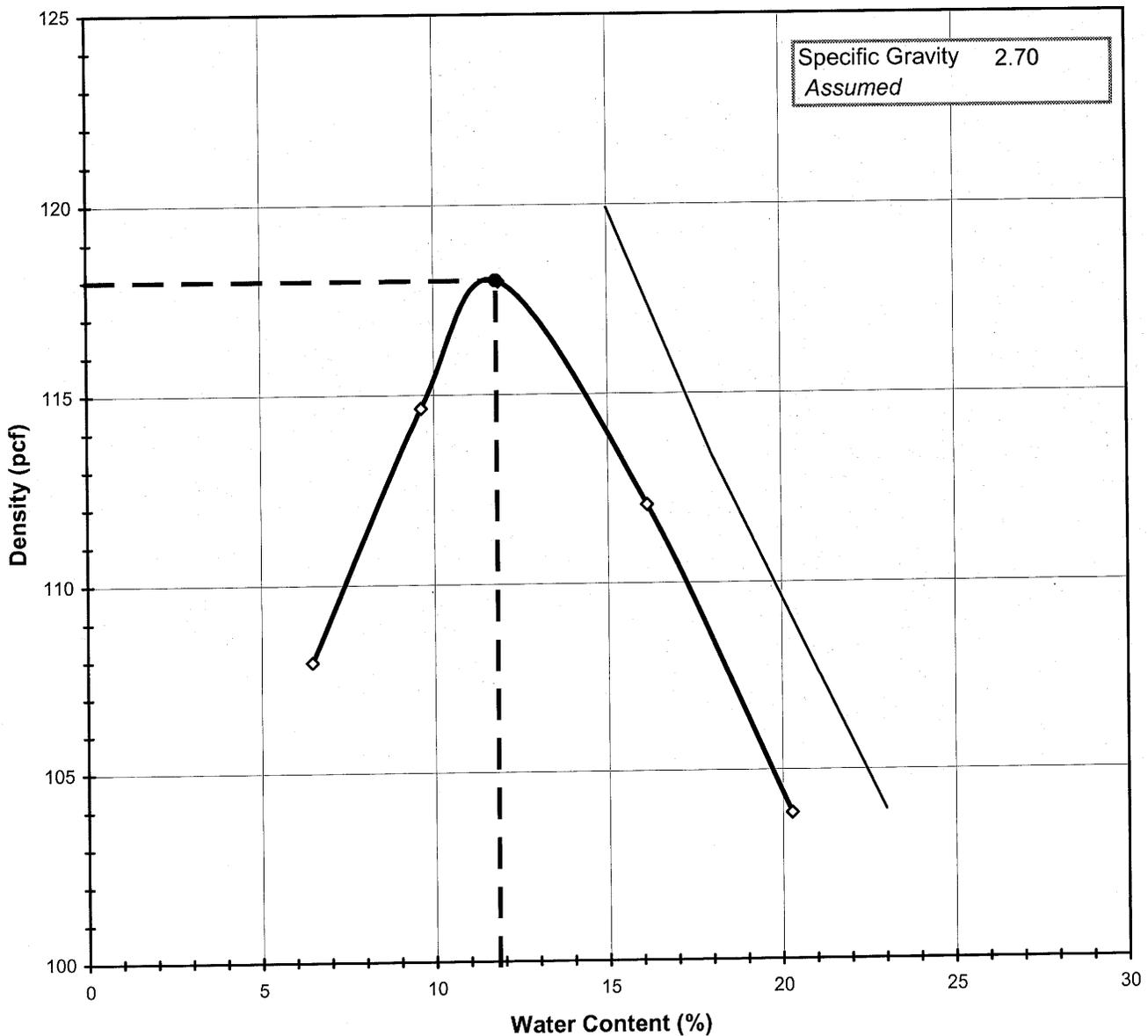
Tested By SD Date 7/29/2009 Checked By *GM* Date 7-30-09

MOISTURE DENSITY RELATIONSHIP

ASTM D698-91 SOP-S12

Client	DAVID GARRETT	Boring No.	TP-09-02
Client Reference	C&D LANDFILL, INC.- PHASE 2	Depth (ft)	~1-5
Project No.	2009-688-01	Sample No.	S-02
Lab ID	2009-688-01-02	Test Method	STANDARD
Visual Description	ORANGE BROWN SAND		

Optimum Water Content **11.8**
Maximum Dry Density **118.0**



Tested By SD Date 7/29/2009 Checked By GEM Date 7-30-09

MOISTURE - DENSITY RELATIONSHIP

ASTM D698-91 SOP-S12

Client	DAVID GARRETT	Boring No.	TP-09-02
Client Reference	C&D LANDFILL, INC.- PHASE 2	Depth (ft)	~1-5
Project No.	2009-688-01	Sample No.	S-02
Lab ID	2009-688-01-02		

Visual Description ORANGE BROWN SAND

Total Weight of the Sample (gm)	24204
As Received Water Content(%)	NA
Assumed Specific Gravity	2.70
Percent Retained on 3/4"	NA
Percent Retained on 3/8"	NA
Percent Retained on #4	NA
Oversize Material	Not included
Procedure Used	A

TestType	STANDARD	
Rammer Weight (lbs)		5.5
Rammer Drop (in)		12
Rammer Type	MECHANICAL	
Machine ID	R	174
Mold ID	R	172
Mold diameter		4"
Weight of the Mold		4316
Volume of the Mold(cc)		937

Mold / Specimen

Point No.	1	2	3	4	5
Wt. of Mold & WS (gm)	6043	6204	6299	6271	6192
Wt. of Mold (gm)	4316	4316	4316	4316	4316
Wt. of WS	1727	1888	1983	1955	1876
Mold Volume (cc)	937	937	937	937	937

Moisture Content / Density

Tare Number	319	822	817	8010	827
Wt. of Tare & WS (gm)	688.50	479.90	462.00	622.60	620.60
Wt. of Tare & DS (gm)	659.43	449.78	427.33	555.03	539.01
Wt. of Tare (gm)	209.70	137.20	135.80	136.20	136.60
Wt. of Water (gm)	29.07	30.12	34.67	67.57	81.59
Wt. of DS (gm)	449.73	312.58	291.53	418.83	402.41

Wet Density (gm/cc)	1.84	2.01	2.12	2.09	2.00
Wet Density (pcf)	114.9	125.7	132.0	130.1	124.9
Moisture Content (%)	6.5	9.6	11.9	16.1	20.3
Dry Density (pcf)	108.0	114.6	118.0	112.1	103.9

Zero Air Voids

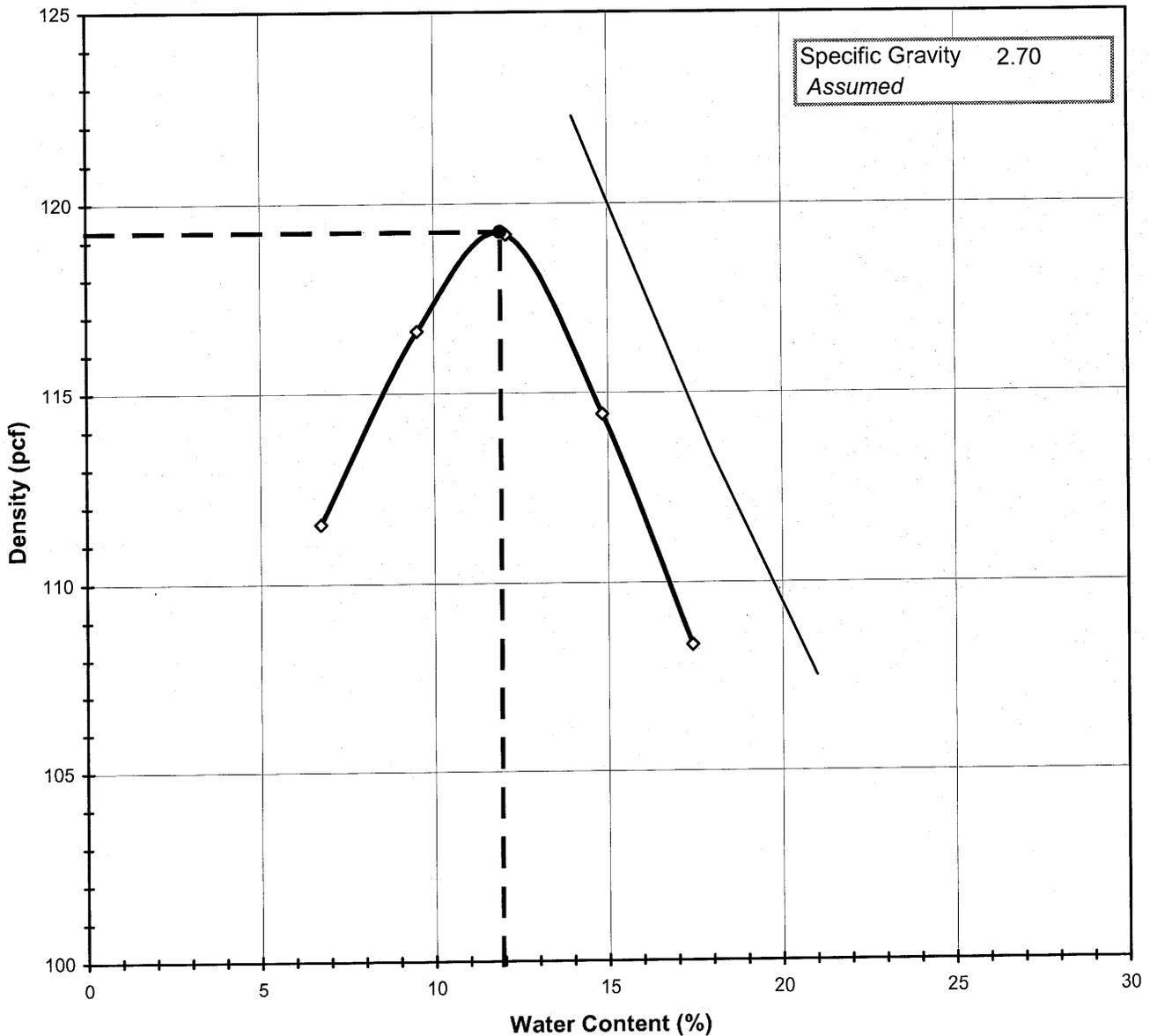
Moisture Content (%)	15.0	18.0	23.0
Dry Unit Weight (pcf)	119.9	113.4	103.9

Tested By SD Date 7/29/2009 Checked By *GAN* Date 7-30-09

MOISTURE DENSITY RELATIONSHIP
ASTM D698-91 SOP-S12

Client	DAVID GARRETT	Boring No.	TP-09-03
Client Reference	C&D LANDFILL, INC.- PHASE 2	Depth (ft)	~1-6
Project No.	2009-688-01	Sample No.	S-03
Lab ID	2009-688-01-03	Test Method	STANDARD
Visual Description	BROWN TAN SAND		

Optimum Water Content 11.9
Maximum Dry Density 119.3



Tested By SD Date 7/29/2009 Checked By Com Date 7-30-09

MOISTURE - DENSITY RELATIONSHIP

ASTM D698-91 SOP-S12

Client	DAVID GARRETT	Boring No.	TP-09-03
Client Reference	C&D LANDFILL, INC.- PHASE 2	Depth (ft)	~1-6
Project No.	2009-688-01	Sample No.	S-03
Lab ID	2009-688-01-03		

Visual Description BROWN TAN SAND

Total Weight of the Sample (gm)	21707
As Received Water Content(%)	NA
Assumed Specific Gravity	2.70
Percent Retained on 3/4"	NA
Percent Retained on 3/8"	NA
Percent Retained on #4	1
Oversize Material	Not included
Procedure Used	A

TestType	STANDARD
Rammer Weight (lbs)	5.5
Rammer Drop (in)	12
Rammer Type	MECHANICAL
Machine ID	R 174
Mold ID	R 172
Mold diameter	4"
Weight of the Mold	4315
Volume of the Mold(cc)	937

Mold / Specimen

Point No.	1	2	3	4	5
Wt. of Mold & WS (gm)	6104	6234	6322	6289	6226
Wt. of Mold (gm)	4315	4315	4315	4315	4315
Wt. of WS	1789	1919	2007	1974	1911
Mold Volume (cc)	937	937	937	937	937

Moisture Content / Density

	305	399	G-5	815	816
Tare Number	305	399	G-5	815	816
Wt. of Tare & WS (gm)	478.70	565.10	615.40	534.70	693.80
Wt. of Tare & DS (gm)	453.82	523.50	564.96	483.23	611.10
Wt. of Tare (gm)	84.30	86.50	147.70	136.60	136.20
Wt. of Water (gm)	24.88	41.60	50.44	51.47	82.70
Wt. of DS (gm)	369.52	437.00	417.26	346.63	474.90

Wet Density (gm/cc)	1.91	2.05	2.14	2.11	2.04
Wet Density (pcf)	119.1	127.7	133.6	131.4	127.2
Moisture Content (%)	6.7	9.5	12.1	14.8	17.4
Dry Density (pcf)	111.6	116.6	119.2	114.4	108.4

Zero Air Voids

Moisture Content (%)	14.0	18.0	21.0
Dry Unit Weight (pcf)	122.3	113.4	107.5

Tested By SD Date 7/29/2009 Checked By *GAM* Date 7-30-09



September 4, 2009

Project No. 2009-688-02

Mr. David Garrett, P.G., P.E.
David Garrett & Associates
5105 Harbour Towne Dr.
Raleigh, NC 27604

Transmittal
Laboratory Test Results
C & D Landfill, Inc. – Phase 2

Please find attached the laboratory test results for the above referenced project. The tests were outlined on the Project Verification Form that was faxed to your firm prior to the testing. The testing was performed in general accordance with the methods listed on the enclosed data sheets. The test results are believed to be representative of the samples that were submitted for testing and are indicative only of the specimens which were evaluated. We have no direct knowledge of the origin of the samples and imply no position with regard to the nature of the test results, i.e. pass/fail and no claims as to the suitability of the material for its intended use.

The test data and all associated project information provided shall be held in strict confidence and disclosed to other parties only with authorization by our Client. The test data submitted herein is considered integral with this report and is not to be reproduced except in whole and only with the authorization of the Client and Geotechnics. The remaining sample materials for this project will be retained for a minimum of 90 days as directed by the Geotechnics' Quality Program.

We are pleased to provide these testing services. Should you have any questions or if we may be of further assistance, please contact our office.

Respectively submitted,
Geotechnics, Inc.


Michael P. Smith
Regional Manager

***We understand that you have a choice in your laboratory services
and we thank you for choosing Geotechnics.***



ATTERBERG LIMIT
ASTM D 4318-00 (SOP - S4)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 1
Lab ID	2009-688-02-01	Visual Description	GRAY (Minus No. 40 sieve material, Wet Method)

**NON - PLASTIC
MATERIAL**

Tested By JBD Date 9/2/2009 Checked By GEM Date 9-2-09



ATTERBERG LIMIT
ASTM D 4318-00 (SOP - S4)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 2
Lab ID	2009-688-02-02	Visual Description	TAN (Minus No. 40 sieve material, Wet Method)

**NON - PLASTIC
MATERIAL**

Tested By JBD Date 9/2/2009 Checked By GAM Date 9-2-09

ATTERBERG LIMIT
ASTM D 4318-00 (SOP - S4)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 3
Lab ID	2009-688-02-03	Visual Description	LIGHT BROWN (Minus No. 40 sieve material, Wet Method)

**NON - PLASTIC
MATERIAL**

Tested By JBD Date 9/3/2009 Checked By GEM Date 9-4-09



ATTERBERG LIMIT
ASTM D 4318-00 (SOP - S4)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 4
Lab ID	2009-688-02-04	Visual Description	DARK GRAY (Minus No. 40 sieve material, Wet Method)

**NON - PLASTIC
MATERIAL**

Tested By JBD Date 9/3/2009 Checked By GM Date 9-4-09



ATTERBERG LIMIT
ASTM D 4318-00 (SOP - S4)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 5
Lab ID	2009-688-02-05	Visual Description	BROWN (Minus No. 40 sieve material, Wet Method)

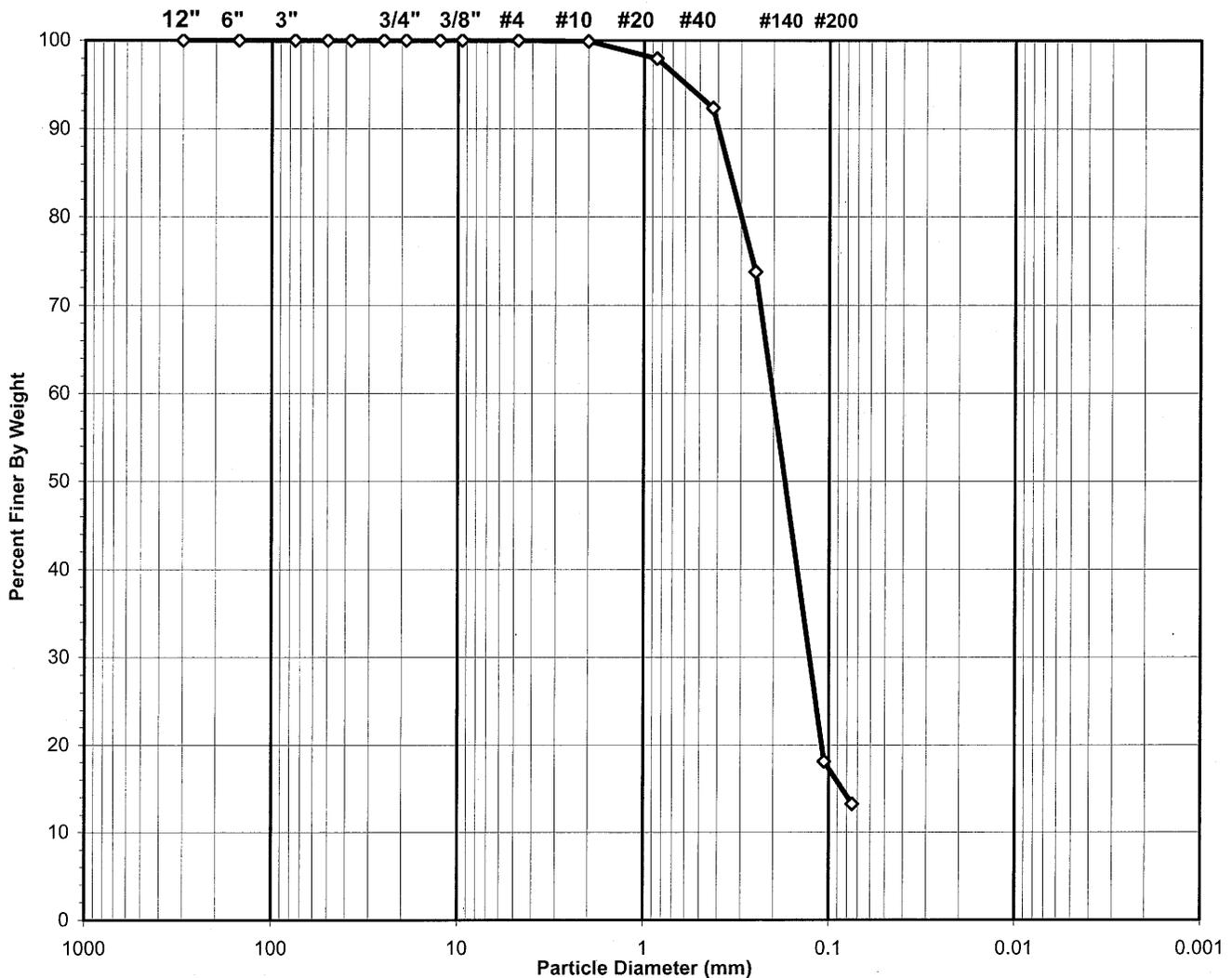
**NON - PLASTIC
MATERIAL**

Tested By JBD Date 9/3/2009 Checked By *gan* Date *9-4-09*

SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 1
Lab ID	2009-688-02-01	Soil Color	GRAY

USCS	SIEVE ANALYSIS		HYDROMETER
	gravel	sand	silt and clay



USCS Symbol **SM, TESTED (NON PLASTIC FINES)**

USCS Classification **SILTY SAND**

Tested By SD Date 9/2/2009 Checked By *GAM* Date 9-2-09

WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 1
Lab ID	2009-688-02-01	Soil Color	GRAY

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	211	Tare No.	NA
Wgt. Tare + Wet Specimen (gm)	666.22	Wgt. Tare + Wet Specimen (gm)	NA
Wgt. Tare + Dry Specimen (gm)	625.03	Wgt. Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	171.21	Weight of Tare (gm)	NA
Weight of Water (gm)	41.19	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	453.82	Weight of Dry Soil (gm)	NA
Moisture Content (%)	9.1	Moisture Content (%)	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	453.82
Dry Weight - 3/4" Sample (gm)	393.8	Weight of minus #200 material (gm)	60.04
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	393.78
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

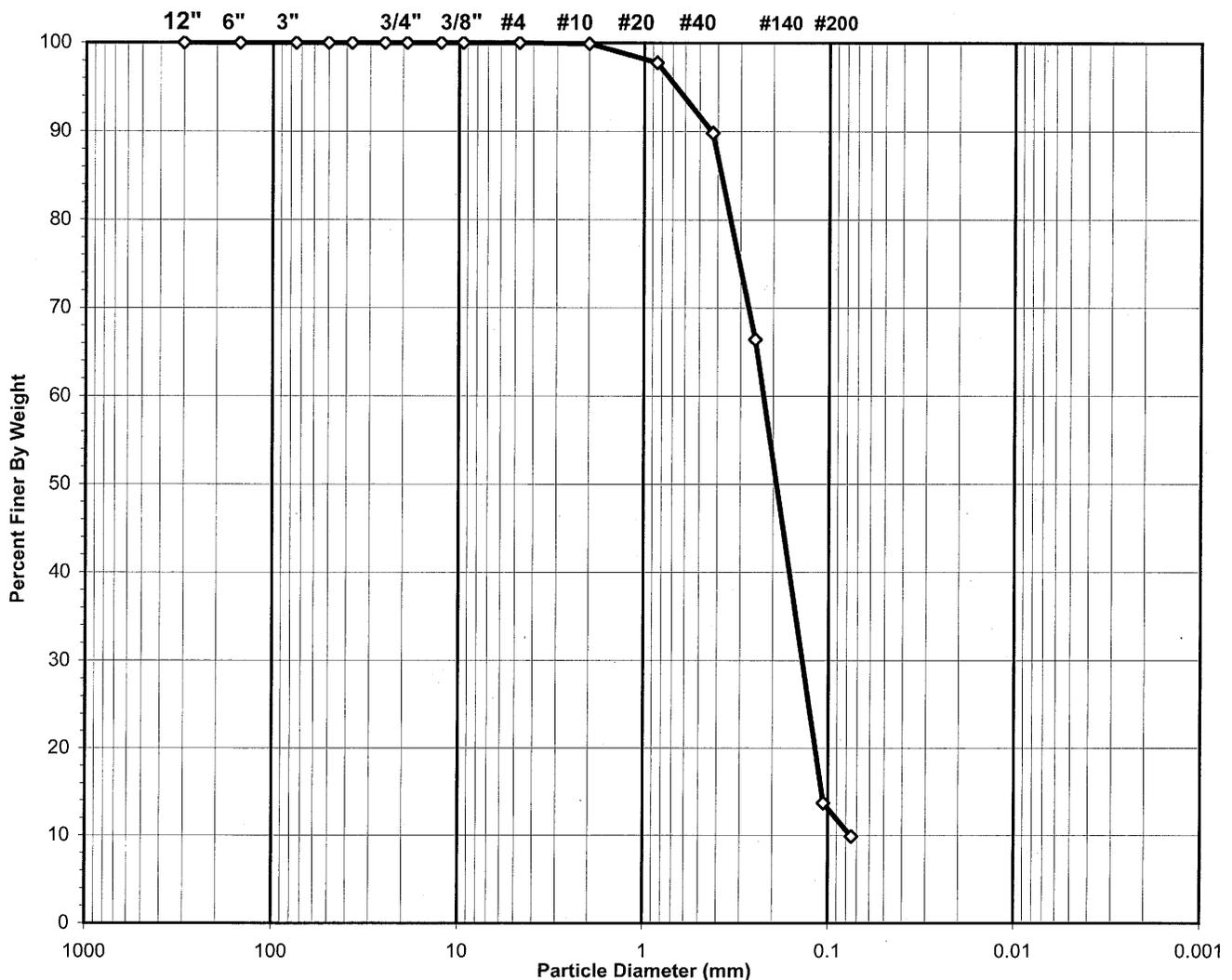
Sieve Size	Sieve Opening (mm)	Wgt. of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.0	0.0	100.0	100.0
6"	150	0.00	0.0	0.0	100.0	100.0
3"	75	0.00	0.0	0.0	100.0	100.0
2"	50	0.00	0.0	0.0	100.0	100.0
1 1/2"	37.5	0.00	0.0	0.0	100.0	100.0
1"	25.0	0.00	0.0	0.0	100.0	100.0
3/4"	19.0	0.00	0.0	0.0	100.0	100.0
1/2"	12.50	0.00	0.0	0.0	100.0	100.0
3/8"	9.50	0.00	0.0	0.0	100.0	100.0
#4	4.75	0.00	0.0	0.0	100.0	100.0
#10	2.00	0.50	0.1	0.1	99.9	99.9
#20	0.850	8.80	1.9	2.0	98.0	98.0
#40	0.425	25.40	5.6	7.6	92.4	92.4
#60	0.250	84.21	18.6	26.2	73.8	73.8
#140	0.106	252.73	55.7	81.9	18.1	18.1
#200	0.075	22.14	4.9	86.8	13.2	13.2
Pan	-	60.04	13.2	100.0	-	-

Tested By SD Date 9/2/2009 Checked By GJM Date 9-2-09

SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 2
Lab ID	2009-688-02-02	Soil Color	TAN

USCS	SIEVE ANALYSIS		HYDROMETER
	gravel	sand	silt and clay



USCS Symbol **SP-SM, TESTED (NON PLASTIC FINES)** **D60 = 0.2** **CC = 1.1**

USCS Classification **POORLY GRADED SAND WITH SILT** **D30 = 0.1** **CU = 3.0**

D10 = 0.1

Tested By **SD** Date **9/2/2009** Checked By **GSM** Date **9-2-09**

WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 2
Lab ID	2009-688-02-02	Soil Color	TAN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	200	Tare No.	NA
Wgt. Tare + Wet Specimen (gm)	547.50	Wgt. Tare + Wet Specimen (gm)	NA
Wgt. Tare + Dry Specimen (gm)	526.36	Wgt. Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	171.76	Weight of Tare (gm)	NA
Weight of Water (gm)	21.14	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	354.60	Weight of Dry Soil (gm)	NA
Moisture Content (%)	6.0	Moisture Content (%)	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	354.60
Dry Weight - 3/4" Sample (gm)	319.5	Weight of minus #200 material (gm)	35.08
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	319.52
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

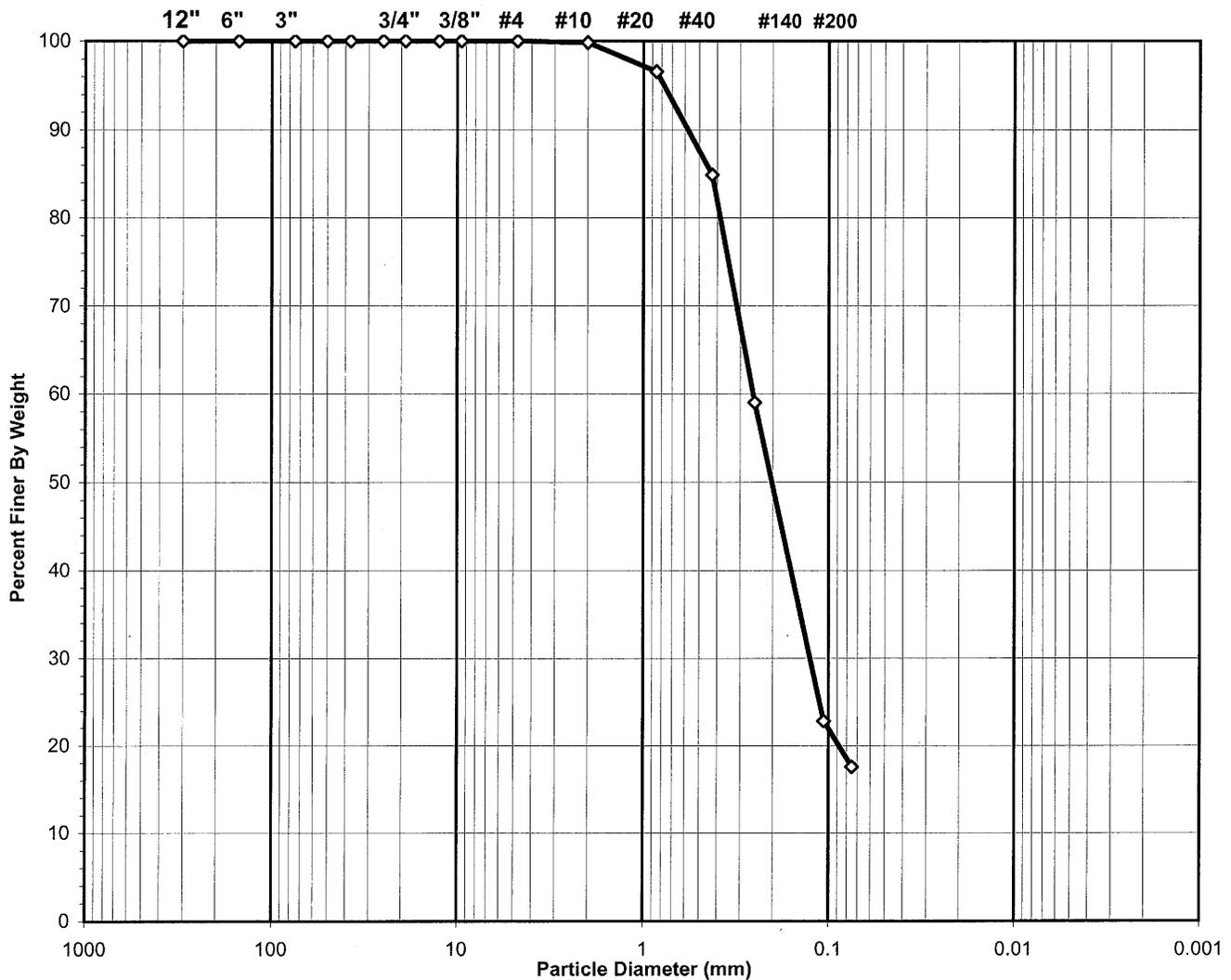
Sieve Size	Sieve Opening (mm)	Wgt. of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.0	0.0	100.0	100.0
6"	150	0.00	0.0	0.0	100.0	100.0
3"	75	0.00	0.0	0.0	100.0	100.0
2"	50	0.00	0.0	0.0	100.0	100.0
1 1/2"	37.5	0.00	0.0	0.0	100.0	100.0
1"	25.0	0.00	0.0	0.0	100.0	100.0
3/4"	19.0	0.00	0.0	0.0	100.0	100.0
1/2"	12.50	0.00	0.0	0.0	100.0	100.0
3/8"	9.50	0.00	0.0	0.0	100.0	100.0
#4	4.75	0.00	0.0	0.0	100.0	100.0
#10	2.00	0.32	0.1	0.1	99.9	99.9
#20	0.850	7.69	2.2	2.3	97.7	97.7
#40	0.425	28.19	7.9	10.2	89.8	89.8
#60	0.250	83.01	23.4	33.6	66.4	66.4
#140	0.106	186.73	52.7	86.3	13.7	13.7
#200	0.075	13.58	3.8	90.1	9.9	9.9
Pan	-	35.08	9.9	100.0	-	-

Tested By SD Date 9/2/2009 Checked By GEM Date 9-2-09

SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 3
Lab ID	2009-688-02-03	Soil Color	LIGHT BROWN

USCS	SIEVE ANALYSIS		HYDROMETER
	gravel	sand	silt and clay



USCS Symbol SM, TESTED (NON PLASTIC FINES)

USCS Classification SILTY SAND

Tested By SD Date 9/2/2009 Checked By *GEM* Date 9-4-09

WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 3
Lab ID	2009-688-02-03	Soil Color	LIGHT BROWN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	214	Tare No.	NA
Wgt. Tare + Wet Specimen (gm)	637.30	Wgt. Tare + Wet Specimen (gm)	NA
Wgt. Tare + Dry Specimen (gm)	607.93	Wgt. Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	171.35	Weight of Tare (gm)	NA
Weight of Water (gm)	29.37	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	436.58	Weight of Dry Soil (gm)	NA
Moisture Content (%)	6.7	Moisture Content (%)	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	436.58
Dry Weight - 3/4" Sample (gm)	359.9	Weight of minus #200 material (gm)	76.67
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	359.91
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

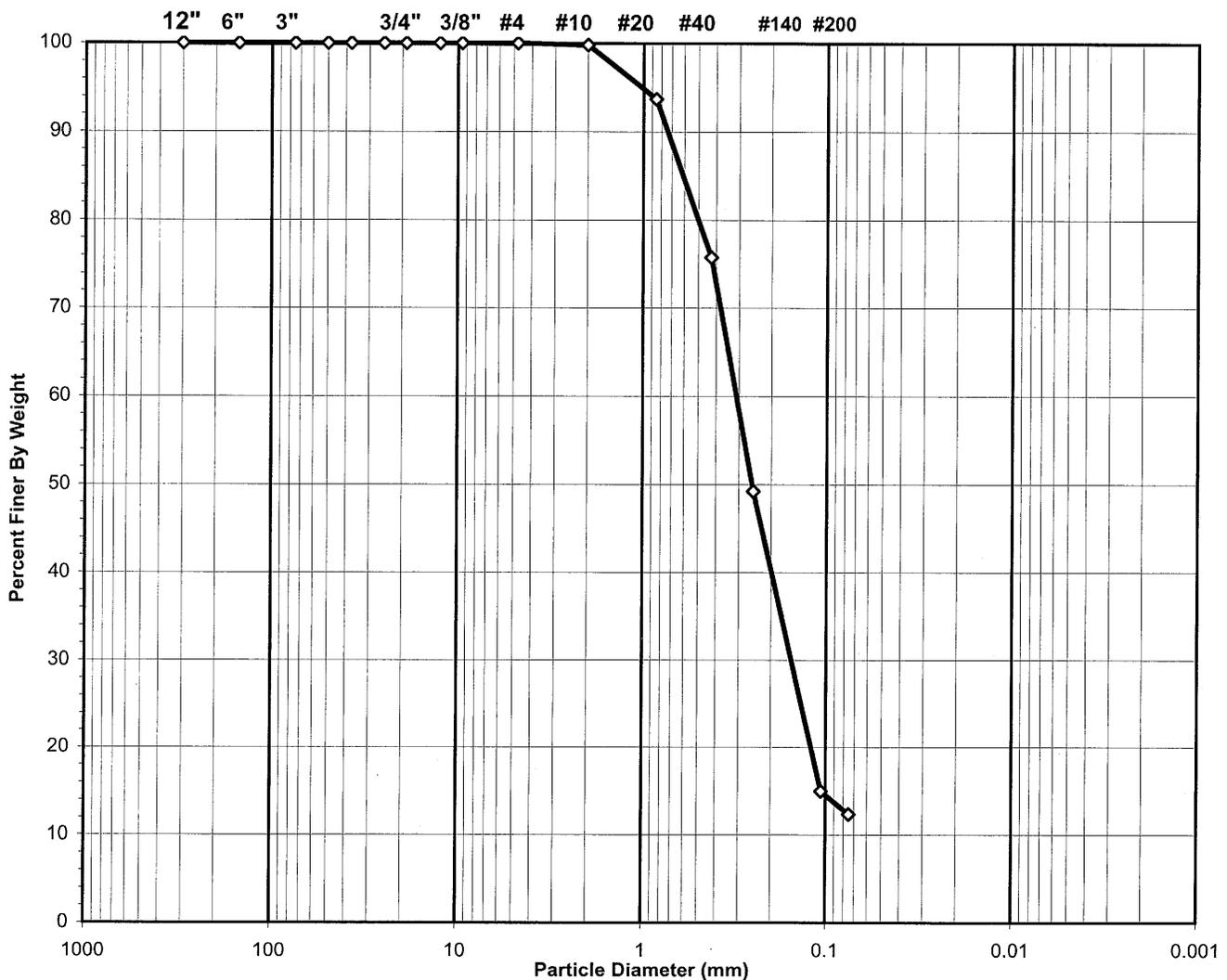
Sieve Size	Sieve Opening (mm)	Wgt. of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.0	0.0	100.0	100.0
6"	150	0.00	0.0	0.0	100.0	100.0
3"	75	0.00	0.0	0.0	100.0	100.0
2"	50	0.00	0.0	0.0	100.0	100.0
1 1/2"	37.5	0.00	0.0	0.0	100.0	100.0
1"	25.0	0.00	0.0	0.0	100.0	100.0
3/4"	19.0	0.00	0.0	0.0	100.0	100.0
1/2"	12.50	0.00	0.0	0.0	100.0	100.0
3/8"	9.50	0.00	0.0	0.0	100.0	100.0
#4	4.75	0.00	0.0	0.0	100.0	100.0
#10	2.00	0.80	0.2	0.2	99.8	99.8
#20	0.850	14.13	3.2	3.4	96.6	96.6
#40	0.425	51.14	11.7	15.1	84.9	84.9
#60	0.250	112.94	25.9	41.0	59.0	59.0
#140	0.106	157.97	36.2	77.2	22.8	22.8
#200	0.075	22.93	5.3	82.4	17.6	17.6
Pan	-	76.67	17.6	100.0	-	-

Tested By SD Date 9/2/2009 Checked By GAM Date 9-4-09

SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 4
Lab ID	2009-688-02-04	Soil Color	BROWN

USCS	SIEVE ANALYSIS		HYDROMETER
	gravel	sand	silt and clay



USCS Symbol **SM, TESTED (NON PLASTIC FINES)**

USCS Classification **SILTY SAND**

Tested By SD Date 9/2/2009 Checked By *GEM* Date *9-4-09*



WASH SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 4
Lab ID	2009-688-02-04	Soil Color	BROWN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	215	Tare No.	NA
Wgt. Tare + Wet Specimen (gm)	554.85	Wgt. Tare + Wet Specimen (gm)	NA
Wgt. Tare + Dry Specimen (gm)	533.73	Wgt. Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	172.33	Weight of Tare (gm)	NA
Weight of Water (gm)	21.12	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	361.40	Weight of Dry Soil (gm)	NA
Moisture Content (%)	5.8	Moisture Content (%)	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	361.40
Dry Weight - 3/4" Sample (gm)	316.8	Weight of minus #200 material (gm)	44.60
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	316.80
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

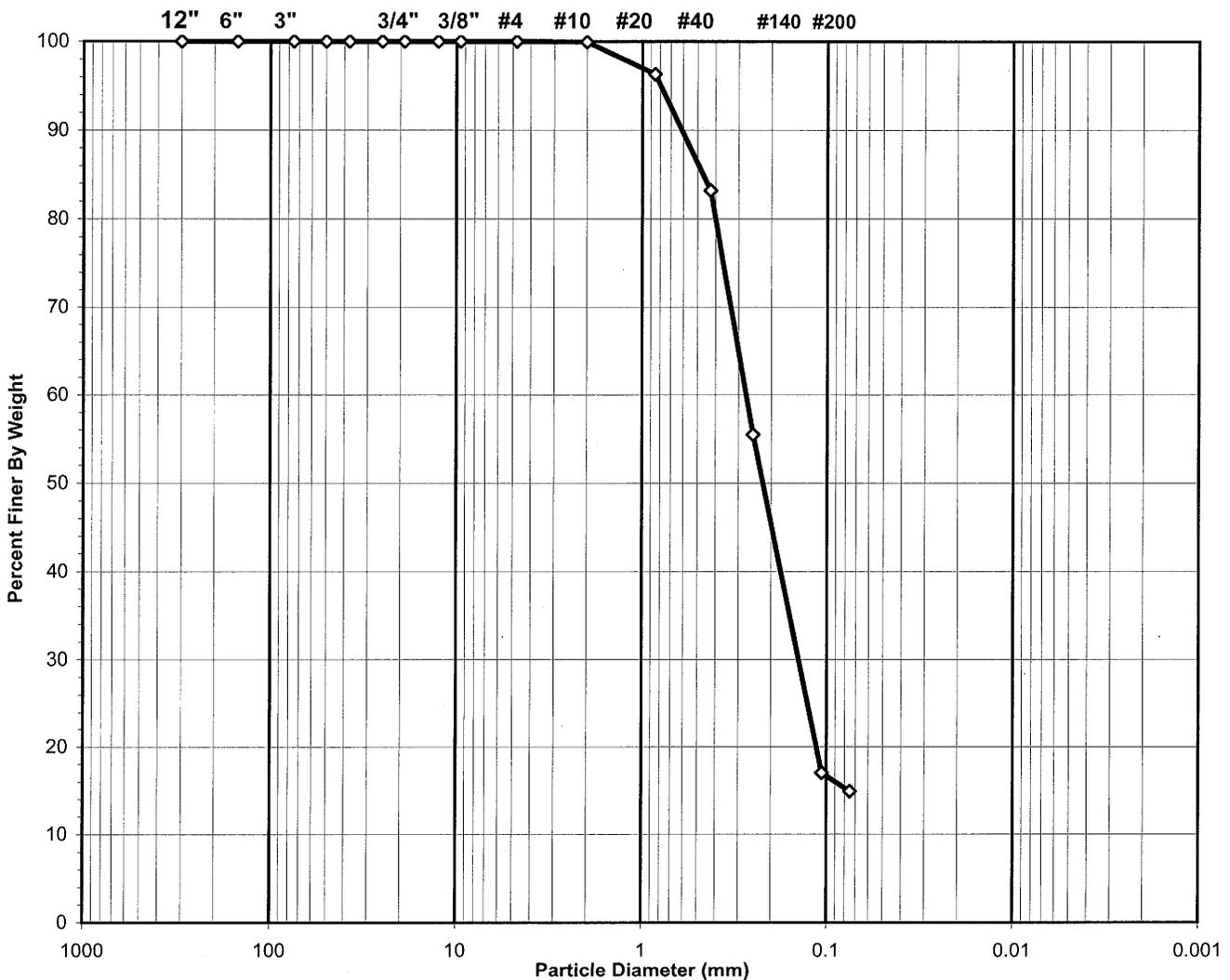
Sieve Size	Sieve Opening (mm)	Wgt. of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.0	0.0	100.0	100.0
6"	150	0.00	0.0	0.0	100.0	100.0
3"	75	0.00	0.0	0.0	100.0	100.0
2"	50	0.00	0.0	0.0	100.0	100.0
1 1/2"	37.5	0.00	0.0	0.0	100.0	100.0
1"	25.0	0.00	0.0	0.0	100.0	100.0
3/4"	19.0	0.00	0.0	0.0	100.0	100.0
1/2"	12.50	0.00	0.0	0.0	100.0	100.0
3/8"	9.50	0.00	0.0	0.0	100.0	100.0
#4	4.75	0.00	0.0	0.0	100.0	100.0
#10	2.00	0.75	0.2	0.2	99.8	99.8
#20	0.850	22.07	6.1	6.3	93.7	93.7
#40	0.425	64.79	17.9	24.2	75.8	75.8
#60	0.250	95.86	26.5	50.8	49.2	49.2
#140	0.106	123.93	34.3	85.1	14.9	14.9
#200	0.075	9.40	2.6	87.7	12.3	12.3
Pan	-	44.60	12.3	100.0	-	-

Tested By SD Date 9/2/2009 Checked By *GM* Date *9-4-09*

SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 5
Lab ID	2009-688-02-05	Soil Color	BROWN

USCS	SIEVE ANALYSIS		HYDROMETER
	gravel	sand	silt and clay



USCS Symbol **SM, TESTED (NON PLASTIC FINES)**

USCS Classification **SILTY SAND**

Tested By SD Date 9/2/2009 Checked By *DEM* Date 9-4-09

WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	PHASE 2A CELL
Client Reference	C&D LANDFILL, INC. - PHASE 2	Depth (ft)	LIFT 1
Project No.	2009-688-02	Sample No.	SAMPLE 5
Lab ID	2009-688-02-05	Soil Color	BROWN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	209	Tare No.	NA
Wgt. Tare + Wet Specimen (gm)	508.09	Wgt. Tare + Wet Specimen (gm)	NA
Wgt. Tare + Dry Specimen (gm)	484.17	Wgt. Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	171.68	Weight of Tare (gm)	NA
Weight of Water (gm)	23.92	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	312.49	Weight of Dry Soil (gm)	NA
Moisture Content (%)	7.7	Moisture Content (%)	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	312.49
Dry Weight - 3/4" Sample (gm)	265.9	Weight of minus #200 material (gm)	46.61
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	265.88
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt. of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.0	0.0	100.0	100.0
6"	150	0.00	0.0	0.0	100.0	100.0
3"	75	0.00	0.0	0.0	100.0	100.0
2"	50	0.00	0.0	0.0	100.0	100.0
1 1/2"	37.5	0.00	0.0	0.0	100.0	100.0
1"	25.0	0.00	0.0	0.0	100.0	100.0
3/4"	19.0	0.00	0.0	0.0	100.0	100.0
1/2"	12.50	0.00	0.0	0.0	100.0	100.0
3/8"	9.50	0.00	0.0	0.0	100.0	100.0
#4	4.75	0.04	0.0	0.0	100.0	100.0
#10	2.00	0.20	0.1	0.1	99.9	99.9
#20	0.850	11.34	3.6	3.7	96.3	96.3
#40	0.425	41.05	13.1	16.8	83.2	83.2
#60	0.250	86.47	27.7	44.5	55.5	55.5
#140	0.106	120.13	38.4	83.0	17.0	17.0
#200	0.075	6.65	2.1	85.1	14.9	14.9
Pan	-	46.61	14.9	100.0	-	-

Tested By SD Date 9/2/2009 Checked By GEM Date 9-4-09



October 28, 2009

Project No. 2009-688-03

Mr. David Garrett, P.G., P.E.
David Garrett & Associates
5105 Harbour Towne Dr.
Raleigh, NC 27604

Transmittal
Laboratory Test Results
C & D Landfill, Inc. – Phase 2

Please find attached the laboratory test results for the above referenced project. The tests were outlined on the Project Verification Form that was faxed to your firm prior to the testing. The testing was performed in general accordance with the methods listed on the enclosed data sheets. The test results are believed to be representative of the samples that were submitted for testing and are indicative only of the specimens which were evaluated. We have no direct knowledge of the origin of the samples and imply no position with regard to the nature of the test results, i.e. pass/fail and no claims as to the suitability of the material for its intended use.

The test data and all associated project information provided shall be held in strict confidence and disclosed to other parties only with authorization by our Client. The test data submitted herein is considered integral with this report and is not to be reproduced except in whole and only with the authorization of the Client and Geotechnics. The remaining sample materials for this project will be retained for a minimum of 90 days as directed by the Geotechnics' Quality Program.

We are pleased to provide these testing services. Should you have any questions or if we may be of further assistance, please contact our office.

Respectively submitted,
Geotechnics, Inc.


Michael P. Smith
Regional Manager

***We understand that you have a choice in your laboratory services
and we thank you for choosing Geotechnics.***

MOISTURE CONTENT
ASTM D 2216 (SOP-S1)

Client DAVID GARRETT
Client Reference C & D LANDFILL, INC. - PH 2
Project No. 2009-688-03

Lab ID	.001	.002	.003
Boring No.	NA	NA	NA
Depth (ft)	NA	NA	NA
Sample No.	6	7	P4
Tare Number	838	842	840
Wt. of Tare & WS (gm)	812.43	709.89	696.78
Wt. of Tare & DS (gm)	750.35	684.83	661.02
Wt. of Tare (gm)	261.57	255.73	262.69
Wt. of Water (gm)	62.08	25.06	35.76
Wt. of DS (gm)	488.78	429.1	398.33
Water Content (%)	12.7	5.8	9.0

Notes : NA

Tested By SD Date 10/28/2009 Checked By *GEM* Date 10-28-09



ATTERBERG LIMIT
ASTM D 4318-00 (SOP - S4)

Client	DAVID GARRETT	Boring No.	NA
Client Reference	C & D LANDFILL, INC. - PH 2	Depth (ft)	NA
Project No.	2009-688-03	Sample No.	6
Lab ID	2009-688-03-01	Visual Description	TAN BROWN (Minus No. 40 sieve material, Wet Method)

**NON - PLASTIC
MATERIAL**

Tested By JBD Date 10/26/2009 Checked By GAN Date 10-27-09



ATTERBERG LIMIT
ASTM D 4318-00 (SOP - S4)

Client	DAVID GARRETT	Boring No.	NA
Client Reference	C & D LANDFILL, INC. - PH 2	Depth (ft)	NA
Project No.	2009-688-03	Sample No.	7
Lab ID	2009-688-03-02	Visual Description	TAN BROWN (Minus No. 40 sieve material, Wet Method)

**NON - PLASTIC
MATERIAL**

Tested By JBD Date 10/26/2009 Checked By GDM Date 10-27-09



ATTERBERG LIMIT
ASTM D 4318-00 (SOP - S4)

Client	DAVID GARRETT	Boring No.	NA
Client Reference	C & D LANDFILL, INC. - PH 2	Depth (ft)	NA
Project No.	2009-688-03	Sample No.	P4
Lab ID	2009-688-03-03	Visual Description	ORANGE TAN (Minus No. 40 sieve material, Wet Method)

**NON - PLASTIC
MATERIAL**

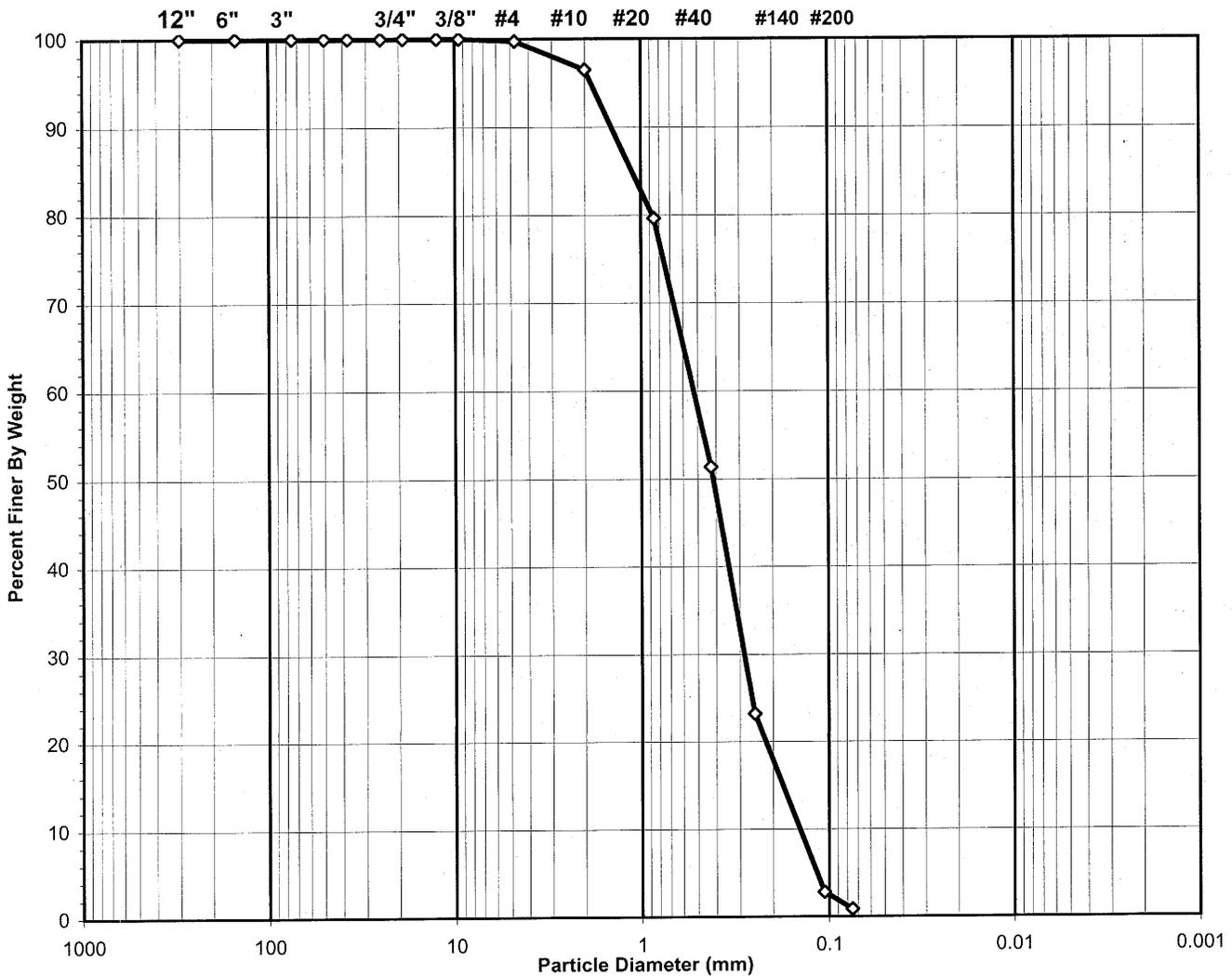
Tested By JBD Date 10/27/2009 Checked By CEM Date 10-28-09

SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client DAVID GARRETT
Client Reference C & D LANDFILL, INC. - PH 2
Project No. 2009-688-03
Lab ID 2009-688-03-01

Boring No. NA
Depth (ft) NA
Sample No. 6
Soil Color TAN BROWN

USCS	SIEVE ANALYSIS		HYDROMETER
	gravel	sand	silt and clay



USCS Symbol *SP, TESTED (NON PLASTIC FINES)* **D60 = 0.5** **CC = 1.1**
USCS Classification *POORLY GRADED SAND* **D30 = 0.3** **CU = 3.7**
D10 = 0.1

Tested By SD Date 10/26/2009 Checked By *GAM* Date 10-27-09



WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client	DAVID GARRETT	Boring No.	NA
Client Reference	C & D LANDFILL, INC. - PH 2	Depth (ft)	NA
Project No.	2009-688-03	Sample No.	6
Lab ID	2009-688-03-01	Soil Color	TAN BROWN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	838	Tare No.	NA
Wgt. Tare + Wet Specimen (gm)	812.43	Wgt. Tare + Wet Specimen (gm)	NA
Wgt. Tare + Dry Specimen (gm)	750.35	Wgt. Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	261.57	Weight of Tare (gm)	NA
Weight of Water (gm)	62.08	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	488.78	Weight of Dry Soil (gm)	NA
Moisture Content (%)	12.7	Moisture Content (%)	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	488.78
Dry Weight - 3/4" Sample (gm)	484.7	Weight of minus #200 material (gm)	4.13
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	484.65
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt. of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.0	0.0	100.0	100.0
6"	150	0.00	0.0	0.0	100.0	100.0
3"	75	0.00	0.0	0.0	100.0	100.0
2"	50	0.00	0.0	0.0	100.0	100.0
1 1/2"	37.5	0.00	0.0	0.0	100.0	100.0
1"	25.0	0.00	0.0	0.0	100.0	100.0
3/4"	19.0	0.00	0.0	0.0	100.0	100.0
1/2"	12.50	0.00	0.0	0.0	100.0	100.0
3/8"	9.50	0.00	0.0	0.0	100.0	100.0
#4	4.75	1.36	0.3	0.3	99.7	99.7
#10	2.00	15.79	3.2	3.5	96.5	96.5
#20	0.850	82.41	16.9	20.4	79.6	79.6
#40	0.425	138.15	28.3	48.6	51.4	51.4
#60	0.250	137.54	28.1	76.8	23.2	23.2
#140	0.106	99.87	20.4	97.2	2.8	2.8
#200	0.075	9.53	1.9	99.2	0.8	0.8
Pan	-	4.13	0.8	100.0	-	-

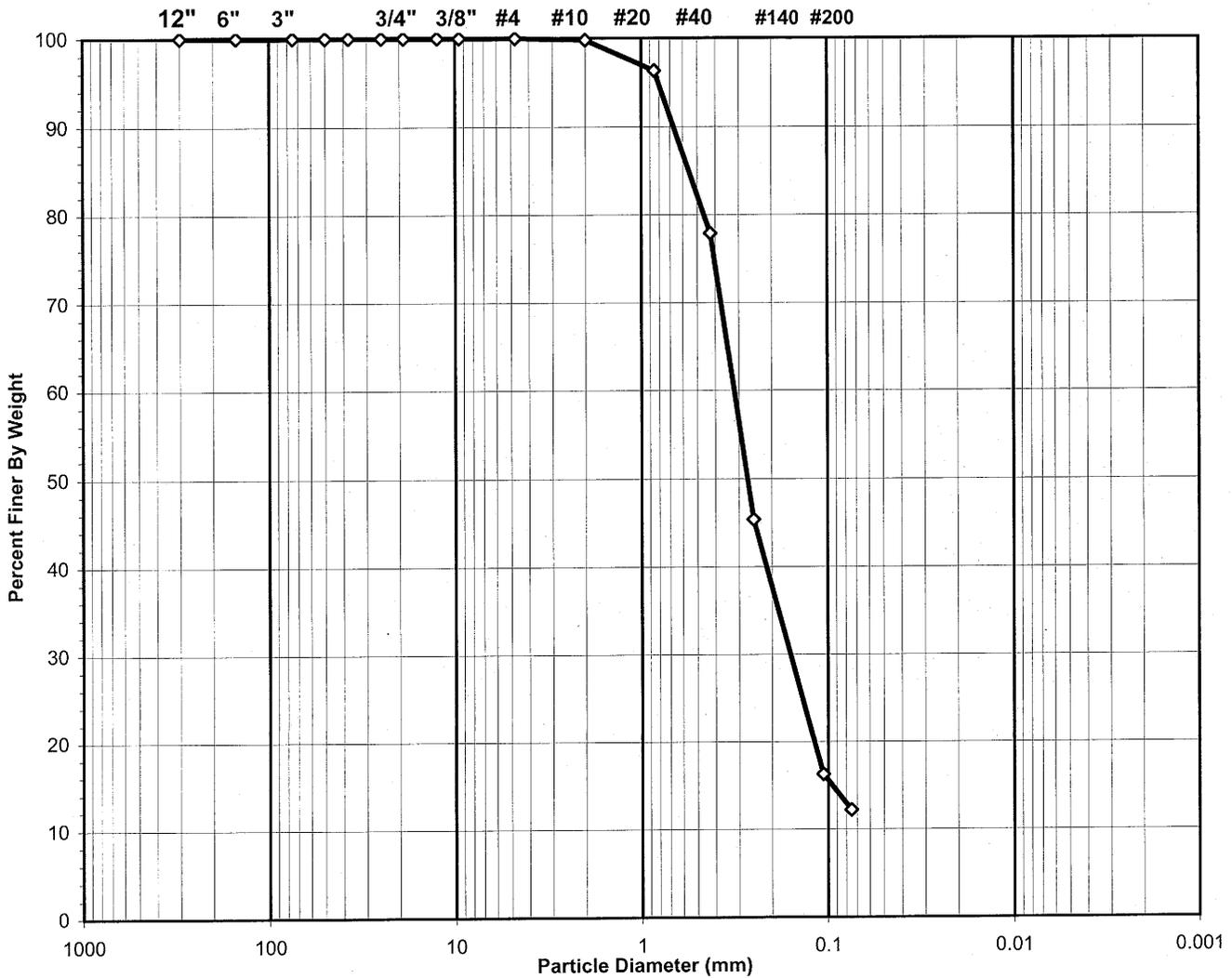
Tested By **SD** Date **10/26/2009** Checked By **GEM** Date **10-27-09**

SIEVE ANALYSIS
ASTM D 422-63 (SOP-S3)

Client DAVID GARRETT
 Client Reference C & D LANDFILL, INC. - PH 2
 Project No. 2009-688-03
 Lab ID 2009-688-03-02

Boring No. NA
 Depth (ft) NA
 Sample No. 7
 Soil Color TAN BROWN

USCS	SIEVE ANALYSIS		HYDROMETER
	gravel	sand	silt and clay



USCS Symbol **SM, TESTED (NON PLASTIC FINES)**

USCS Classification **SILTY SAND**

Tested By SD Date 10/26/2009 Checked By *GEM* Date 10.27.09



WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client DAVID GARRETT
 Client Reference C & D LANDFILL, INC. - PH 2
 Project No. 2009-688-03
 Lab ID 2009-688-03-02

Boring No. NA
 Depth (ft) NA
 Sample No. 7
 Soil Color TAN BROWN

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	842	Tare No.	NA
Wgt. Tare + Wet Specimen (gm)	709.89	Wgt. Tare + Wet Specimen (gm)	NA
Wgt. Tare + Dry Specimen (gm)	684.83	Wgt. Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	255.73	Weight of Tare (gm)	NA
Weight of Water (gm)	25.06	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	429.10	Weight of Dry Soil (gm)	NA
Moisture Content (%)	5.8	Moisture Content (%)	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	429.10
Dry Weight - 3/4" Sample (gm)	376.8	Weight of minus #200 material (gm)	52.28
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	376.82
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

Sieve Size	Sieve Opening (mm)	Wgt. of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.0	0.0	100.0	100.0
6"	150	0.00	0.0	0.0	100.0	100.0
3"	75	0.00	0.0	0.0	100.0	100.0
2"	50	0.00	0.0	0.0	100.0	100.0
1 1/2"	37.5	0.00	0.0	0.0	100.0	100.0
1"	25.0	0.00	0.0	0.0	100.0	100.0
3/4"	19.0	0.00	0.0	0.0	100.0	100.0
1/2"	12.50	0.00	0.0	0.0	100.0	100.0
3/8"	9.50	0.00	0.0	0.0	100.0	100.0
#4	4.75	0.00	0.0	0.0	100.0	100.0
#10	2.00	0.83	0.2	0.2	99.8	99.8
#20	0.850	14.92	3.5	3.7	96.3	96.3
#40	0.425	79.10	18.4	22.1	77.9	77.9
#60	0.250	139.57	32.5	54.6	45.4	45.4
#140	0.106	124.91	29.1	83.7	16.3	16.3
#200	0.075	17.49	4.1	87.8	12.2	12.2
Pan	-	52.28	12.2	100.0	-	-

Tested By SD Date 10/26/2009 Checked By *GEM* Date 10-27-09

WASH SIEVE ANALYSIS

ASTM D 422-63 (SOP-S3)

Client DAVID GARRETT
 Client Reference C & D LANDFILL, INC. - PH 2
 Project No. 2009-688-03
 Lab ID 2009-688-03-03

Boring No. NA
 Depth (ft) NA
 Sample No. P4
 Soil Color **ORANGE TAN**

Moisture Content of Passing 3/4" Material		Water Content of Retained 3/4" Material	
Tare No.	840	Tare No.	NA
Wgt. Tare + Wet Specimen (gm)	696.78	Wgt. Tare + Wet Specimen (gm)	NA
Wgt. Tare + Dry Specimen (gm)	661.02	Wgt. Tare + Dry Specimen (gm)	NA
Weight of Tare (gm)	262.69	Weight of Tare (gm)	NA
Weight of Water (gm)	35.76	Weight of Water (gm)	NA
Weight of Dry Soil (gm)	398.33	Weight of Dry Soil (gm)	NA
Moisture Content (%)	9.0	Moisture Content (%)	NA

Wet Weight -3/4" Sample (gm)	NA	Weight of the Dry Specimen (gm)	398.33
Dry Weight - 3/4" Sample (gm)	303.4	Weight of minus #200 material (gm)	94.93
Wet Weight +3/4" Sample (gm)	NA	Weight of plus #200 material (gm)	303.40
Dry Weight + 3/4" Sample (gm)	0.00		
Total Dry Weight Sample (gm)	NA		

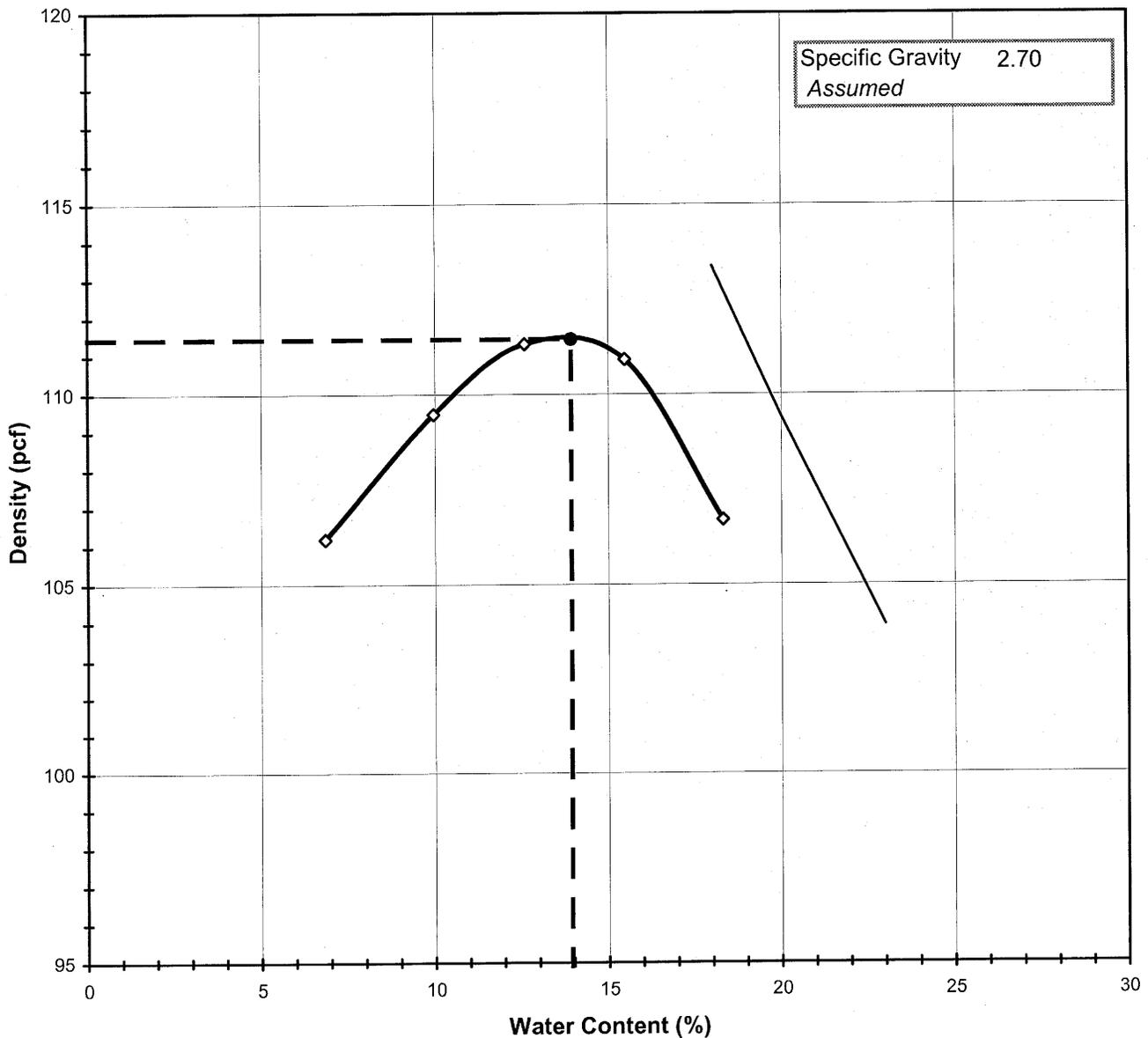
Sieve Size	Sieve Opening (mm)	Wgt. of Soil Retained (gm)	Percent Retained (%)	Accumulated Percent Retained (%)	Percent Finer (%)	Accumulated Percent Finer (%)
12"	300	0.00	0.0	0.0	100.0	100.0
6"	150	0.00	0.0	0.0	100.0	100.0
3"	75	0.00	0.0	0.0	100.0	100.0
2"	50	0.00	0.0	0.0	100.0	100.0
1 1/2"	37.5	0.00	0.0	0.0	100.0	100.0
1"	25.0	0.00	0.0	0.0	100.0	100.0
3/4"	19.0	0.00	0.0	0.0	100.0	100.0
1/2"	12.50	0.00	0.0	0.0	100.0	100.0
3/8"	9.50	0.00	0.0	0.0	100.0	100.0
#4	4.75	0.50	0.1	0.1	99.9	99.9
#10	2.00	2.14	0.5	0.7	99.3	99.3
#20	0.850	16.47	4.1	4.8	95.2	95.2
#40	0.425	47.81	12.0	16.8	83.2	83.2
#60	0.250	91.25	22.9	39.7	60.3	60.3
#140	0.106	113.20	28.4	68.1	31.9	31.9
#200	0.075	32.03	8.0	76.2	23.8	23.8
Pan	-	94.93	23.8	100.0	-	-

Tested By SD Date 10/28/2009 Checked By *GEM* Date 10-28-09

MOISTURE DENSITY RELATIONSHIP
ASTM D698-91 SOP-S12

Client	DAVID GARRETT	Boring No.	NA
Client Reference	C & D LANDFILL INC.-PH.2	Depth (ft)	NA
Project No.	2009-688-03	Sample No.	P4
Lab ID	2009-688-03-03	Test Method	STANDARD
Visual Description	ORANGE BROWN SILTY SAND		

Optimum Water Content **13.9**
Maximum Dry Density **111.5**



Tested By SD Date 10/27/2009 Checked By GAM Date 10-28-09

MOISTURE - DENSITY RELATIONSHIP

ASTM D698-91 SOP-S12

Client	DAVID GARRETT	Boring No.	NA
Client Reference	C & D LANDFILL INC.-PH.2	Depth (ft)	NA
Project No.	2009-688-03	Sample No.	P4
Lab ID	2009-688-03-03		

Visual Description ORANGE BROWN SILTY SAND

Total Weight of the Sample (gm)	33130
As Received Water Content(%)	NA
Assumed Specific Gravity	2.70
Percent Retained on 3/4"	NA
Percent Retained on 3/8"	NA
Percent Retained on #4	NA
Oversize Material	Not included
Procedure Used	A

TestType	STANDARD	
Rammer Weight (lbs)		5.5
Rammer Drop (in)		12
Rammer Type	MECHANICAL	
Machine ID	R	174
Mold ID	R	172
Mold diameter		4"
Weight of the Mold		4314
Volume of the Mold(cc)		942

Mold / Specimen

Point No.	1	2	3	4	5
Wt. of Mold & WS (gm)	6027	6131	6206	6248	6220
Wt. of Mold (gm)	4314	4314	4314	4314	4314
Wt. of WS	1713	1817	1892	1934	1906
Mold Volume (cc)	942	942	942	942	942

Moisture Content / Density

	399	307	Z-14	A-1	B-4
Tare Number					
Wt. of Tare & WS (gm)	427.20	449.60	551.70	579.10	505.80
Wt. of Tare & DS (gm)	405.34	418.91	501.22	514.66	442.83
Wt. of Tare (gm)	86.10	110.70	100.60	98.40	99.00
Wt. of Water (gm)	21.86	30.69	50.48	64.44	62.97
Wt. of DS (gm)	319.24	308.21	400.62	416.26	343.83

Wet Density (gm/cc)	1.82	1.93	2.01	2.05	2.02
Wet Density (pcf)	113.5	120.4	125.3	128.1	126.2
Moisture Content (%)	6.8	10.0	12.6	15.5	18.3
Dry Density (pcf)	106.2	109.5	111.3	110.9	106.7

Zero Air Voids

Moisture Content (%)	18.0	20.0	23.0
Dry Unit Weight (pcf)	113.4	109.4	103.9

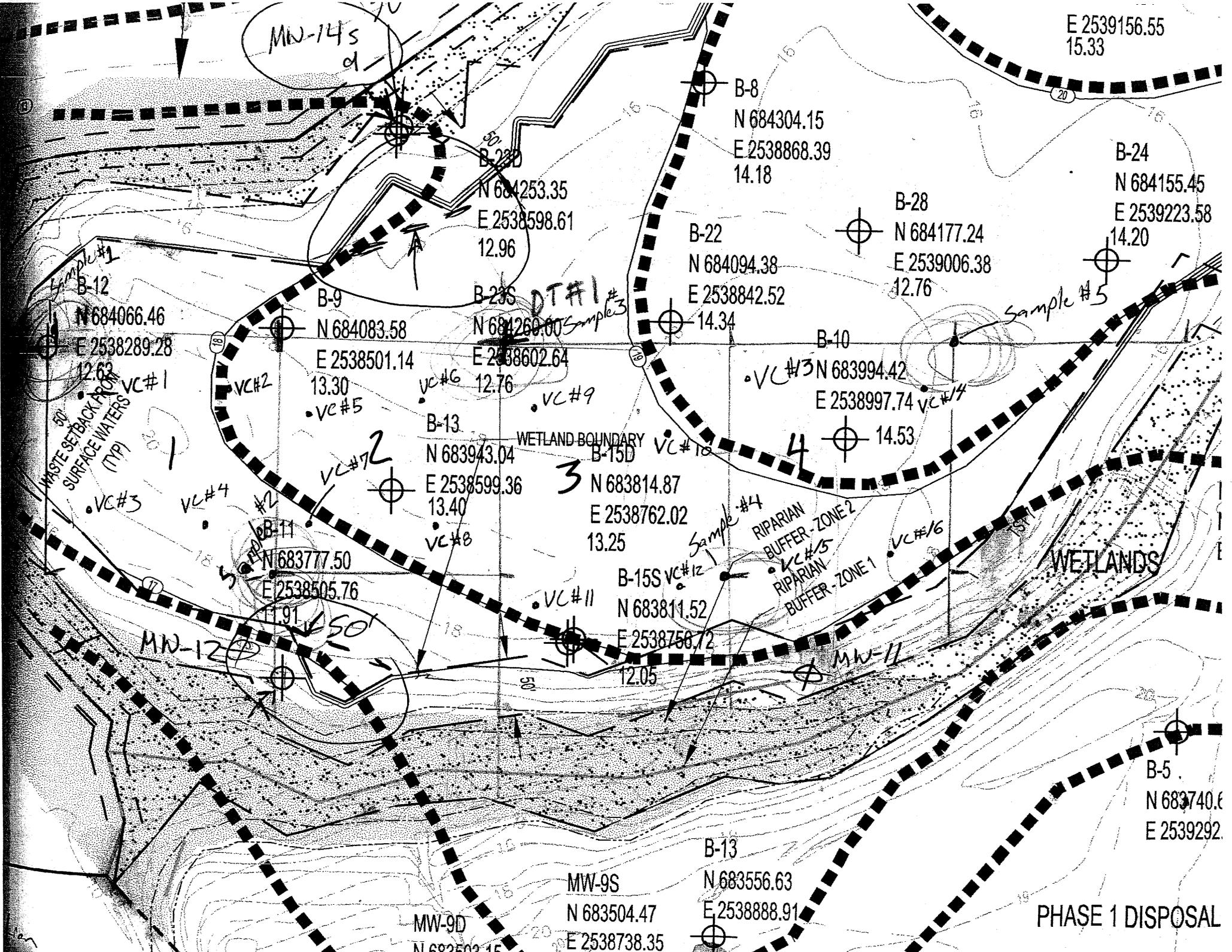
Tested By SD Date 10/27/2009 Checked By *GEM* Date 10-28-09

Day: Wednesday
 Date: 8/29/2009
 Log No.: 1
 Page: 1 of 1



Daily Field Activity Log

Project Name:	David Garrett EJE C&D Land Fill	Project No.:	2009-688																																								
Client Name:	David Garrett and Associates	Client Contact:	David Garrett																																								
Site Location:	Greenville, NC	Time on Site:	Arrived: 10:00 Departed: 2:00																																								
General Contract	EJE Land Fill	Superintendent:	NA																																								
Other Firms / Sub-Contractor Represented On Site																																											
<u>Firm / Sub-Contractor</u>		<u>Representative's Name and Title</u>																																									
Weather Conditions:	Sunny	Temperature:	92																																								
Contractor's Equipment:	NA																																										
Contractor's Personnel:	NA																																										
Description of Daily Activities & Events																																											
<ul style="list-style-type: none"> J. Patton arrived on site at 10:00 am and met with David Garrett. David Garrett gave a short briefing of the project and testing requirements. David Garrett and J. Patton walked the site and set up the testing grid as seen on the construction drawings. David Garrett departed site at approximately 12:00 pm. J. Patton performed 4 visual classifications per acre across cell 1, naming the visual classifications as VC and then numbered sequentially. <table border="1" style="margin-left: 20px;"> <tr> <td>VC 1</td><td>SM</td> <td>VC 6</td><td>SM</td> <td>VC 11</td><td>SM</td> <td>VC 16</td><td>SM</td> </tr> <tr> <td>VC 2</td><td>SM</td> <td>VC 7</td><td>SM</td> <td>VC 12</td><td>SM</td> <td></td><td></td> </tr> <tr> <td>VC 3</td><td>SM</td> <td>VC 8</td><td>SM</td> <td>VC 13</td><td>SM</td> <td></td><td></td> </tr> <tr> <td>VC 4</td><td>SM</td> <td>VC 9</td><td>SM</td> <td>VC 14</td><td>SM</td> <td></td><td></td> </tr> <tr> <td>VC 5</td><td>SM</td> <td>VC 10</td><td>SM</td> <td>VC 15</td><td>SM</td> <td></td><td></td> </tr> </table> J. Patton then performed rapid nuclear density testing at the required frequency of one test per acre that had fill. The only area that had fill was acre 2. Acre 2 was tested with a result of 84.7 percent compaction. J. Patton also obtained 5 small bulk samples for lab testing. J. Patton departed site at approximately 2:00 PM. 				VC 1	SM	VC 6	SM	VC 11	SM	VC 16	SM	VC 2	SM	VC 7	SM	VC 12	SM			VC 3	SM	VC 8	SM	VC 13	SM			VC 4	SM	VC 9	SM	VC 14	SM			VC 5	SM	VC 10	SM	VC 15	SM		
VC 1	SM	VC 6	SM	VC 11	SM	VC 16	SM																																				
VC 2	SM	VC 7	SM	VC 12	SM																																						
VC 3	SM	VC 8	SM	VC 13	SM																																						
VC 4	SM	VC 9	SM	VC 14	SM																																						
VC 5	SM	VC 10	SM	VC 15	SM																																						
Prepared By:	JP	Date:	8/29/2009																																								
Checked By:	<i>MMS</i>	Date:	9-4-09																																								



E 2539156.55
15.33

B-8
N 684304.15
E 2538868.39
14.18

B-24
N 684155.45
E 2539223.58
14.20

B-28
N 684177.24
E 2539006.38
12.76

B-22
N 684094.38
E 2538842.52
14.34

B-10
N 683994.42
E 2538997.74
14.53

B-23D
N 684253.35
E 2538598.61
12.96

B-23S
N 684260.00
E 2538602.64
12.76

B-9
N 684083.58
E 2538501.14
13.30

B-13
N 683943.04
E 2538599.36
13.40

B-15D
N 683814.87
E 2538762.02
13.25

B-15S
N 683811.52
E 2538750.72
12.05

B-5
N 683740.6
E 2539292

B-13
N 683556.63
E 2538888.91

MW-9S
N 683504.47
E 2538738.35

MW-9D
N 683503.15

PHASE 1 DISPOSAL

MW-14S

MW-12

MW-11

WASTE SETBACK FROM SURFACE WATERS (TYP)

WETLAND BOUNDARY

RIPARIAN BUFFER - ZONE 1
RIPARIAN BUFFER - ZONE 2

WETLANDS

DT#1

Sample 3

Sample #5

Sample #4

VC#1

VC#2

VC#5

VC#6

VC#9

VC#10

VC#13

VC#14

VC#3

VC#4

VC#11

VC#8

VC#11

VC#16

B-11

N 683777.50

E 2538505.76

11.91

VC#7

VC#2

VC#12

VC#15

VC#16

VC#17

VC#18

VC#19

VC#20

VC#21

VC#22

VC#23

VC#24

VC#25

VC#26

VC#27

VC#28

VC#29

VC#30

VC#31

VC#32

VC#33

VC#34

VC#35

VC#36

VC#37

VC#38

VC#39

VC#40

VC#41

VC#42

VC#43

VC#44

VC#45

VC#46

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VC#48

VC#49

VC#50

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VC#66

VC#67

VC#68

VC#69

VC#70

VC#71

VC#72

VC#73

VC#74

VC#75

VC#76

VC#77

VC#78

VC#79

VC#80

VC#81

VC#82

VC#83

VC#84

VC#85

VC#86

VC#87

VC#88

VC#89

VC#90

VC#91

VC#92

VC#93

VC#94

VC#95

VC#96

VC#97

VC#98

VC#99

VC#100

Day: Thursday
 Date: 10/22/2009
 Log No.: 2
 Page: 1 of 1



Daily Field Activity Log

Project Name:	David Garrett EJE C&D Land Fill	Project No.:	2009-688										
Client Name:	David Garrett and Associates	Client Contact:	David Garrett										
Site Location:	Greenville, NC	Time on Site:	Arrived: 9:00 Departed: 1:00										
General Contract:	EJE Land Fill	Superintendent:	NA										
Other Firms / Sub-Contractor Represented On Site													
<u>Firm / Sub-Contractor</u>		<u>Representative's Name and Title</u>											
Weather Conditions:	Sunny	Temperature:	~75										
Contractor's Equipment:	NA												
Contractor's Personnel:	NA												
Description of Daily Activities & Events													
<ul style="list-style-type: none"> ▪ J. Patton arrived on site at 9:00 am and met with David Garrett. ▪ David Garrett gave a short breifing of the site conditions. ▪ J. Patton walked the site and set up the testing grid as seen on the construction drawings. ▪ J. Patton performed 4 visual classifications per acre across cell 1, naming the visual classifications as VC and then numbered sequentially. ▪ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">VC 17</td> <td style="width: 50%;">SM</td> </tr> <tr> <td>VC 18</td> <td>SM</td> </tr> <tr> <td>VC 19</td> <td>SM</td> </tr> <tr> <td>VC 20</td> <td>SM</td> </tr> <tr> <td>VC 21</td> <td>SM</td> </tr> </table> <ul style="list-style-type: none"> ▪ J. Patton then performed rapid nuclear density testing at the required frequency of one test per acre that had fill. (Retesting Density test 1 and testing density tests 2 and 3) ▪ All tests were found to be failing the minimum percent compaction requirement of 95%. As a result, J. Patton obtained a bulk sample for lab testing. ▪ J. Patton also obtained 2 small samples for lab testing. (Samples 6 and 7) ▪ J. Patton departed site at approximately 1:00 PM. 				VC 17	SM	VC 18	SM	VC 19	SM	VC 20	SM	VC 21	SM
VC 17	SM												
VC 18	SM												
VC 19	SM												
VC 20	SM												
VC 21	SM												
Prepared By:	JP	Date:	10/22/2009										
Checked By:	<i>MMS</i>	Date:	12-2-09										

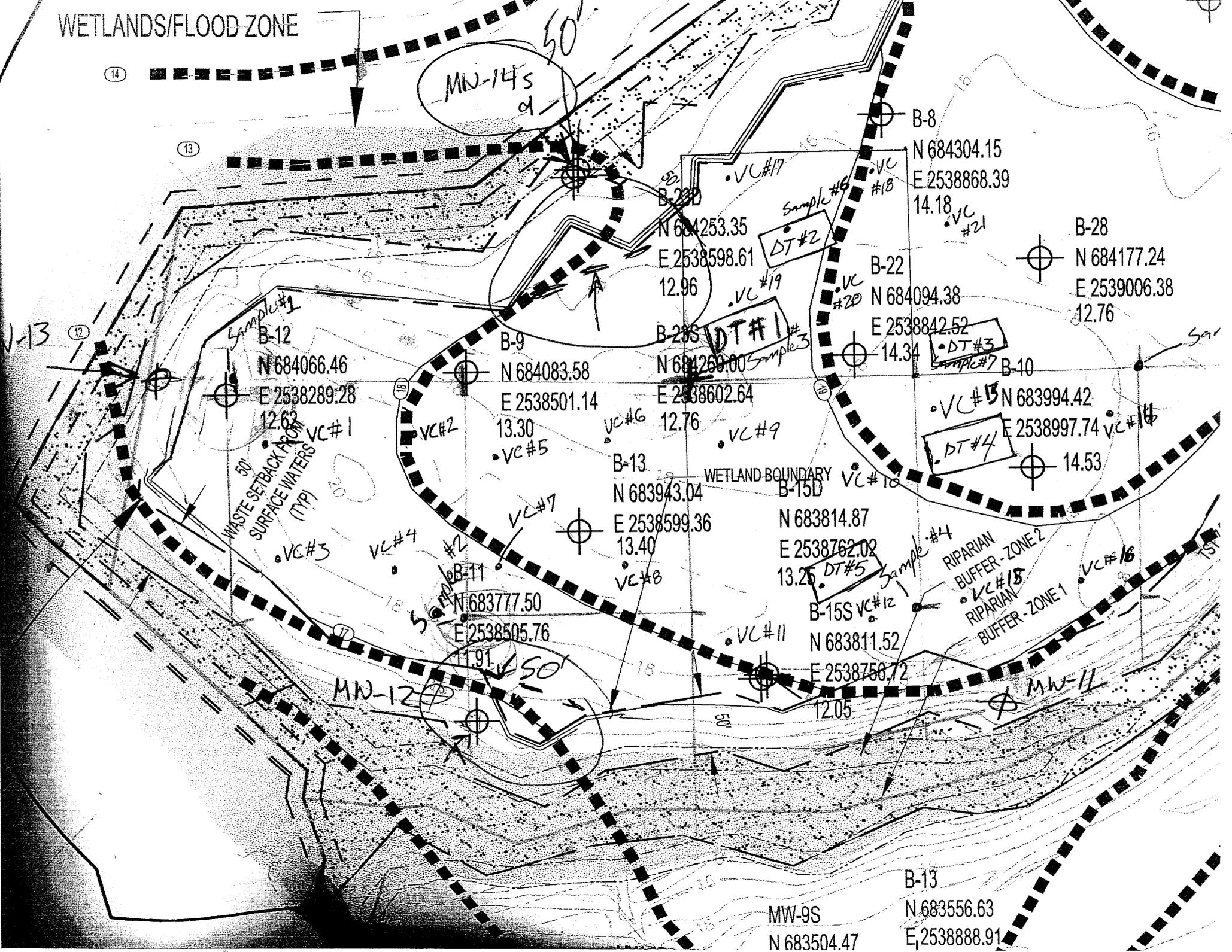
Day: Tuesday
 Date: 11/17/09
 Log No.: 3
 Page: 1



Daily Field Activity Log

Project Name:	David Garrett - EJE C&D Landfill	Project No.:	2009-688
Client Name:	David Garrett	Client Contact:	David Garrett
Site Location:	Greenville, NC	Time on Site:	Arrived: 9:00 Departed: 1:00
General Contractor:	EJE	Superintendent:	
Other Firms / Sub-Contractor Represented On Site			
<u>Firm / Sub-Contractor</u>		<u>Representative's Name and Title</u>	
Weather Conditions:	Sunny	Temperature:	~65
Contractor's Equipment:			
Contractor's Personnel:			
Description of Daily Activities & Events			
<ul style="list-style-type: none"> ▪ J. Patton arrived onsite. ▪ J. Patton met with Wayne of EJE to discuss site progress. EJE had reworked and recompacted fill areas using a four wheel sheepsfoot compactor. ▪ J. Patton performed nuclear density testing: retesting failed density tests 1,2, and 3, as well as performing density test 4 and 5. ▪ All density tests met the minimum 95% compaction requirement. ▪ J. Patton departed site approximately 1:00 pm. 			
Prepared By:	Initial	Date:	Date
		Checked By:	<i>MMI</i>
		Date:	<i>12-2-09</i>

WETLANDS/FLOOD ZONE



MW-14S
50'

WASTE SETBACK FROM
SURFACE WATERS
(TYP)

RIPARIAN
BUFFER-ZONE 2
VC#18
RIPARIAN
BUFFER-ZONE 1

14

13

12

11

10

9

8

7

6

5

B-8
N 684304.15
E 2538868.39
14.18
VC#21

B-28
N 684177.24
E 2539006.38
12.76

B-22
N 684094.38
E 2538842.52
14.34
DT#3
Sample#7

B-10
N 683994.42
E 2538997.74
14.53
VC#14

B-22
N 684253.35
E 2538598.61
12.96
VC#19

B-23
N 684269.00
E 2538602.64
12.76
VC#9

B-13
N 683943.04
E 2538599.36
13.40
VC#8

B-15S
N 683814.87
E 2538762.02
13.25
DT#5
Sample#4

B-15S
N 683811.52
E 2538756.72
12.05
VC#11

B-9
N 684083.58
E 2538501.14
13.30
VC#5

B-12
N 684066.46
E 2538289.28
12.63
VC#1

B-11
N 683777.50
E 2538505.76
11.91
VC#3

MW-9S
N 683504.47

B-13
N 683556.63
E 2538888.91

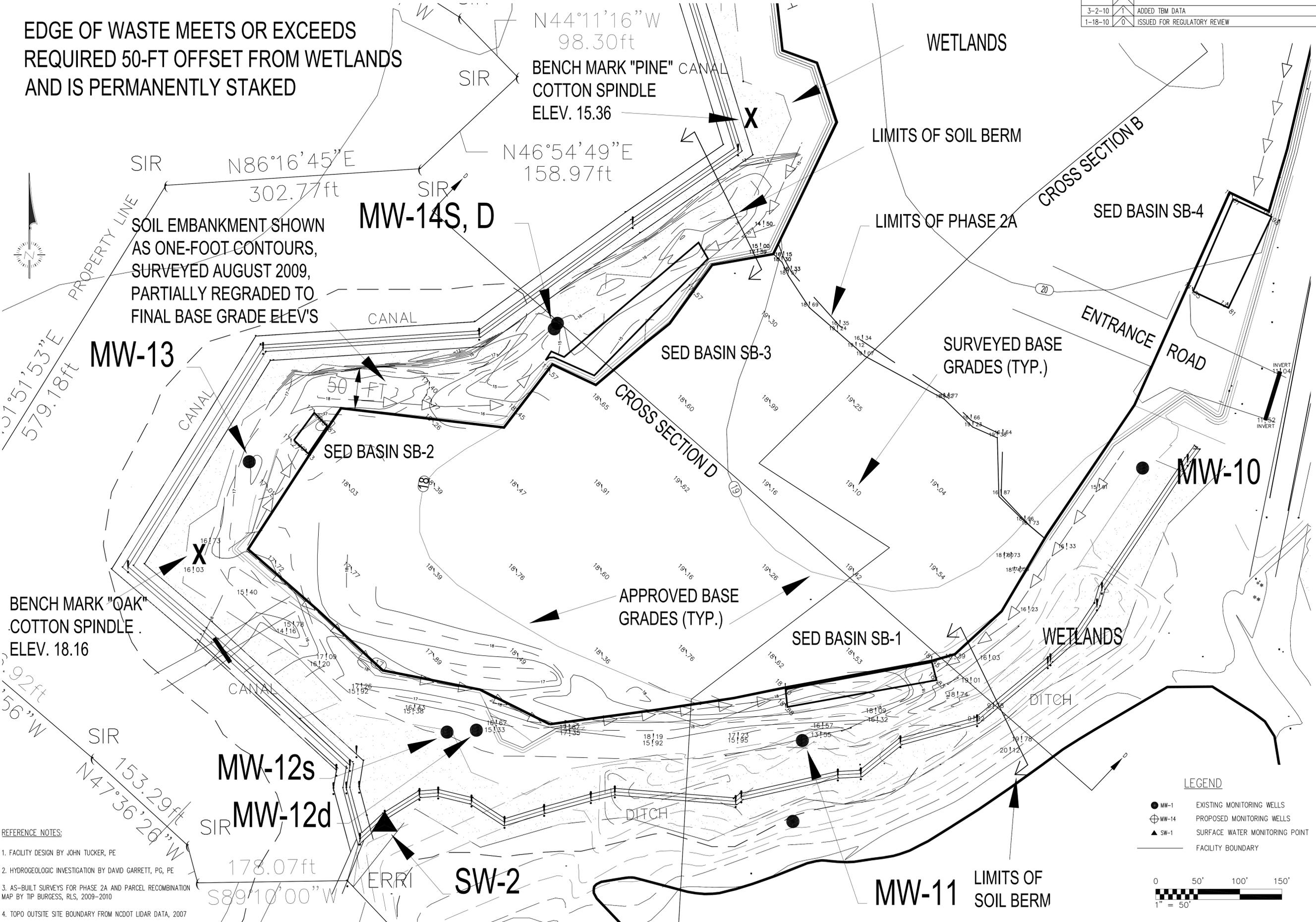
MW-12

MW-11

DATE	NO.	REVISION
3-2-10	1	ADDED TBM DATA
1-18-10	0	ISSUED FOR REGULATORY REVIEW

EDGE OF WASTE MEETS OR EXCEEDS
REQUIRED 50-FT OFFSET FROM WETLANDS
AND IS PERMANENTLY STAKED

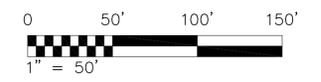
SOIL EMBANKMENT SHOWN
AS ONE-FOOT CONTOURS,
SURVEYED AUGUST 2009,
PARTIALLY REGRADED TO
FINAL BASE GRADE ELEV'S



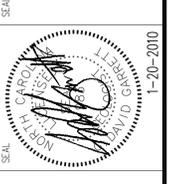
- REFERENCE NOTES:
- FACILITY DESIGN BY JOHN TUCKER, PE
 - HYDROGEOLOGIC INVESTIGATION BY DAVID GARRETT, PG, PE
 - AS-BUILT SURVEYS FOR PHASE 2A AND PARCEL RECOMBINATION MAP BY TIP BURGESS, RLS, 2009-2010
 - TOPO OUTSIDE SITE BOUNDARY FROM NCDOT LIDAR DATA, 2007

LEGEND

- MW-1 EXISTING MONITORING WELLS
- ⊕ MW-14 PROPOSED MONITORING WELLS
- ▲ SW-1 SURFACE WATER MONITORING POINT
- FACILITY BOUNDARY



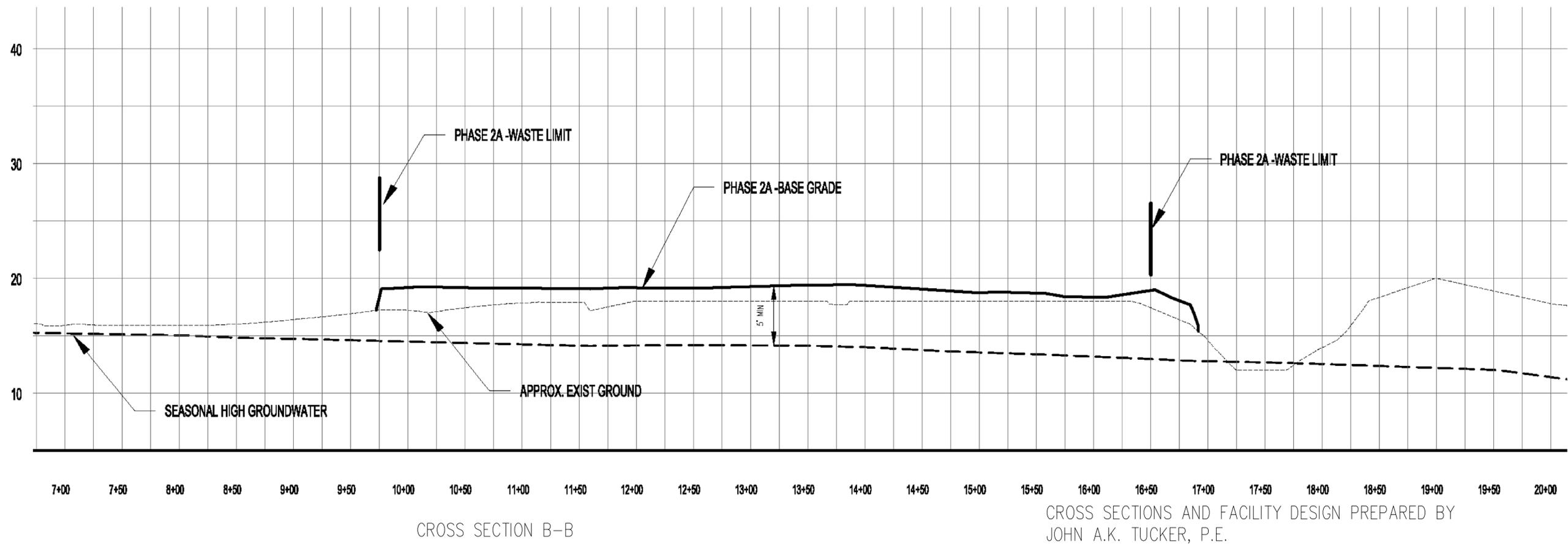
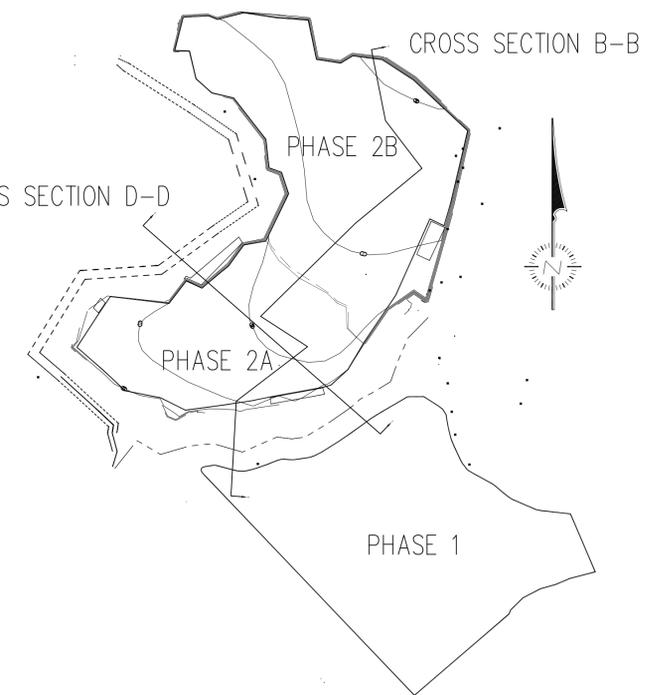
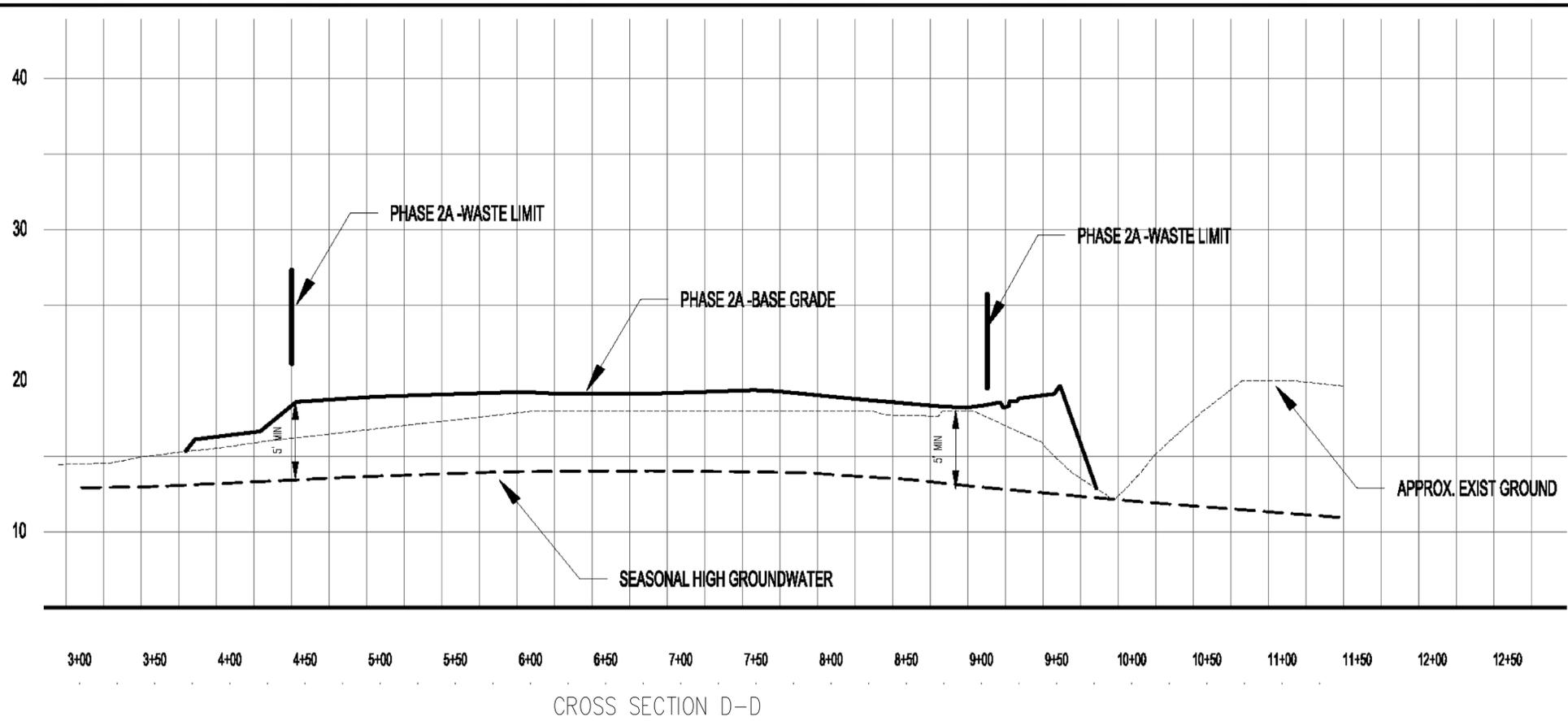
David Garrett & Associates
Engineering and Geology
5105 Harbor Towne Drive, Raleigh, North Carolina 27604
Email: david.garrett@garrettandassociates.com 919-231-8188 (Office and Fax) 919-418-4375 (mobile)



C&D LANDFILL, INC.
PERMIT TO OPERATE
PITT COUNTY, NC
PERMIT #74-07

DETAIL PLAN VIEW
PHASE 2A AS-BUILT
JANUARY 2010

DESIGNED BY: G.D.G.	DRAWN BY: G.D.G.
CHECKED BY: J.A.T.	PROJECT NO.: CDLF-3
SCALE: AS SHOWN	DATE: JANUARY 2010
FILE NAME: C&D LANDFILL PH2A AS-BUILT	SHEET NO. DRAWING NO.
2	AB2



CROSS SECTIONS AND FACILITY DESIGN PREPARED BY
JOHN A.K. TUCKER, P.E.

DATE	NO.	REVISION

David Garrett & Associates
Engineering and Geology
5105 Harbor Towne Drive, Raleigh, North Carolina 27604
Email: david_garrett@garrettandassociates.com 919-231-1818 (Office and Fax) 919-418-4375 (mobile)

C&D LANDFILL, INC.
PERMIT TO OPERATE
PITT COUNTY, NC
PERMIT #74-07

CROSS SECTION VIEW
PHASE 2A AS-BUILT
JANUARY 2010

DESIGNED BY: G.D.G.	DRAWN BY: G.D.G.
CHECKED BY: J.A.T.	PROJECT NO.: CDLF-3
SCALE: AS SHOWN	DATE: JANUARY 2010
FILE NAME: C&D LANDFILL PH2A AS-SUILT	SHEET NO.: 3
DRAWING NO.:	DRAWING NO.: AB3

PROJECT TITLE: C&D LANDFILL, INC. PERMIT TO OPERATE PITT COUNTY, NC PERMIT #74-07

DRAWING TITLE: CROSS SECTION VIEW PHASE 2A AS-BUILT JANUARY 2010

DESIGNED BY: G.D.G. DRAWN BY: G.D.G.

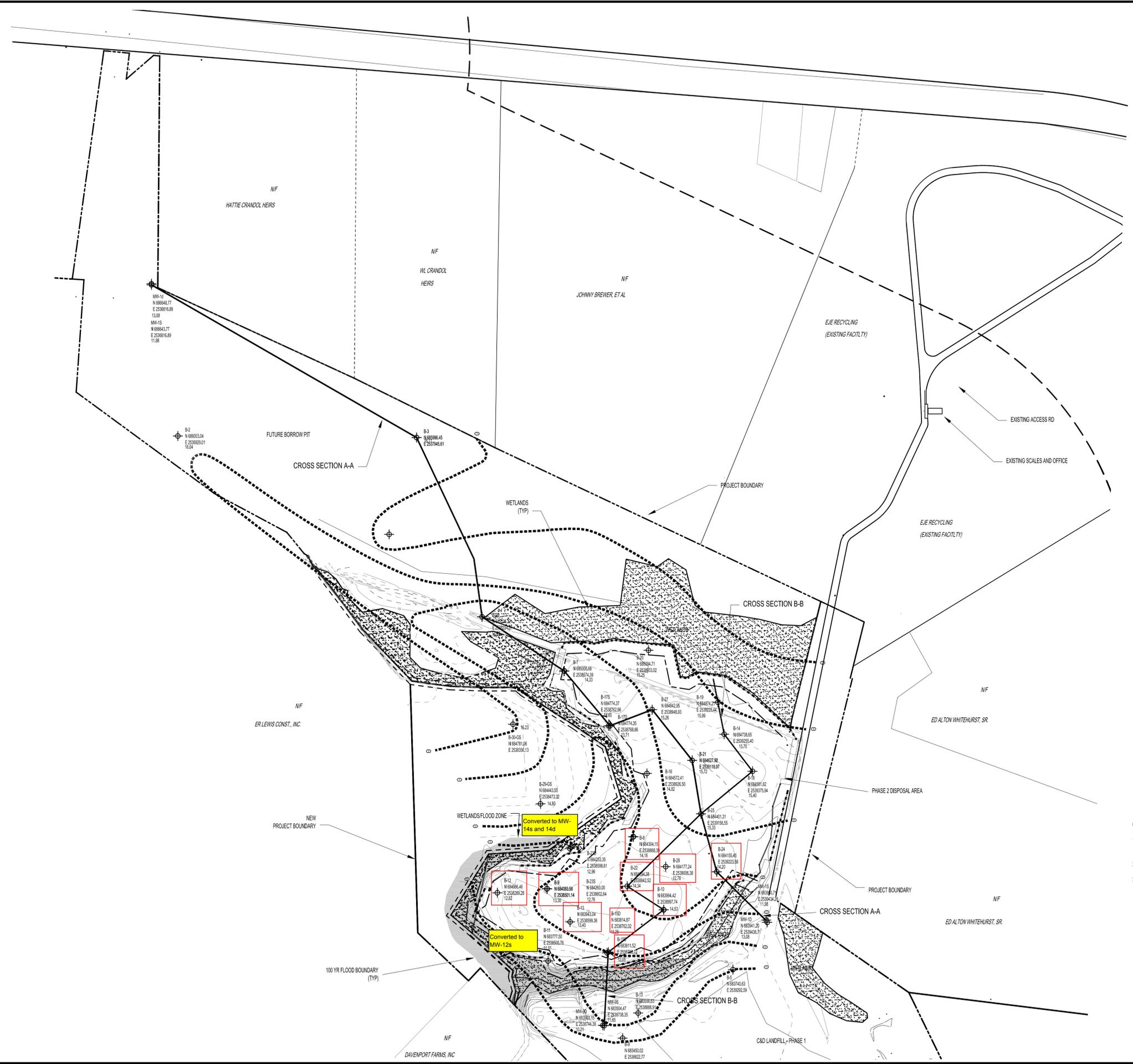
CHECKED BY: J.A.T. PROJECT NO.: CDLF-3

SCALE: AS SHOWN DATE: JANUARY 2010

FILE NAME: C&D LANDFILL PH2A AS-SUILT

SHEET NO.: 3 DRAWING NO.: AB3

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER DAVID GARRETT T-31-2010

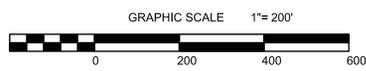


LEGEND

EXIST GROUND	18
GROUND WATER	18
PROPOSED GRADE	18
DIVERSION BERM	<<<
SILT FENCE	X
WETLANDS	[Stippled pattern]
FLOOD ZONE	[Solid grey]

- GENERAL NOTES:
- Boundary, topographic and wetland information taken from maps prepared by James A. Burgess, PLS, P.O. Box 981, Greenville, NC 27834, 252-758-4900
 - All work shall be in accordance with applicable Federal, State and Local regulations.
 - Contractor shall at all times maintain adequate safety measures, activities, and barricades, for the protection of all persons on or about the site.
 ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH DIVISION OF THE NC DEPARTMENT OF LABOR.

Contractor shall be responsible for the design of adequate shoring and bracing in all trenches and excavations that are a part of the construction operations of this project. Contractor shall be responsible for installation and maintenance of adequate shoring and bracing, and the protection of all persons and property on or about the site.



NO.	REVISION/DESCRIPTION	DATE	BY
1	REVISION PER DSNV COMMENTS	05-26-08	
1	Cross Section Line added	3-11-08	



MW-B-8

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2494

1. WELL CONTRACTOR:

DEMAREST
Well Contractor (Individual) Name
BORE! CORE INC
Well Contractor Company Name
STREET ADDRESS 2817 BREWTON PLACE
RALEIGH N.C. 27604
City or Town State Zip Code
(919) - 872-9551
Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW-B-8
STATE WELL PERMIT # (if applicable) N/A
COUNTY WELL PERMIT # (if applicable) N/A
DWQ or OTHER PERMIT # (if applicable) N/A
WELL USE (Circle applicable use): [X] Monitoring [] Residential
[] Municipal/Public [] Industrial/Commercial [] Agricultural
[] Recovery [] Injection [] Irrigation
[] Other (list use)

3. WELL LOCATION:

COUNTY Pitt QUADRANGLE NAME
NEAREST TOWN: Greenville N.C.
EJE Recycling, 802 Recycling Lane 27834
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)
TOPOGRAPHIC / LAND SETTING:
[] Slope [] Valley [X] Flat [] Ridge [] Other
(Latitude/longitude source: [] GPS [] Topographic map
(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

May be in degrees, minutes, seconds, or in a decimal format

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID #(if applicable) E.I.E
NAME OF FACILITY E.I.E Recycling Landfill
STREET ADDRESS 802 Recycling Lane
Greenville N.C. 27834
City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME E.I.E Recycling
STREET ADDRESS 802 Recycling Lane
Greenville N.C. 27834
City or Town State Zip Code
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 15.0 ft. Diameter: 2" in.
b. Water Level (Below Measuring Point): 3.1 ft.
Measuring point is 0 ft. above land surface.

6. CASING: Length Diameter

AND SCREEN
a. Casing Depth (if known): 15.0 ft. 2" in.
b. Casing Removed: 15.0 ft. 2" in.

7. DISINFECTION: NO

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement Sand Cement
Cement lb. Cement lb.
Water gal. Water gal.
Bentonite
Bentonite lb.
Type: Slurry Pellets
Water gal.
Other

Type material Best Grout. 50 lb To
Amount 30 Gal of H2O, Cap
Top with Portland

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Place Trunc Pipe to T.O. of well,
Grouted to surface, over 2"
well to T.O. Grouted from T.O.
to ground surface, cap top w/ concrete

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 8-11-09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR 8/15/09 DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

DEMAREST
PRINTED NAME OF PERSON ABANDONING THE WELL



MW-B-9

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2494

1. WELL CONTRACTOR:

DEMAREST

Well Contractor (Individual) Name

BORE! CORE INC

Well Contractor Company Name

STREET ADDRESS 2817 BREWTON PLACE

RALEIGH N.C. 27604

City or Town State Zip Code

(919) - 872-9551

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW-B-9

STATE WELL PERMIT # (if applicable) N/A

COUNTY WELL PERMIT # (if applicable) N/A

DWQ or OTHER PERMIT # (if applicable) N/A

WELL USE (Circle applicable use): Monitoring Residential

Municipal/Public Industrial/Commercial Agricultural

Recovery Injection Irrigation

Other (list use) _____

3. WELL LOCATION:

COUNTY Pitt QUADRANGLE NAME _____

NEAREST TOWN: Greenville N.C.
EJE Recycling, 802 Recycling Lane 27834

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

Slope Valley Flat Ridge Other _____
(Circle appropriate setting)

LATITUDE _____

May be in degrees, minutes, seconds, or in a decimal format

LONGITUDE _____

Latitude/longitude source: GPS Topographic map

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable) EJE

NAME OF FACILITY EJE Recycling Landfill

STREET ADDRESS 802 Recycling Lane

Greenville N.C. 27834
City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME EJE Recycling

STREET ADDRESS 802 Recycling Lane

Greenville N.C. 27834
City or Town State Zip Code

() - _____
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 20.0 ft. Diameter: 2" in.

b. Water Level (Below Measuring Point): 5.7 ft.

Measuring point is 0 ft. above land surface.

6. CASING: Length Diameter

AND SCREEN
a. Casing Depth (if known): 20.0 ft. 2" in.

b. Casing Removed: 20.0 ft. 2" in.

7. DISINFECTION: NO

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Sand Cement

Cement _____ lb.
Water _____ gal.

Cement _____ lb.
Water _____ gal.

Bentonite

Bentonite _____ lb.
Type: Slurry _____ Pellets _____
Water _____ gal.

Other

Type material Best Grout. 50 lb To

Amount 30 Gal of H₂O, CAP
Top with Portland

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Place Trunc Pipe To T.O. OF Well.
Grouted To Surface, Over Run 2"
Well To T.O. Grouted From T.O.
To ground surface - Cap To Concrete

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 8-11-09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

[Signature] 8/15/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

DEMAREST
PRINTED NAME OF PERSON ABANDONING THE WELL



WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #

2494

MW. B.10.0

1. WELL CONTRACTOR:

DEMAREST

Well Contractor (Individual) Name

BORE! CORE INC

Well Contractor Company Name

STREET ADDRESS 2817 BREWTON PLACE

RALEIGH N.C. 27604

City or Town State Zip Code

919-872-9551

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW. B.10.0

STATE WELL PERMIT # (if applicable) N/A

COUNTY WELL PERMIT # (if applicable) N/A

DWQ or OTHER PERMIT # (if applicable) N/A

WELL USE (Circle applicable use): Monitoring Residential

Municipal/Public Industrial/Commercial Agricultural

Recovery Injection Irrigation

Other (list use)

3. WELL LOCATION:

COUNTY Pitt QUADRANGLE NAME

NEAREST TOWN: Greenville N.C.

EJE Recycling, 802 Recycling Lane 27834

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

Slope Valley Flat Ridge Other

(Circle appropriate setting)

LATITUDE

LONGITUDE

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: GPS Topographic map

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable) E.J.E

NAME OF FACILITY E.J.E Recycling Landfill

STREET ADDRESS 802 Recycling Lane

Greenville N.C. 27834

City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME E.J.E Recycling

STREET ADDRESS 802 Recycling Lane

Greenville N.C. 27834

City or Town State Zip Code

() -

Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 20.0 ft. Diameter: 2" in.

b. Water Level (Below Measuring Point): 5.9 ft.

Measuring point is 0 ft. above land surface.

6. CASING:

Length

Diameter

AND SPACED
a. Casing Depth (if known): 20.0 ft. 2" in.

b. Casing Removed: 200 ft. 2" in.

7. DISINFECTION: NO

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Sand Cement

Cement _____ lb.
Water _____ gal.

Cement _____ lb.
Water _____ gal.

Bentonite

Bentonite _____ lb.

Type: Slurry _____ Pellets _____

Water _____ gal.

Other

Type material Best Grout. 50 lb TO

Amount 30 GAL of H₂O, CAP

Top with Portland

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

PLACE TRIMME PIPE TO T.O. OF WELL,

GROUTED TO SURFACE, OVER REAM 2"

WELL TO T.O. GROUTED FROM T.O.

TO GROUND SURFACE, TOP CAP W/ CONCRETE

10. WELL DIAGRAM:

Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 8.12.09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A-NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

[Signature]

SIGNATURE OF CERTIFIED WELL CONTRACTOR

8/15/09

DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE

(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

DEMAREST

PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.

Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

Form GW-30

Rev. 5/06



WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

MW-B-12

WELL CONTRACTOR CERTIFICATION # 2494

1. WELL CONTRACTOR:

DEMAREST
 Well Contractor (Individual) Name
BORE CORE INC
 Well Contractor Company Name
 STREET ADDRESS 2817 BREWTON PLACE
RALEIGH N.C. 27604
 City or Town State Zip Code
919-872-9551
 Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW-B-12
 STATE WELL PERMIT # (if applicable) N/A
 COUNTY WELL PERMIT # (if applicable) N/A
 DWQ or OTHER PERMIT # (if applicable) N/A
 WELL USE (Circle applicable use): Monitoring Residential
 Municipal/Public Industrial/Commercial Agricultural
 Recovery Injection Irrigation
 Other (list use) _____

3. WELL LOCATION:

COUNTY Pitt QUADRANGLE NAME _____
 NEAREST TOWN: Greenville N.C.
EJE Recycling, 802 Recycling Lane 27834
 (Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)
 TOPOGRAPHIC / LAND SETTING:
 Slope Valley Flat Ridge Other _____
 (Circle appropriate setting)

LATITUDE _____ LONGITUDE _____
 May be in degrees, minutes, seconds, or in a decimal format
 Latitude/longitude source: GPS Topographic map
 (Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY: The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable) EJE
 NAME OF FACILITY EJE Recycling Landfill
 STREET ADDRESS 802 Recycling Lane
Greenville N.C. 27834
 City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME EJE Recycling
 STREET ADDRESS 802 Recycling Lane
Greenville N.C. 27834
 City or Town State Zip Code

 Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 20.0 ft. Diameter: 2" in.
 b. Water Level (Below Measuring Point): 5.5 ft.
 Measuring point is 0 ft. above land surface.

6. CASING: Length Diameter

AND SCREEN
 a. Casing Depth (if known): 20.0 ft. 2" in.
 b. Casing Removed: 20.0 ft. 2" in.

7. DISINFECTION: NO

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement Sand Cement
 Cement _____ lb. Cement _____ lb.
 Water _____ gal. Water _____ gal.

Bentonite
 Bentonite _____ lb.
 Type: Slurry _____ Pellets _____
 Water _____ gal.

Other
 Type material Best Grout. 50 lb To
 Amount 30 Gal of H₂O, Cap
Top with Portland

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Place Trunc Pipe To T.O. OF Well,
Grouted To Surface, Over Run 2"
Well To T.O, Grouted From T.O
To ground surface. Cap Top w/ concrete

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 8-11-09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

[Signature] 8/15/09
 SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
 (The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

DEMAREST
 PRINTED NAME OF PERSON ABANDONING THE WELL



MW-B-13

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2494

1. WELL CONTRACTOR:

DEMAREST

Well Contractor (Individual) Name

BORE CORE INC

Well Contractor Company Name

STREET ADDRESS 2817 BREWTON PLACE

RALEIGH N.C. 27604

919 - 972-9551

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW-B-13

STATE WELL PERMIT # (if applicable) N/A

COUNTY WELL PERMIT # (if applicable) N/A

DWQ or OTHER PERMIT # (if applicable) N/A

WELL USE (Circle applicable use): Monitoring Residential Municipal/Public Industrial/Commercial Agricultural Recovery Injection Irrigation Other (list use)

3. WELL LOCATION:

COUNTY Pitt QUADRANGLE NAME

NEAREST TOWN: Greenville N.C. EIE Recycling, 802 Recycling Lane 27834

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

Slope Valley Flat Ridge Other (Circle appropriate setting)

LATITUDE

LONGITUDE

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: GPS Topographic map (Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable) E.I.E

NAME OF FACILITY E.I.E Recycling Landfill

STREET ADDRESS 802 Recycling Lane

Greenville N.C. 27834

4b. CONTACT PERSON/WELL OWNER:

NAME E.I.E Recycling

STREET ADDRESS 802 Recycling Lane

Greenville N.C. 27834

Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 20.0 ft. Diameter: 2" in.

b. Water Level (Below Measuring Point): 7.1 ft. Measuring point is 0 ft. above land surface.

6. CASING: Length Diameter

AND SCREEN a. Casing Depth (if known): 20.0 ft. 2" in. b. Casing Removed: 20.0 ft. 2" in.

7. DISINFECTION: NO

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement Sand Cement Cement lb. Water gal. Cement lb. Water gal.

Bentonite Bentonite lb. Type: Slurry Pellets Water gal.

Other Type material Best Grout. 50 lb To Amount 30 Gal of H2O, Cap Top with Portland

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL: Place Trunc Pipe To T.O. OF Well, Grouted To SURFACE, OVER REAM 2" Well To T.O., Grouted From T.O. To ground SURFACE, Cap Top w/ concrete

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 8-11-09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR 8/15/09 DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE (The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

DEMAREST PRINTED NAME OF PERSON ABANDONING THE WELL



WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

MW-B-15-S

WELL CONTRACTOR CERTIFICATION # 2494

1. WELL CONTRACTOR:

DEMAREST
 Well Contractor (Individual) Name
BORE! CORE INC
 Well Contractor Company Name
 STREET ADDRESS 2817 BREWTON PLACE
RALEIGH N.C. 27604
 City or Town State Zip Code
919 - 877-9551
 Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW-B-15-S
 STATE WELL PERMIT # (if applicable) N/A
 COUNTY WELL PERMIT # (if applicable) N/A
 DWQ or OTHER PERMIT # (if applicable) N/A
 WELL USE (Circle applicable use): Monitoring Residential
 Municipal/Public Industrial/Commercial Agricultural
 Recovery Injection Irrigation
 Other (list use) _____

3. WELL LOCATION:

COUNTY Pitt QUADRANGLE NAME _____
 NEAREST TOWN: Gaerenville N.C.
EJE Recycling, 802 Recycling Lane 27834
 (Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

Slope Valley Flat Ridge Other _____
 (Circle appropriate setting)

LATITUDE _____

May be in degrees, minutes, seconds, or in a decimal format

LONGITUDE _____

Latitude/longitude source: GPS Topographic map
 (Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable) E.I.E
 NAME OF FACILITY E.I.E Recycling Landfill
 STREET ADDRESS 802 Recycling Lane
Gaerenville N.C. 27834
 City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME E.I.E Recycling
 STREET ADDRESS 802 Recycling Lane
Gaerenville N.C. 27834
 City or Town State Zip Code

() - _____
 Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 20.0 ft. Diameter: 2" in.
 b. Water Level (Below Measuring Point): 0 ft.
 Measuring point is 6.1 ft. above land surface.

6. CASING:

Length Diameter
AND SCREEN
 a. Casing Depth (if known): 20.0 ft. 2" in.
 b. Casing Removed: 20.0 ft. 2" in.

7. DISINFECTION: NO

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Cement _____ lb.
 Water _____ gal.

Sand Cement

Cement _____ lb.
 Water _____ gal.

Bentonite

Bentonite _____ lb.
 Type: Slurry Pellets _____
 Water _____ gal.

Other

Type material Best Grout. 50 lb To
 Amount 30 Gal of H₂O, Cap
Top with Portland

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Place Trunc Pipe To T.O. OF WELL,
Grouted To Surface, Over Run 2"
Well To T.O. Grouted From T.O.
To ground Surface, Cap To W/Concrete

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 8-11-09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

[Signature] 8/15/09
 SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
 (The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

DEMAREST
 PRINTED NAME OF PERSON ABANDONING THE WELL



MW.B-15-D

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2494

1. WELL CONTRACTOR:

DEMAREST

Well Contractor (Individual) Name

BORE CORE INC

Well Contractor Company Name

STREET ADDRESS 2817 BREWTON PLACE

RALEIGH N.C. 27604

City or Town State Zip Code

919-872-9551

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW.B-15-D

STATE WELL PERMIT # (if applicable) N/A

COUNTY WELL PERMIT # (if applicable) N/A

DWQ or OTHER PERMIT # (if applicable) N/A

WELL USE (Circle applicable use): [X] Monitoring [] Residential [] Municipal/Public [] Industrial/Commercial [] Agricultural [] Recovery [] Injection [] Irrigation [] Other (list use)

3. WELL LOCATION:

COUNTY Pitt QUADRANGLE NAME

NEAREST TOWN: Greenville N.C.

EJE Recycling, 802 Recycling Lane 27834

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

[] Slope [] Valley [] Flat [] Ridge [] Other (Circle appropriate setting)

LATITUDE

LONGITUDE

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: [] GPS [] Topographic map (Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY - The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable) E.I.E

NAME OF FACILITY E.I.E Recycling Landfill

STREET ADDRESS 802 Recycling Lane

Greenville N.C. 27834 City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME E.I.E Recycling

STREET ADDRESS 802 Recycling Lane

Greenville N.C. 27834 City or Town State Zip Code

() - Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 40.0 ft. Diameter: 2" in.

b. Water Level (Below Measuring Point): 7.7 ft. Measuring point is 0 ft. above land surface.

6. CASING: Length Diameter

AND SCREEN a. Casing Depth (if known): 40.0 ft. 2" in.

b. Casing Removed: ft. 2" in.

7. DISINFECTION: NO

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement Sand Cement Cement lb. Water gal. Cement lb. Water gal.

Bentonite Bentonite lb. Type: Slurry Pellets Water gal.

Other Type material Best Grout. 50 lb To Amount 30 Gal of H2O, Cap Top with Portland

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL: PLACE TRIMME PIPE TO T.O. OF WELL, GROUTED TO SURFACE, OVER RAN 2" WELL TO T.O., GROUTED FROM T.O. TO GROUND SURFACE, CAP TOP W/ CONCRETE

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 8-11-09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE 8/15/09

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE (The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

DEMAREST PRINTED NAME OF PERSON ABANDONING THE WELL



MW. B-22

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2494

1. WELL CONTRACTOR:

DEMAREST
Well Contractor (Individual) Name
BORE! CORE INC
Well Contractor Company Name
STREET ADDRESS 2817 BREWTON PLACE
RALEIGH N.C. 27604
City or Town State Zip Code
919 - 872-9551
Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW-B-22
STATE WELL PERMIT # (if applicable) N/A
COUNTY WELL PERMIT # (if applicable) N/A
DWQ or OTHER PERMIT # (if applicable) N/A
WELL USE (Circle applicable use): Monitoring Residential
 Municipal/Public Industrial/Commercial Agricultural
 Recovery Injection Irrigation
 Other (list use) _____

3. WELL LOCATION:

COUNTY Pitt QUADRANGLE NAME _____
NEAREST TOWN: Greenville N.C.
EJE Recycling, 802 Recycling Lane 27834
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)
TOPOGRAPHIC / LAND SETTING:
 Slope Valley Flat Ridge Other _____
(Circle appropriate setting)
LATITUDE _____
LONGITUDE _____
Latitude/longitude source: GPS Topographic map
(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable) EJE
NAME OF FACILITY EJE Recycling Landfill
STREET ADDRESS 802 Recycling Lane
Greenville N.C. 27834
City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME EJE Recycling
STREET ADDRESS 802 Recycling Lane
Greenville N.C. 27834
City or Town State Zip Code
Area code - Phone number _____

5. WELL DETAILS:

a. Total Depth: 20.0 ft. Diameter: 2" in.
b. Water Level (Below Measuring Point): 5.8 ft.
Measuring point is 0 ft. above land surface.

6. CASING: Length Diameter
a. Casing Depth (if known): 20.0 ft. 2" in.
b. Casing Removed: 200 ft. 2" in.

7. DISINFECTION: NO
(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement **Sand Cement**
Cement _____ lb. Cement _____ lb.
Water _____ gal. Water _____ gal.
Bentonite
Bentonite _____ lb.
Type: Slurry Pellets _____
Water _____ gal.

Other
Type material Best Grout. 50 lb To
Amount 30 Gal of H₂O, Cap
Top with Portland

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:
Place Trunc Pipe To T.O. OF Well,
Grouted To Surface, Over Run 2"
Well To T.O, Grouted From T.O
To ground surface, Top Cap w/ concrete

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 8-11-09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

[Signature] 8/15/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

DEMAREST
PRINTED NAME OF PERSON ABANDONING THE WELL



MW-B-24

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2494

1. WELL CONTRACTOR:

DEMAREST
 Well Contractor (Individual) Name
BORE CORE INC
 Well Contractor Company Name
 STREET ADDRESS 2817 BREWTON PLACE
RALEIGH N.C. 27604
 City or Town State Zip Code
919-872-9551
 Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW-B-24
 STATE WELL PERMIT # (if applicable) N/A
 COUNTY WELL PERMIT # (if applicable) N/A
 DWQ or OTHER PERMIT # (if applicable) N/A
 WELL USE (Circle applicable use): Monitoring Residential
 Municipal/Public Industrial/Commercial Agricultural
 Recovery Injection Irrigation
 Other (list use) _____

3. WELL LOCATION:

COUNTY Pitt QUADRANGLE NAME _____
 NEAREST TOWN: Greenville N.C.
EJE Recycling, 802 Recycling Lane 27834
 (Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)
 TOPOGRAPHIC / LAND SETTING:
 Slope Valley Flat Ridge Other _____
 (Circle appropriate setting)
 LATITUDE _____
 LONGITUDE _____
 Latitude/longitude source: GPS Topographic map
 (Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY: The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable) EJE
 NAME OF FACILITY EJE Recycling Landfill
 STREET ADDRESS 802 Recycling Lane
Greenville N.C. 27834
 City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME EJE Recycling
 STREET ADDRESS 802 Recycling Lane
Greenville N.C. 27834
 City or Town State Zip Code

() - _____
 Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 20.0 ft. Diameter: 2" in.
 b. Water Level (Below Measuring Point): 4.6 ft.
 Measuring point is 0 ft. above land surface.

6. CASING: Length Diameter

AND SCREEN
 a. Casing Depth (if known): 20.0 ft. 2" in.
 b. Casing Removed: 20.0 ft. 2" in.

7. DISINFECTION: NO

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

<u>Neat Cement</u>	<u>Sand Cement</u>
Cement _____ lb.	Cement _____ lb.
Water _____ gal.	Water _____ gal.
<u>Bentonite</u>	
Bentonite _____ lb.	
Type: Slurry Pellets _____	
Water _____ gal.	

Other

Type material Best Grout. 50 lb To
 Amount 30 Gal of H₂O, CAP
Top with Portland

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Place Trunc Pipe To T.O. OF WELL,
Grouted To SURFACE, OVER REAM 2"
WELL TO T.O., Grouted FROM T.O.
To ground SURFACE, CAP Top w/ concrete

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 8-12-09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

[Signature] 8/15/09
 SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
 (The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

DEMAREST
 PRINTED NAME OF PERSON ABANDONING THE WELL



MW-B-28

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2494

1. WELL CONTRACTOR:

DEMAREST

Well Contractor (Individual) Name

BORE! CORE INC

Well Contractor Company Name

STREET ADDRESS 2817 BREWTON PLACE

RALEIGH N.C. 27604

City or Town

State

Zip Code

919 - 872-9551

Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable) MW-B-28

STATE WELL PERMIT # (if applicable) N/A

COUNTY WELL PERMIT # (if applicable) N/A

DWQ or OTHER PERMIT # (if applicable) N/A

WELL USE (Circle applicable use): Monitoring Residential
 Municipal/Public Industrial/Commercial Agricultural
 Recovery Injection Irrigation
 Other (list use) _____

3. WELL LOCATION:

COUNTY Pitt QUADRANGLE NAME _____

NEAREST TOWN: Greenville N.C.
EJE Recycling, 802 Recycling Lane 27834

(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

Slope Valley Flat Ridge Other _____
(Circle appropriate setting)

LATITUDE _____

May be in degrees, minutes, seconds, or in a decimal format

LONGITUDE _____

Latitude/longitude source: GPS Topographic map
(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and 4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID # (if applicable) EJE

NAME OF FACILITY EJE Recycling Landfill

STREET ADDRESS 802 Recycling Lane

Greenville N.C. 27834

City or Town

State

Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME E.J.E Recycling

STREET ADDRESS 802 Recycling Lane

Greenville N.C. 27834

City or Town

State

Zip Code

() - _____
Area code - Phone number

5. WELL DETAILS:

a. Total Depth: 40.0 ft. Diameter: 2" in.

b. Water Level (Below Measuring Point): 6.3 ft.

Measuring point is 0 ft. above land surface.

6. CASING: Length Diameter

AND SCREEN
a. Casing Depth (if known): 40.0 ft. 2" in.

b. Casing Removed: 40.0 ft. 2" in.

7. DISINFECTION: NO

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement Sand Cement

Cement _____ lb. Cement _____ lb.
Water _____ gal. Water _____ gal.

Bentonite

Bentonite _____ lb.
Type: Slurry _____ Pellets _____
Water _____ gal.

Other

Type material Best Grout. 50 lb To

Amount 30 Gal of H₂O, Cap
Top with Portland

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

Place Trunc Pipe To T.O. OF WELL,
Grouted To SURFACE, OVER RAMP 2"
Well To T.O. Grouted From T.O.
To ground Surface, Cap Top w/ Concrete

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 8-11-09

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

[Signature] 8/15/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL DATE
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

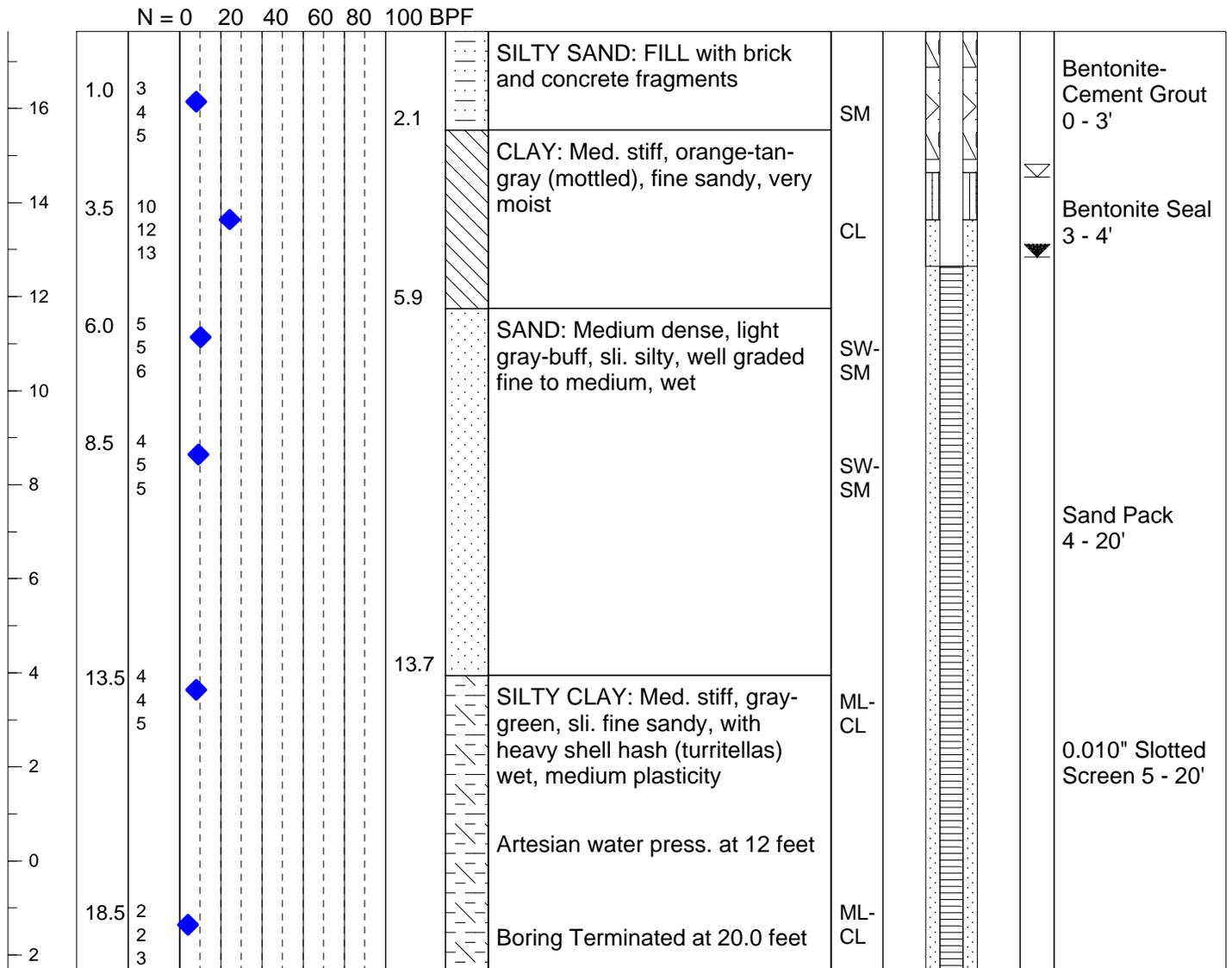
DEMAREST
PRINTED NAME OF PERSON ABANDONING THE WELL

Client and Project C&D Landfill, Inc. (Pitt County)
 Equipment CME 450
 Date Started 08/07/09
 Drilling Firm Bore & Core, Inc.
 Comments TOC Elev. 20.58

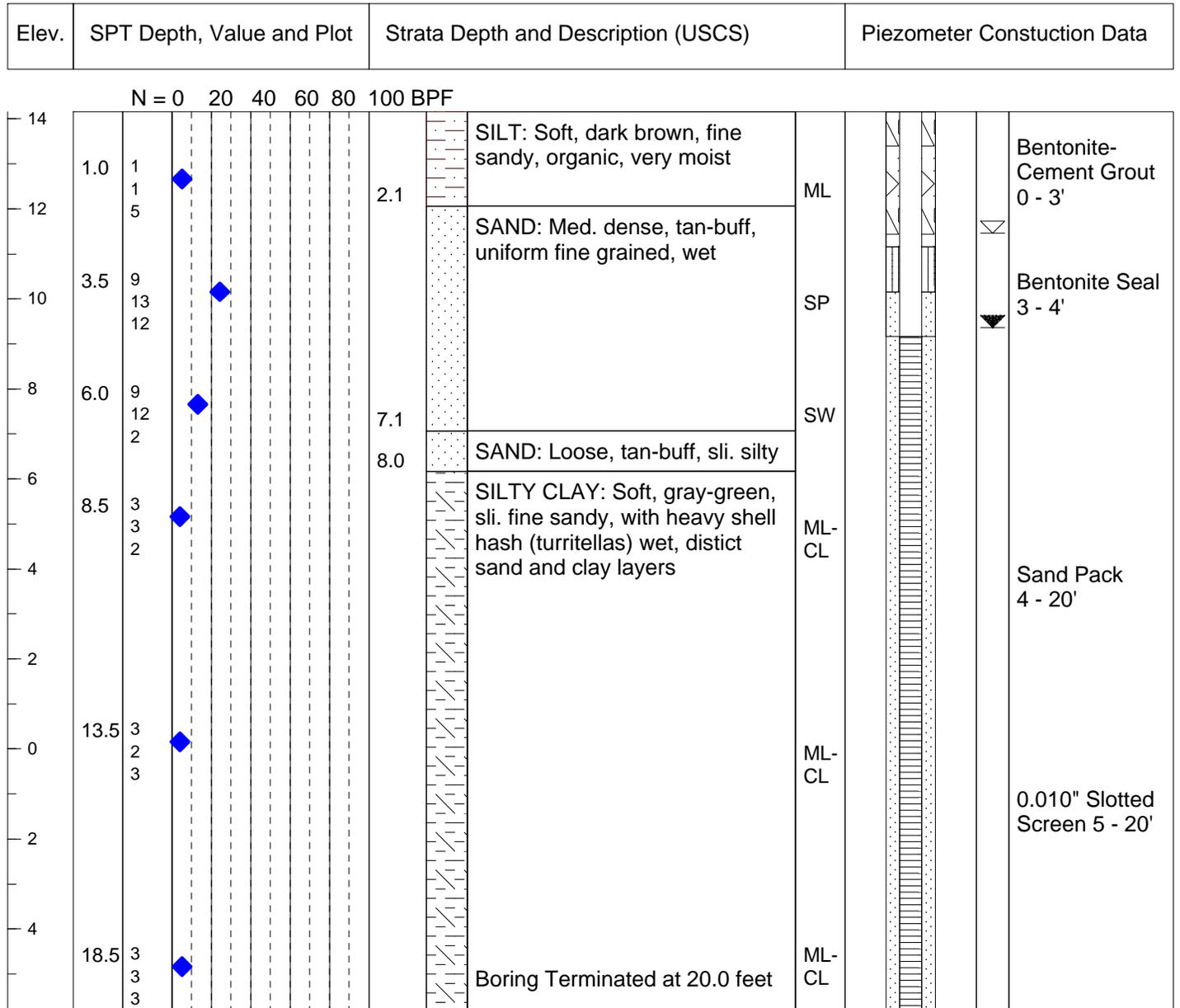
Drilling Method 4-1/4" HSA
 Date Ended 08/07/09
 Logged by Aaron Hill
 Total Depth 20.0

Ground Elevation 17.64
 Water Level, TOB 3.1
 Water Level, 24 Hr. NA
 Stabilized Level 4.8
 Observation Date 08/10/09

Elev.	SPT Depth, Value and Plot	Strata Depth and Description (USCS)	Piezometer Constuction Data
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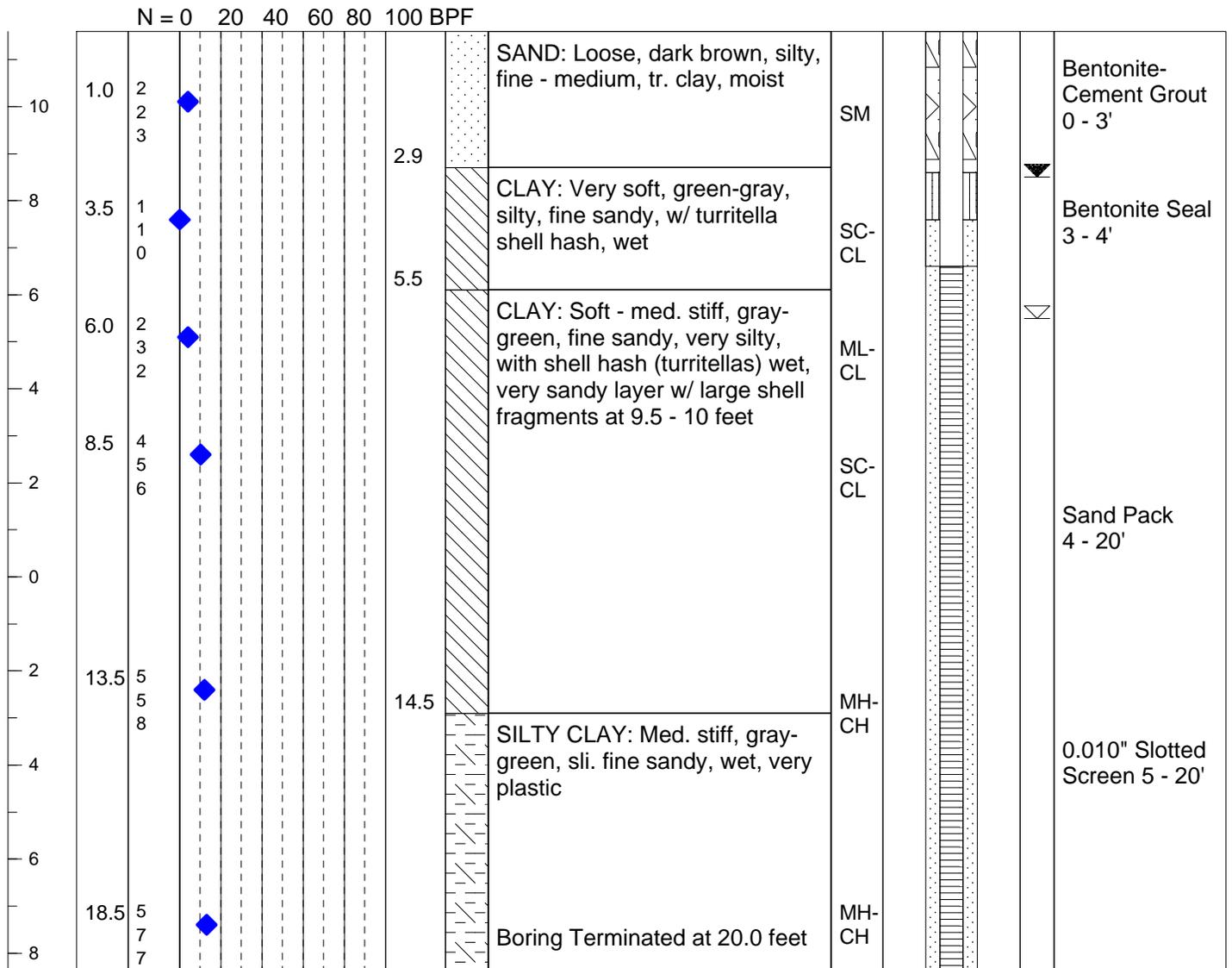


Client and Project	C&D Landfill, Inc. (Pitt County)	Ground Elevation	14.16
Equipment	CME 450	Drilling Method	4-1/4" HSA
Date Started	08/06/09	Date Ended	08/06/09
Drilling Firm	Bore & Core, Inc.	Logged by	Aaron Hill
Comments	TOC Elev. 16.61	Total Depth	20.0
		Water Level, TOB	2.7 \sphericalangle
		Water Level, 24 Hr.	NA
		Stabilized Level	4.8 \blacktriangledown
		Observation Date	08/10/09



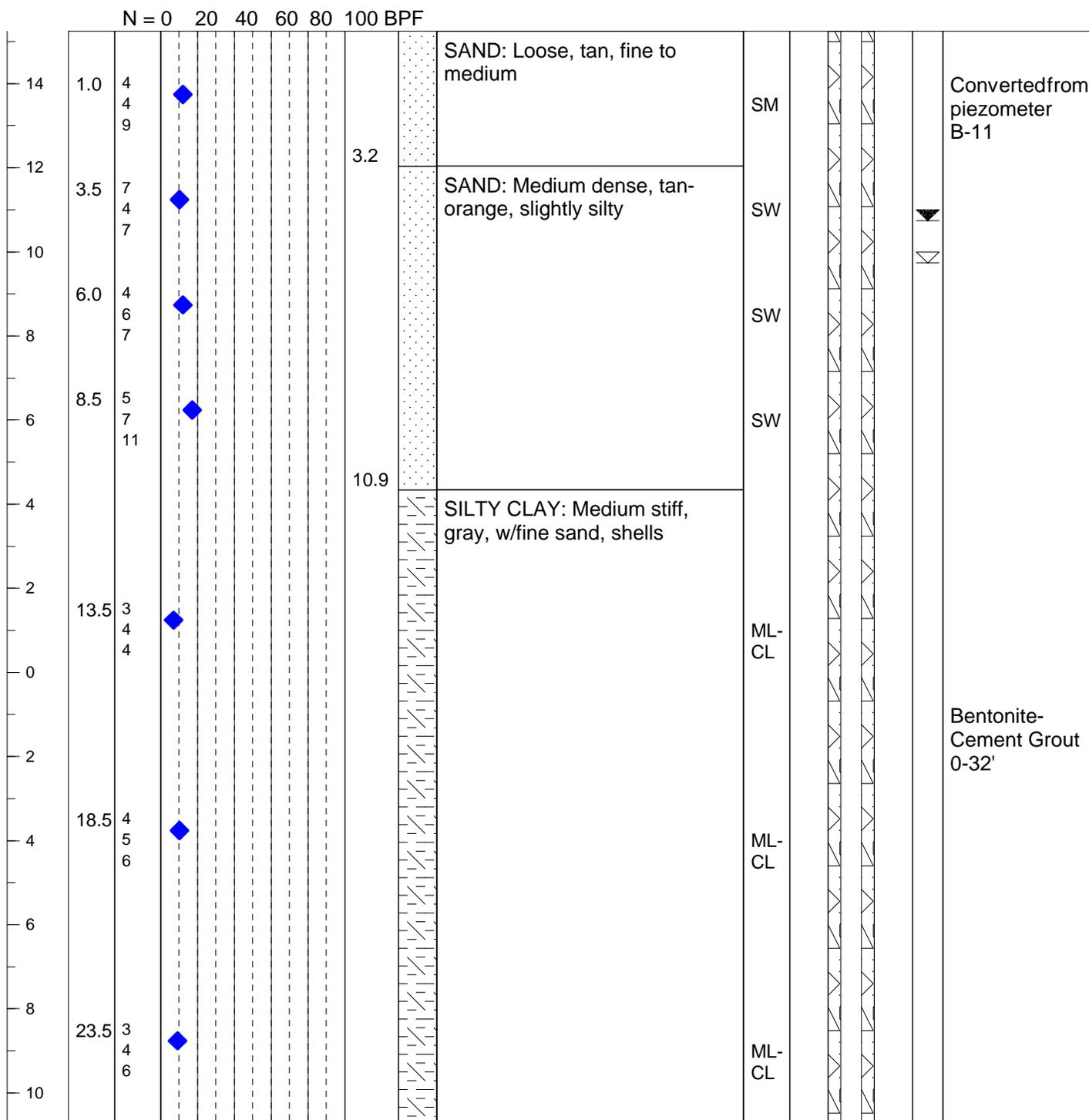
Client and Project	C&D Landfill, Inc. (Pitt County)	Ground Elevation	11.60
Equipment	CME 450	Drilling Method	4-1/4" HSA
Date Started	08/06/09	Date Ended	08/06/09
Drilling Firm	Bore & Core, Inc.	Logged by	Aaron Hill
Comments	TOC Elev. 14.49	Total Depth	20.0
		Water Level, TOB	6.1 \simeq
		Water Level, 24 Hr.	NA
		Stabilized Level	3.1 \simeq
		Observation Date	08/10/09

Elev.	SPT Depth, Value and Plot	Strata Depth and Description (USCS)	Piezometer Constuction Data
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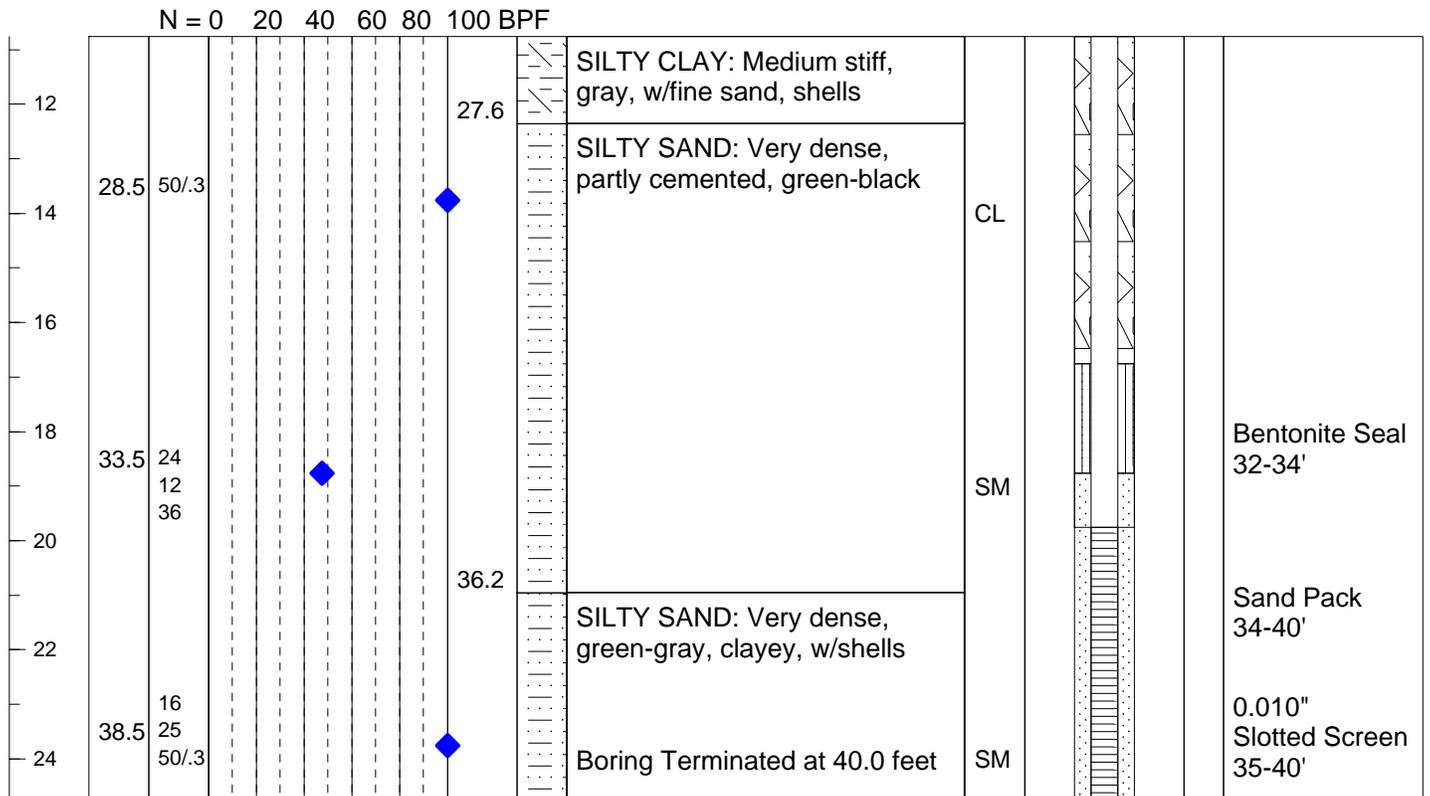
Client and Project	C&D Landfill, Inc. (Pitt County)	Ground Elevation	15.24
Equipment	Detrich D-10	Drilling Method	4-1/4" HSA
Date Started	12/11/02	Date Ended	12/11/02
Drilling Firm	Bore & Core, Inc.	Logged by	David Garrett
Comments	TOC Elev. 17.93	Total Depth	40.0
		Water Level, TOB	5.5 \sphericalangle
		Water Level, 24 Hr.	5.0
		Stabilized Level	4.5 \blacktriangledown
		Observation Date	01/15/03

Elev.	SPT Depth, Value and Plot	Strata Depth and Description (USCS)	Piezometer Constuction Data
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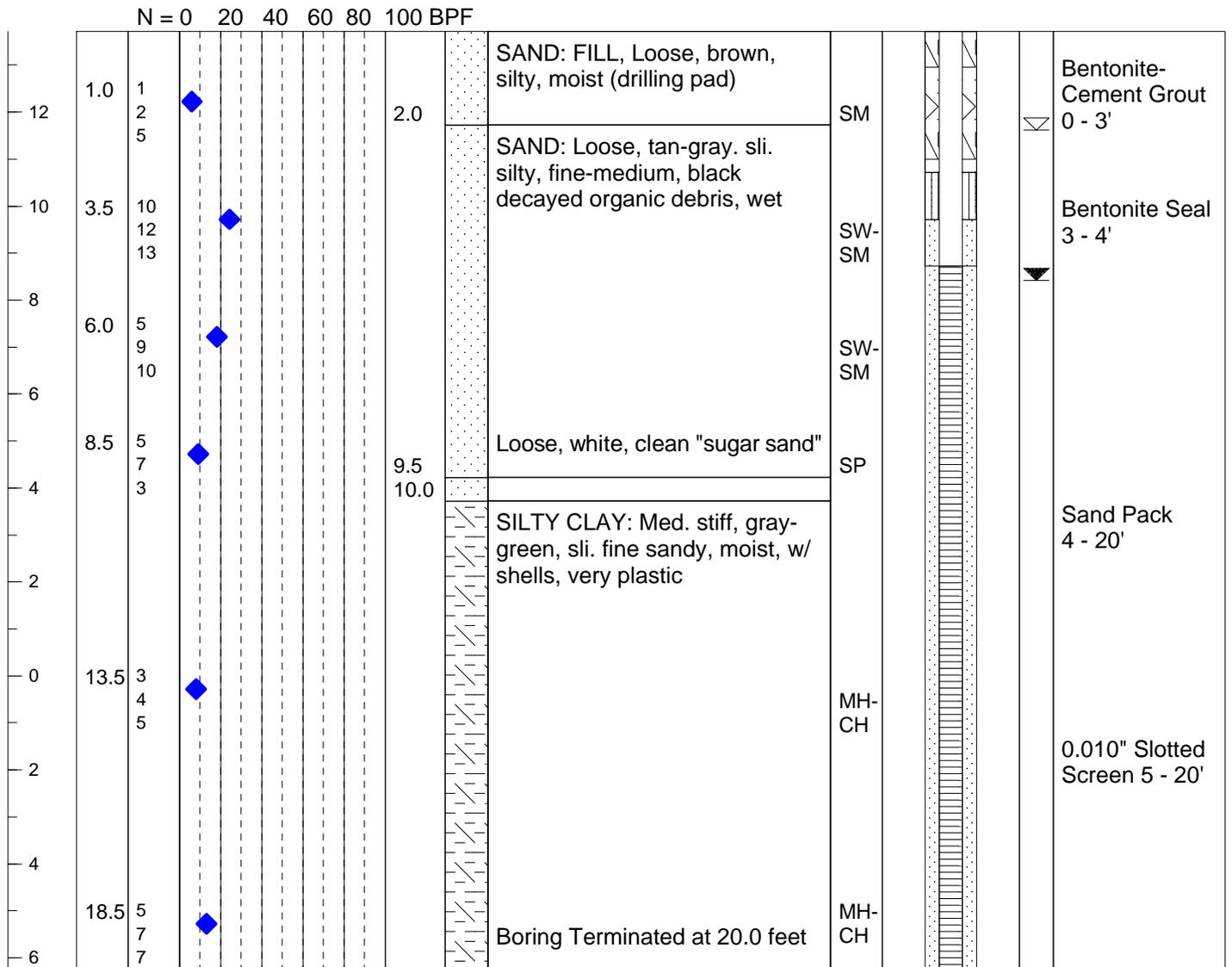
Client and Project	C&D Landfill, Inc. (Pitt County)	Ground Elevation	15.24
Equipment	Detrich D-10	Drilling Method	4-1/4" HSA
Date Started	12/11/02	Date Ended	12/11/02
Drilling Firm	Bore & Core, Inc.	Logged by	David Garrett
Comments	TOC Elev. 17.93	Total Depth	40.0
		Water Level, TOB	5.5 \sphericalangle
		Water Level, 24 Hr.	5.0
		Stabilized Level	4.5 \blacktriangledown
		Observation Date	01/15/03

Elev.	SPT Depth, Value and Plot	Strata Depth and Description (USCS)	Piezometer Constuction Data
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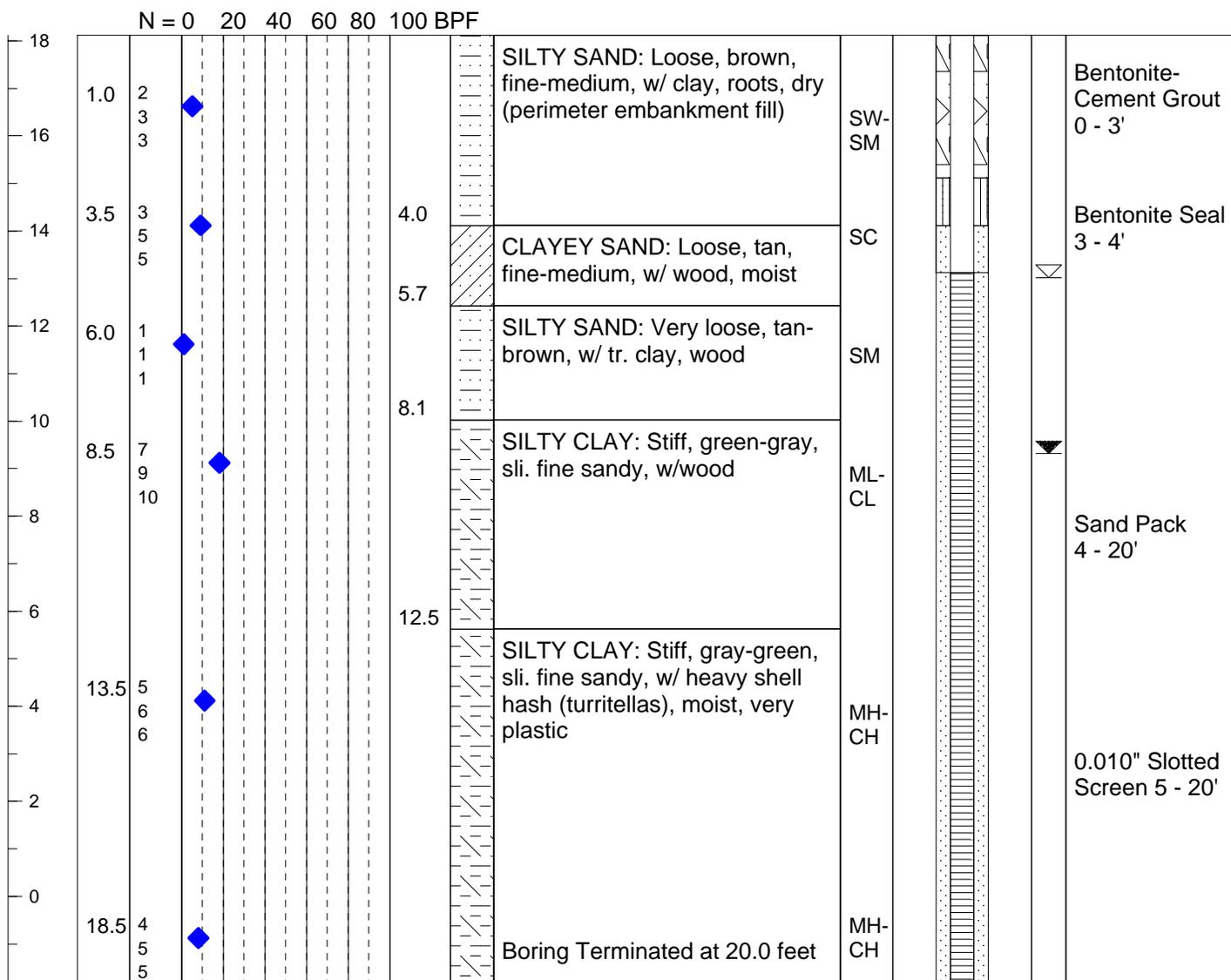
Client and Project	C&D Landfill, Inc. (Pitt County)	Ground Elevation	13.72
Equipment	CME 450	Drilling Method	4-1/4" HSA
Date Started	08/07/09	Date Ended	08/07/09
Drilling Firm	Bore & Core, Inc.	Logged by	Aaron Hill
Comments	TOC Elev. 16.18	Total Depth	20.0
		Water Level, TOB	2.1 \sphericalangle
		Water Level, 24 Hr.	NA
		Stabilized Level	5.3 \blacktriangledown
		Observation Date	08/10/09

Elev.	SPT Depth, Value and Plot	Strata Depth and Description (USCS)	Piezometer Constuction Data
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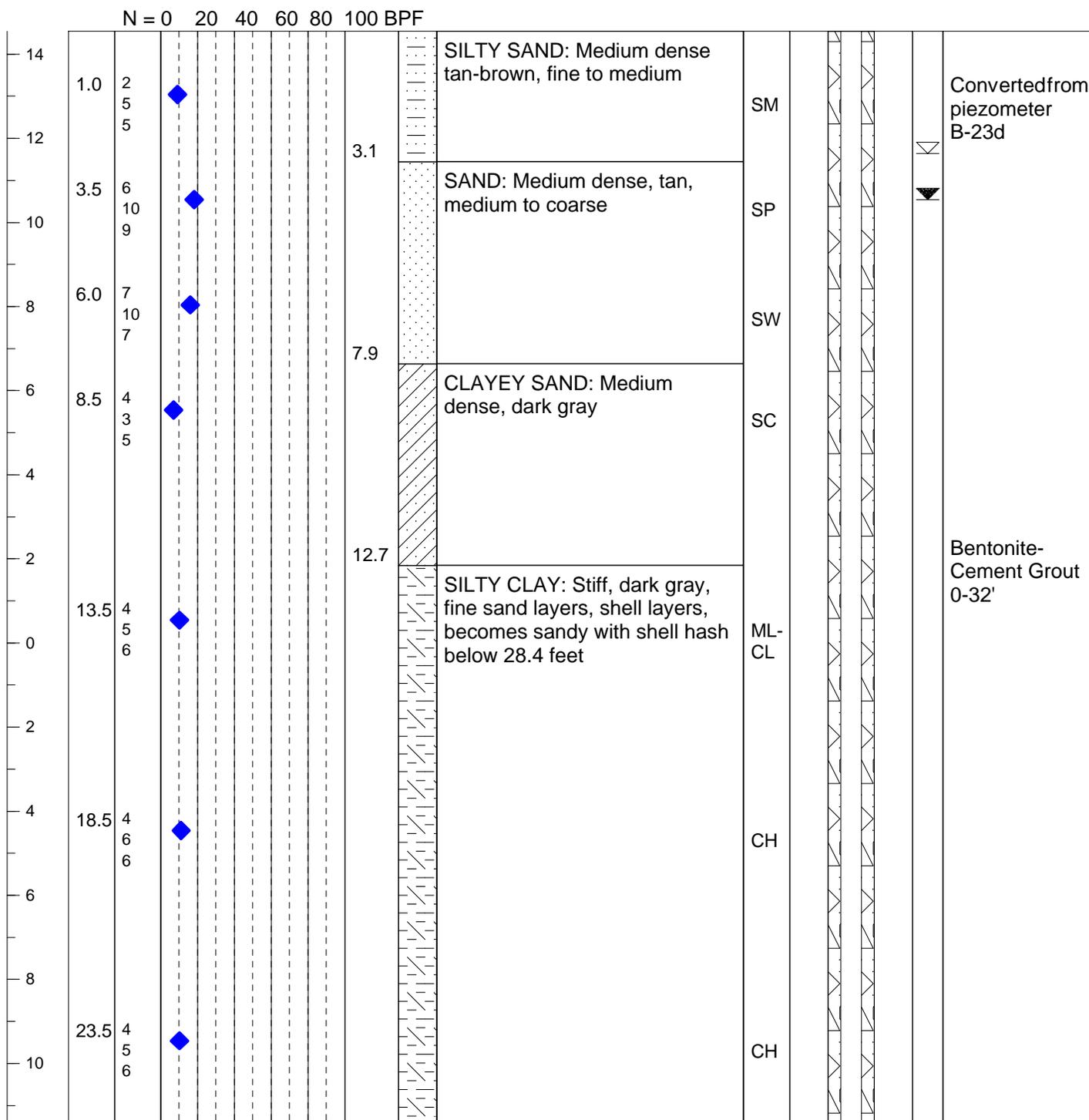
Client and Project	C&D Landfill, Inc. (Pitt County)	Ground Elevation	18.12
Equipment	CME 450	Drilling Method	4-1/4" HSA
Date Started	08/07/09	Date Ended	08/07/09
Drilling Firm	Bore & Core, Inc.	Logged by	Aaron Hill
Comments	TOC Elev. 20.69	Total Depth	20.0
		Water Level, TOB	5.1 \sphericalangle
		Water Level, 24 Hr.	NA
		Stabilized Level	8.8 \blacktriangledown
		Observation Date	08/10/09

Elev.	SPT Depth, Value and Plot	Strata Depth and Description (USCS)	Piezometer Constuction Data
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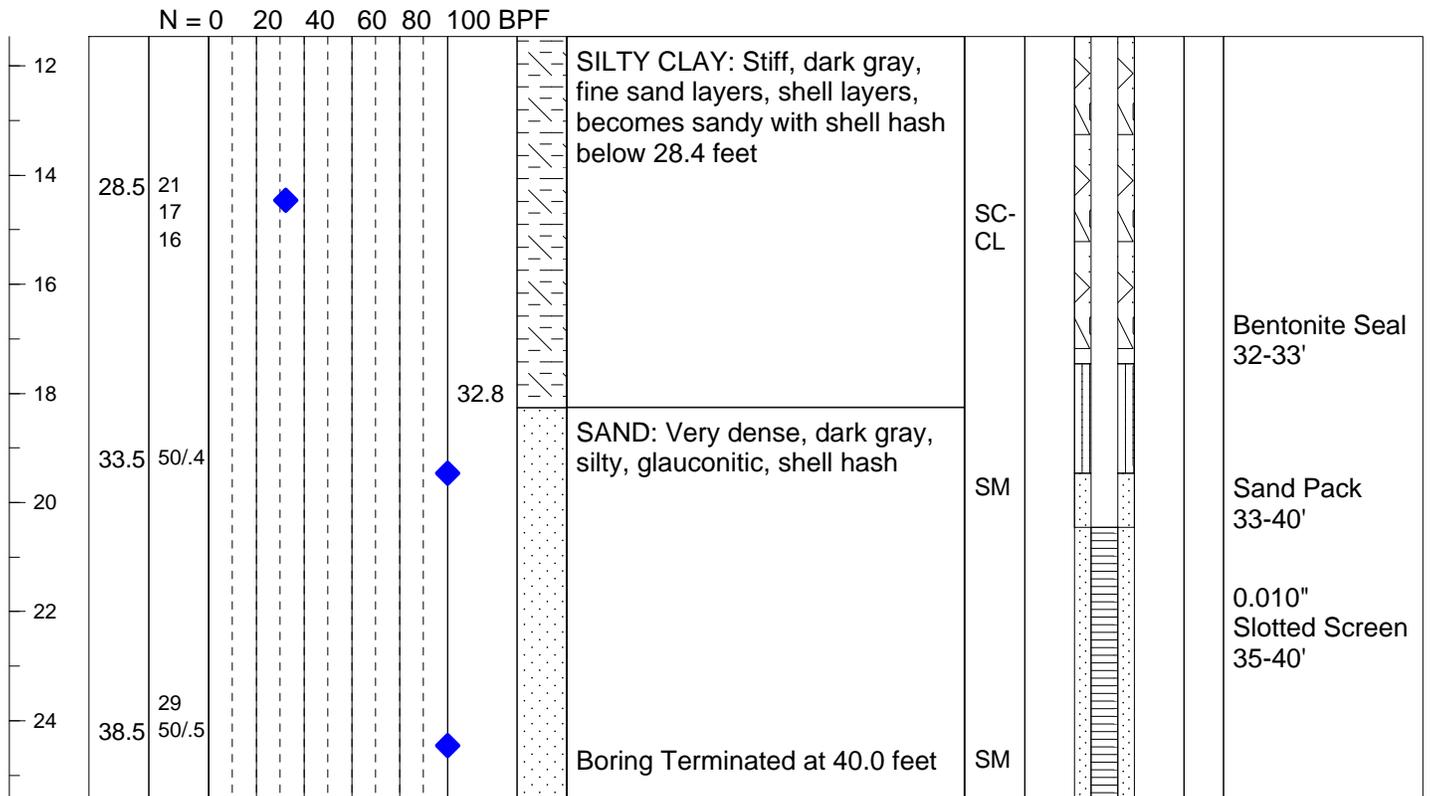
Client and Project	C&D Landfill, Inc. (Pitt County)	Ground Elevation	14.54
Equipment	Detrich D-10	Drilling Method	4-1/4" HSA
Date Started	12/17/02	Date Ended	12/17/02
Drilling Firm	Bore & Core, Inc.	Logged by	David Garrett
Comments	TOC Elev. 17.45	Total Depth	40.0
		Water Level, TOB	2.9 \sphericalangle
		Water Level, 24 Hr.	3.0
		Stabilized Level	4.0 \blacktriangledown
		Observation Date	08/10/09

Elev.	SPT Depth, Value and Plot	Strata Depth and Description (USCS)	Piezometer Constuction Data
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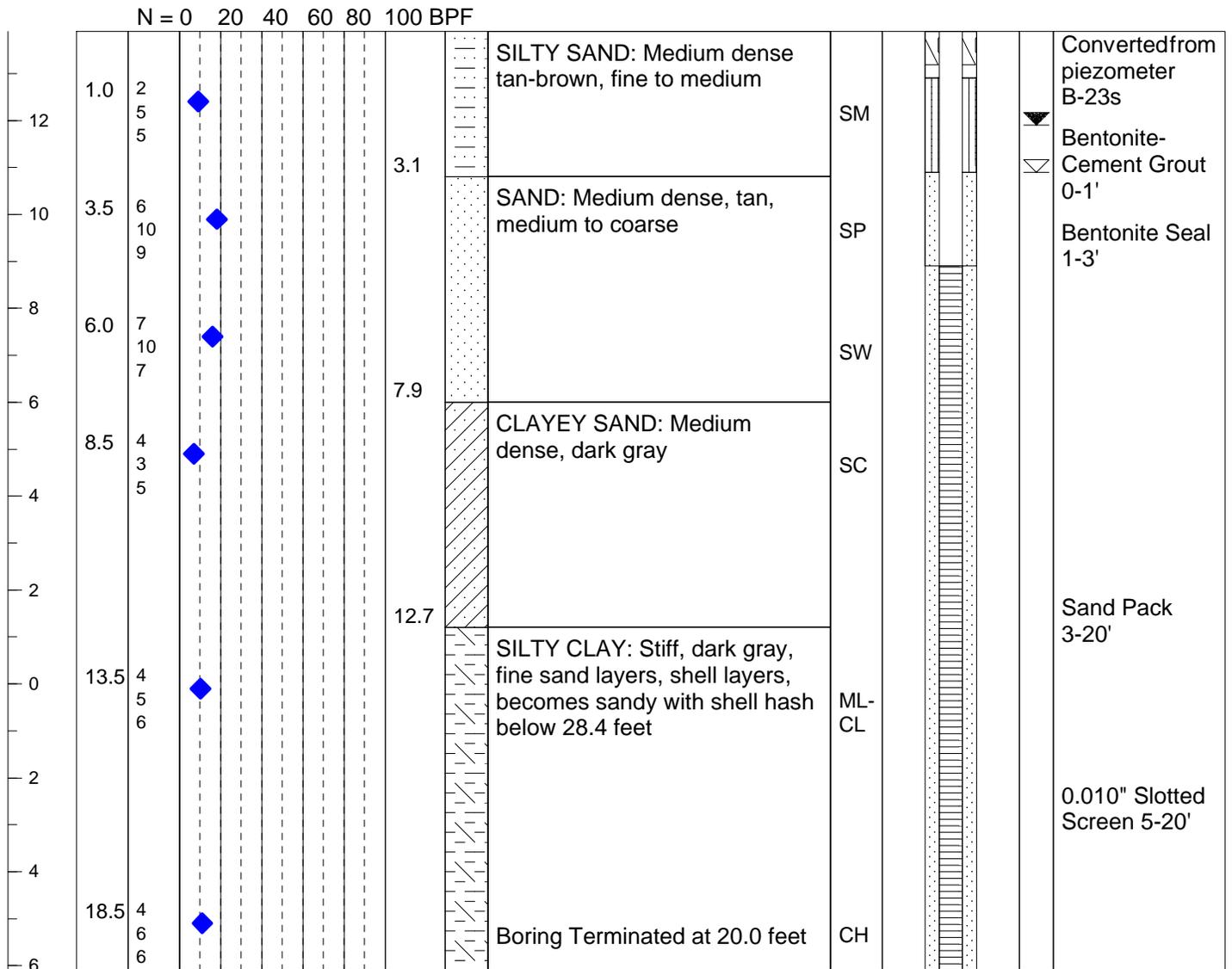
Client and Project	C&D Landfill, Inc. (Pitt County)	Ground Elevation	14.54
Equipment	Detrich D-10	Drilling Method	4-1/4" HSA
Date Started	12/17/02	Date Ended	12/17/02
Drilling Firm	Bore & Core, Inc.	Logged by	David Garrett
Comments	TOC Elev. 17.45	Total Depth	40.0
		Water Level, TOB	2.9 \sphericalangle
		Water Level, 24 Hr.	3.0
		Stabilized Level	4.0 \blacktriangledown
		Observation Date	08/10/09

Elev.	SPT Depth, Value and Plot	Strata Depth and Description (USCS)	Piezometer Constuction Data
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Client and Project	C&D Landfill, Inc. (Pitt County)	Ground Elevation	13.90
Equipment	Detrich D-10	Drilling Method	4-1/4" HSA
Date Started	12/18/02	Date Ended	12/18/02
Drilling Firm	Bore & Core, Inc.	Logged by	David Garrett
Comments	TOC Elev. 16.60	Total Depth	20.0
		Water Level, TOB	3.0 \sphericalangle
		Water Level, 24 Hr.	2.2
		Stabilized Level	2.0 \blacktriangledown
		Observation Date	08/10/09

Elev.	SPT Depth, Value and Plot	Strata Depth and Description (USCS)	Piezometer Constuction Data
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Mr. David Garrett
Environmental Field Management
5105 Harbour Towne Dr.
Raleigh NC 27604

Report Number: G1081-2

Client Project: C&D Landfill, Inc.

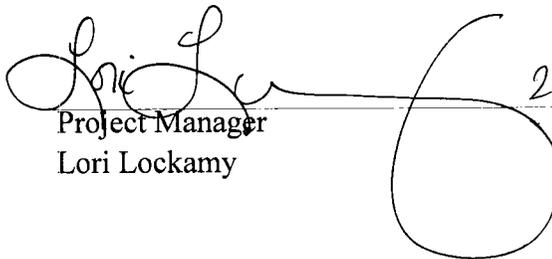
Dear Mr. Garrett:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS Environmental Services, Inc.


Project Manager
Lori Lockamy

26 August 2007
Date

List of Reporting Abbreviations And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are $10\% < \%R < LCL$; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

- 1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
- 2) Uncertainty for all reported data is less than or equal to 30 percent.

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW14s-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-1A
 Lab Project ID: G1081-2

Analyzed By: DVO
 Date Collected: 8/10/2009 9:00
 Date Received: 8/12/2009
 Matrix: Water
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	8/21/2009	
Acetonitrile	BQL	55.0	2.58	1	8/21/2009	
Acrylonitrile	BQL	200	2.93	1	8/21/2009	
Benzene	BQL	1.00	0.0650	1	8/21/2009	
Bromochloromethane	BQL	3.00	0.101	1	8/21/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	8/21/2009	
Bromoform	BQL	3.00	0.120	1	8/21/2009	
Bromomethane	BQL	10.0	0.133	1	8/21/2009	
2-butanone	BQL	100	0.544	1	8/21/2009	
Carbon disulfide	BQL	100	0.0690	1	8/21/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	8/21/2009	
Chlorobenzene	BQL	3.00	0.0820	1	8/21/2009	
Chloroethane	BQL	10.0	0.106	1	8/21/2009	
Chloroform	BQL	5.00	0.0790	1	8/21/2009	
Chloromethane	BQL	1.00	0.146	1	8/21/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	8/21/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	8/21/2009	
Dibromomethane	BQL	10.0	0.113	1	8/21/2009	
1,2-Dibromoethane	BQL	1.00	0.124	1	8/21/2009	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	8/21/2009	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	8/21/2009	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	8/21/2009	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	8/21/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	8/21/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	8/21/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	8/21/2009	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	8/21/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	8/21/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
Ethylbenzene	BQL	1.00	0.0770	1	8/21/2009	
2-hexanone	BQL	50.0	0.720	1	8/21/2009	
Iodomethane	BQL	10.0	0.0420	1	8/21/2009	
Methylene chloride	BQL	1.00	0.0980	1	8/21/2009	
4-methyl-2-pentanone	BQL	100	0.550	1	8/21/2009	
Styrene	BQL	1.00	0.0850	1	8/21/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	8/21/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	8/21/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	8/21/2009	
Toluene	BQL	1.00	0.0760	1	8/21/2009	
Trichloroethene	BQL	1.00	0.0540	1	8/21/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	8/21/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	8/21/2009	

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW14s-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-1A
 Lab Project ID: G1081-2

Analyzed By: DVO
 Date Collected: 8/10/2009 9:00
 Date Received: 8/12/2009
 Matrix: Water
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	8/21/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	8/21/2009	
Vinyl acetate	BQL	50.0	0.100	1	8/21/2009	
Vinyl chloride	BQL	1.00	0.149	1	8/21/2009	
Total Xylene	BQL	5.00	0.0650	1	8/21/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	9.72	97
Toluene-d8	10	10	100
4-Bromofluorobenzene	10	9.66	97

Comments:

Flags:

BQL = Below Quantitation Limits.

Analyst: 

Reviewed By: 

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW14d-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-2A
 Lab Project ID: G1081-2

Analyzed By: DVO
 Date Collected: 8/10/2009 10:05
 Date Received: 8/12/2009
 Matrix: Water
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	8/21/2009	
Acetonitrile	BQL	55.0	2.58	1	8/21/2009	
Acrylonitrile	BQL	200	2.93	1	8/21/2009	
Benzene	BQL	1.00	0.0650	1	8/21/2009	
Bromochloromethane	BQL	3.00	0.101	1	8/21/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	8/21/2009	
Bromoform	BQL	3.00	0.120	1	8/21/2009	
Bromomethane	BQL	10.0	0.133	1	8/21/2009	
2-butanone	BQL	100	0.544	1	8/21/2009	
Carbon disulfide	BQL	100	0.0690	1	8/21/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	8/21/2009	
Chlorobenzene	BQL	3.00	0.0820	1	8/21/2009	
Chloroethane	BQL	10.0	0.106	1	8/21/2009	
Chloroform	BQL	5.00	0.0790	1	8/21/2009	
Chloromethane	0.210	1.00	0.146	1	8/21/2009	J
Dibromochloromethane	BQL	3.00	0.0900	1	8/21/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	8/21/2009	
Dibromomethane	BQL	10.0	0.113	1	8/21/2009	
1,2-Dibromoethane	BQL	1.00	0.124	1	8/21/2009	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	8/21/2009	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	8/21/2009	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	8/21/2009	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	8/21/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	8/21/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	8/21/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	8/21/2009	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	8/21/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	8/21/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
Ethylbenzene	BQL	1.00	0.0770	1	8/21/2009	
2-hexanone	BQL	50.0	0.720	1	8/21/2009	
Iodomethane	BQL	10.0	0.0420	1	8/21/2009	
Methylene chloride	BQL	1.00	0.0980	1	8/21/2009	
4-methyl-2-pentanone	BQL	100	0.550	1	8/21/2009	
Styrene	BQL	1.00	0.0850	1	8/21/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	8/21/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	8/21/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	8/21/2009	
Toluene	BQL	1.00	0.0760	1	8/21/2009	
Trichloroethene	BQL	1.00	0.0540	1	8/21/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	8/21/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	8/21/2009	

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW13-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-3A
 Lab Project ID: G1081-2

Analyzed By: CLP
 Date Collected: 8/11/2009 10:28
 Date Received: 8/12/2009
 Matrix: Water
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	8/21/2009	
Acetonitrile	BQL	55.0	2.58	1	8/21/2009	
Acrylonitrile	BQL	200	2.93	1	8/21/2009	
Benzene	BQL	1.00	0.0650	1	8/21/2009	
Bromochloromethane	BQL	3.00	0.101	1	8/21/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	8/21/2009	
Bromoform	BQL	3.00	0.120	1	8/21/2009	
Bromomethane	BQL	10.0	0.133	1	8/21/2009	
2-butanone	BQL	100	0.544	1	8/21/2009	
Carbon disulfide	BQL	100	0.0690	1	8/21/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	8/21/2009	
Chlorobenzene	BQL	3.00	0.0820	1	8/21/2009	
Chloroethane	BQL	10.0	0.106	1	8/21/2009	
Chloroform	BQL	5.00	0.0790	1	8/21/2009	
Chloromethane	BQL	1.00	0.146	1	8/21/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	8/21/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	8/21/2009	
Dibromomethane	BQL	10.0	0.113	1	8/21/2009	
1,2-Dibromoethane	BQL	1.00	0.124	1	8/21/2009	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	8/21/2009	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	8/21/2009	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	8/21/2009	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	8/21/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	8/21/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	8/21/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	8/21/2009	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	8/21/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	8/21/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
Ethylbenzene	BQL	1.00	0.0770	1	8/21/2009	
2-hexanone	BQL	50.0	0.720	1	8/21/2009	
Iodomethane	BQL	10.0	0.0420	1	8/21/2009	
Methylene chloride	BQL	1.00	0.0980	1	8/21/2009	
4-methyl-2-pentanone	BQL	100	0.550	1	8/21/2009	
Styrene	BQL	1.00	0.0850	1	8/21/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	8/21/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	8/21/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	8/21/2009	
Toluene	BQL	1.00	0.0760	1	8/21/2009	
Trichloroethene	BQL	1.00	0.0540	1	8/21/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	8/21/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	8/21/2009	

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW13-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-3A
 Lab Project ID: G1081-2

Analyzed By: CLP
 Date Collected: 8/11/2009 10:28
 Date Received: 8/12/2009
 Matrix: Water
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	8/21/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	8/21/2009	
Vinyl acetate	BQL	50.0	0.100	1	8/21/2009	
Vinyl chloride	BQL	1.00	0.149	1	8/21/2009	
Total Xylene	BQL	5.00	0.0650	1	8/21/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.6	106
Toluene-d8	10	9.53	95
4-Bromofluorobenzene	10	9.38	94

Comments:

Flags:

BQL = Below Quantitation Limits.
 J = Detected below the quantitation limit.

Analyst:

Reviewed By:

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW9A-081109
Client Project ID: C&D Landfill, Inc.
Lab Sample ID: G1081-2-4A
Lab Project ID: G1081-2

Analyzed By: CLP
Date Collected: 8/11/2009 11:25
Date Received: 8/12/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	8/21/2009	
Acetonitrile	BQL	55.0	2.58	1	8/21/2009	
Acrylonitrile	BQL	200	2.93	1	8/21/2009	
Benzene	BQL	1.00	0.0650	1	8/21/2009	
Bromochloromethane	0.480	3.00	0.101	1	8/21/2009	J
Bromodichloromethane	0.970	1.00	0.0760	1	8/21/2009	J
Bromoform	3.48	3.00	0.120	1	8/21/2009	
Bromomethane	BQL	10.0	0.133	1	8/21/2009	
2-butanone	BQL	100	0.544	1	8/21/2009	
Carbon disulfide	BQL	100	0.0690	1	8/21/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	8/21/2009	
Chlorobenzene	BQL	3.00	0.0820	1	8/21/2009	
Chloroethane	BQL	10.0	0.106	1	8/21/2009	
Chloroform	0.640	5.00	0.0790	1	8/21/2009	J
Chloromethane	0.330	1.00	0.146	1	8/21/2009	J
Dibromochloromethane	2.80	3.00	0.0900	1	8/21/2009	J
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	8/21/2009	
Dibromomethane	1.13	10.0	0.113	1	8/21/2009	J
1,2-Dibromoethane	BQL	1.00	0.124	1	8/21/2009	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	8/21/2009	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	8/21/2009	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	8/21/2009	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	8/21/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	8/21/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	8/21/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	8/21/2009	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	8/21/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	8/21/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
Ethylbenzene	0.950	1.00	0.0770	1	8/21/2009	J
2-hexanone	BQL	50.0	0.720	1	8/21/2009	
Iodomethane	BQL	10.0	0.0420	1	8/21/2009	
Methylene chloride	BQL	1.00	0.0980	1	8/21/2009	
4-methyl-2-pentanone	BQL	100	0.550	1	8/21/2009	
Styrene	BQL	1.00	0.0850	1	8/21/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	8/21/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	8/21/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	8/21/2009	
Toluene	BQL	1.00	0.0760	1	8/21/2009	
Trichloroethene	BQL	1.00	0.0540	1	8/21/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	8/21/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	8/21/2009	

**Results for Volatiles
by GCMS 8260 Appendix I**

Client Sample ID: MW9A-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-4A
 Lab Project ID: G1081-2

Analyzed By: CLP
 Date Collected: 8/11/2009 11:25
 Date Received: 8/12/2009
 Matrix: Water
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	8/21/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	8/21/2009	
Vinyl acetate	BQL	50.0	0.100	1	8/21/2009	
Vinyl chloride	BQL	1.00	0.149	1	8/21/2009	
Total Xylene	2.77	5.00	0.0650	1	8/21/2009	J

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.4	104
Toluene-d8	10	9.5	95
4-Bromofluorobenzene	10	9.76	98

Comments:

Flags:

BQL = Below Quantitation Limits.
 J = Detected below the quantitation limit.

Analyst: 

Reviewed By: 

**Results for Volatiles
by GCMS 8260 Appendix II**

Client Sample ID: MW10-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-5A
 Lab Project ID: G1081-2

Analyzed By: DVO
 Date Collected: 8/10/2009 11:57
 Date Received: 8/12/2009
 Matrix: Water
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	8/21/2009	
Acetonitrile	BQL	55.0	2.58	1	8/21/2009	
Acrolein	BQL	53.0	2.93	1	8/21/2009	
Acrylonitrile	BQL	200	2.93	1	8/21/2009	
Allyl chloride	BQL	10.0	0.238	1	8/21/2009	
Benzene	BQL	1.00	0.0650	1	8/21/2009	
Bromochloromethane	BQL	3.00	0.101	1	8/21/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	8/21/2009	
Bromoform	BQL	3.00	0.120	1	8/21/2009	
Bromomethane	BQL	10.0	0.133	1	8/21/2009	
2-Butanone	BQL	100	0.544	1	8/21/2009	
Carbon disulfide	BQL	100	0.0690	1	8/21/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	8/21/2009	
Chlorobenzene	BQL	3.00	0.0820	1	8/21/2009	
Chloroethane	BQL	10.0	0.106	1	8/21/2009	
Chloroform	BQL	5.00	0.0790	1	8/21/2009	
Chloromethane	BQL	1.00	0.146	1	8/21/2009	
Chloroprene	BQL	20.0	0.292	1	8/21/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	8/21/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	8/21/2009	
Dibromomethane	BQL	10.0	0.113	1	8/21/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	8/21/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	8/21/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	8/21/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	8/21/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	8/21/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	8/21/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	8/21/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	8/21/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	8/21/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	8/21/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	8/21/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	8/21/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	8/21/2009	
Ethylbenzene	BQL	1.00	0.0770	1	8/21/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	8/21/2009	
2-Hexanone	BQL	50.0	0.720	1	8/21/2009	
Isobutanol	BQL	100	17.1	1	8/21/2009	
Iodomethane	BQL	10.0	0.0420	1	8/21/2009	
Methacrylonitrile	BQL	100	4.08	1	8/21/2009	
Methylene chloride	BQL	1.00	0.0980	1	8/21/2009	

**Results for Volatiles
by GCMS 8260 Appendix II**

Client Sample ID: MW11-081009
Client Project ID: C&D Landfill, Inc.
Lab Sample ID: G1081-2-6A
Lab Project ID: G1081-2

Analyzed By: DVO
Date Collected: 8/10/2009 13:53
Date Received: 8/12/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	8/21/2009	
Acetonitrile	BQL	55.0	2.58	1	8/21/2009	
Acrolein	BQL	53.0	2.93	1	8/21/2009	
Acrylonitrile	BQL	200	2.93	1	8/21/2009	
Allyl chloride	BQL	10.0	0.238	1	8/21/2009	
Benzene	BQL	1.00	0.0650	1	8/21/2009	
Bromochloromethane	BQL	3.00	0.101	1	8/21/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	8/21/2009	
Bromoform	BQL	3.00	0.120	1	8/21/2009	
Bromomethane	BQL	10.0	0.133	1	8/21/2009	
2-Butanone	BQL	100	0.544	1	8/21/2009	
Carbon disulfide	BQL	100	0.0690	1	8/21/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	8/21/2009	
Chlorobenzene	BQL	3.00	0.0820	1	8/21/2009	
Chloroethane	BQL	10.0	0.106	1	8/21/2009	
Chloroform	BQL	5.00	0.0790	1	8/21/2009	
Chloromethane	0.290	1.00	0.146	1	8/21/2009	J
Chloroprene	BQL	20.0	0.292	1	8/21/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	8/21/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	8/21/2009	
Dibromomethane	BQL	10.0	0.113	1	8/21/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	8/21/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	8/21/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	8/21/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	8/21/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	8/21/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	8/21/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	8/21/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	8/21/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	8/21/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	8/21/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	8/21/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	8/21/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	8/21/2009	
Ethylbenzene	BQL	1.00	0.0770	1	8/21/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	8/21/2009	
2-Hexanone	BQL	50.0	0.720	1	8/21/2009	
Isobutanol	BQL	100	17.1	1	8/21/2009	
Iodomethane	BQL	10.0	0.0420	1	8/21/2009	
Methacrylonitrile	BQL	100	4.08	1	8/21/2009	
Methylene chloride	BQL	1.00	0.0980	1	8/21/2009	

**Results for Volatiles
by GCMS 8260 Appendix II**

Client Sample ID: MW12s-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-8A
 Lab Project ID: G1081-2

Analyzed By: CLP
 Date Collected: 8/11/2009 9:13
 Date Received: 8/12/2009
 Matrix: Water
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	8/21/2009	
Acetonitrile	BQL	55.0	2.58	1	8/21/2009	
Acrolein	BQL	53.0	2.93	1	8/21/2009	
Acrylonitrile	BQL	200	2.93	1	8/21/2009	
Allyl chloride	BQL	10.0	0.238	1	8/21/2009	
Benzene	BQL	1.00	0.0650	1	8/21/2009	
Bromochloromethane	BQL	3.00	0.101	1	8/21/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	8/21/2009	
Bromoform	BQL	3.00	0.120	1	8/21/2009	
Bromomethane	BQL	10.0	0.133	1	8/21/2009	
2-Butanone	BQL	100	0.544	1	8/21/2009	
Carbon disulfide	BQL	100	0.0690	1	8/21/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	8/21/2009	
Chlorobenzene	BQL	3.00	0.0820	1	8/21/2009	
Chloroethane	BQL	10.0	0.106	1	8/21/2009	
Chloroform	BQL	5.00	0.0790	1	8/21/2009	
Chloromethane	BQL	1.00	0.146	1	8/21/2009	
Chloroprene	BQL	20.0	0.292	1	8/21/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	8/21/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	8/21/2009	
Dibromomethane	BQL	10.0	0.113	1	8/21/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	8/21/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	8/21/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	8/21/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	8/21/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	8/21/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	8/21/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	8/21/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	8/21/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	8/21/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	8/21/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	8/21/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	8/21/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	8/21/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	8/21/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	8/21/2009	
Ethylbenzene	BQL	1.00	0.0770	1	8/21/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	8/21/2009	
2-Hexanone	BQL	50.0	0.720	1	8/21/2009	
Isobutanol	BQL	100	17.1	1	8/21/2009	
Iodomethane	BQL	10.0	0.0420	1	8/21/2009	
Methacrylonitrile	BQL	100	4.08	1	8/21/2009	
Methylene chloride	BQL	1.00	0.0980	1	8/21/2009	

**Results for Semivolatiles
by GCMS 8270-Appendix II**

Client Sample ID: MW10-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-5R
 Lab Project ID: G1081-2

Analyzed By: EAW
 Date Collected: 8/10/2009 11:57
 Date Received: 8/12/2009
 Date Extracted: 8/14/2009
 Matrix: Water

Initial Volume: 905 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Di-n-octylphthalate	BQL	5.52	1.18	1	8/21/2009	
4,6-Dinitro-2-methylphenol	BQL	27.6	0.608	1	8/21/2009	
m-Dinitrobenzene	BQL	5.52	0.818	1	8/21/2009	
2,4-Dinitrophenol	BQL	27.6	0.807	1	8/21/2009	
2,4-Dinitrotoluene	BQL	5.52	1.34	1	8/21/2009	
2,6-Dinitrotoluene	BQL	5.52	1.47	1	8/21/2009	
Dinoseb	BQL	27.6	4.82	1	8/21/2009	
Diphenylamine *	BQL	5.52	1.48	1	8/21/2009	
Disulfoton	BQL	5.52	0.094	1	8/21/2009	
Ethylmethanesulfonate	BQL	5.52	1.10	1	8/21/2009	
Famphur	BQL	27.6	7.82	1	8/21/2009	
Fluoranthene	BQL	5.52	1.52	1	8/21/2009	
Fluorene	BQL	5.52	1.41	1	8/21/2009	
Hexachlorobenzene	BQL	27.6	1.81	1	8/21/2009	
Hexachlorobutadiene	BQL	5.52	0.685	1	8/21/2009	
Hexachlorocyclopentadiene	BQL	11.0	11.0	1	8/21/2009	
Hexachloroethane	BQL	5.52	0.818	1	8/21/2009	
Hexachlorophene	BQL	5.52	2.51	1	8/21/2009	
Hexachloropropene	BQL	11.0	0.541	1	8/21/2009	
Indeno(1,2,3-c,d)pyrene	BQL	5.52	1.15	1	8/21/2009	
Isodrin	BQL	5.52	1.48	1	8/21/2009	
Isophorone	BQL	5.52	1.07	1	8/21/2009	
Isosafrole	BQL	5.52	1.05	1	8/21/2009	
Kepone	BQL	27.6	15.8	1	8/21/2009	
Methapyrilene	BQL	5.52	5.52	1	8/21/2009	
Methyl parathion	BQL	5.52	2.98	1	8/21/2009	
Methylmethanesulfonate	BQL	5.52	1.18	1	8/21/2009	
2-Methylnaphthalene	BQL	5.52	0.912	1	8/21/2009	
2-Methylphenol	BQL	5.52	0.851	1	8/21/2009	
3- & 4-Methylphenol	BQL	5.52	1.86	1	8/21/2009	
3-Methylcholanthrene	BQL	5.52	0.646	1	8/21/2009	
Naphthalene	BQL	5.52	0.867	1	8/21/2009	
1,4-Naphthoquinone	BQL	5.52	1.24	1	8/21/2009	
1-Naphthylamine	BQL	27.6	0.608	1	8/21/2009	
2-Naphthylamine	BQL	27.6	0.448	1	8/21/2009	
5-Nitro-o-toluidine	BQL	5.52	0.657	1	8/21/2009	
2-Nitroaniline	BQL	5.52	1.51	1	8/21/2009	
3-Nitroaniline	BQL	27.6	1.33	1	8/21/2009	
4-Nitroaniline	BQL	27.6	1.15	1	8/21/2009	
Nitrobenzene	BQL	5.52	1.10	1	8/21/2009	
2-Nitrophenol	BQL	5.52	0.989	1	8/21/2009	
4-Nitrophenol	BQL	27.6	0.989	1	8/21/2009	
4-Nitroquinoline-1-oxide	BQL	27.6	5.52	1	8/21/2009	
N-Nitroso-di-n-butylamine	BQL	5.52	0.768	1	8/21/2009	
N-Nitrosodi-n-propylamine	BQL	5.52	1.66	1	8/21/2009	
N-Nitrosodiethylamine	BQL	5.52	1.41	1	8/21/2009	
N-Nitrosodimethylamine	BQL	5.52	0.961	1	8/21/2009	

**Results for Semivolatiles
by GCMS 8270-Appendix II**

Client Sample ID: MW10-081009
Client Project ID: C&D Landfill, Inc.
Lab Sample ID: G1081-2-5R
Lab Project ID: G1081-2

Analyzed By: EAW
Date Collected: 8/10/2009 11:57
Date Received: 8/12/2009
Date Extracted: 8/14/2009
Matrix: Water

Initial Volume: 905 mL

Compound	Result ug/L	RL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
N-Nitrosomethylethylamine	BQL	5.52	6.96	1	8/21/2009	
N-Nitrosomorpholine	BQL	5.52	0.685	1	8/21/2009	
N-Nitrosopiperidine	BQL	5.52	1.81	1	8/21/2009	
N-Nitrosopyrrolidine	BQL	5.52	3.88	1	8/21/2009	
Parathion	BQL	11.0	0.663	1	8/21/2009	
Pentachlorobenzene	BQL	5.52	1.24	1	8/21/2009	
Pentachloronitrobenzene	BQL	5.52	1.33	1	8/21/2009	
Pentachlorophenol	BQL	27.6	1.56	1	8/21/2009	
Phenacetin	BQL	5.52	1.28	1	8/21/2009	
Phenanthrene	BQL	5.52	1.33	1	8/21/2009	
Phenol	BQL	5.52	1.01	1	8/21/2009	
p-Phenylenediamine	BQL	11.0	2.11	1	8/21/2009	
Phorate	BQL	11.0	0.470	1	8/21/2009	
2-Piccoline	BQL	5.52	0.917	1	8/21/2009	
Pronamide	BQL	5.52	0.674	1	8/21/2009	
Pyrene	BQL	5.52	1.28	1	8/21/2009	
Pyridine	BQL	5.52	2.10	1	8/21/2009	
Safrole	BQL	5.52	1.07	1	8/21/2009	
Sulfotep	BQL	5.52	0.790	1	8/21/2009	
1,2,4,5-Tetrachlorobenzene	BQL	5.52	0.840	1	8/21/2009	
2,3,4,6-Tetrachlorophenol	BQL	5.52	0.608	1	8/21/2009	
Thionazin	BQL	11.0	2.81	1	8/21/2009	
o-Toluidine	BQL	5.52	0.906	1	8/21/2009	
1,2,4-Trichlorobenzene	BQL	5.52	0.856	1	8/21/2009	
2,4,5-Trichlorophenol	BQL	5.52	1.26	1	8/21/2009	
2,4,6-Trichlorophenol	BQL	5.52	1.02	1	8/21/2009	
O,O,O-Triethylphosphorothioate	BQL	5.52	1.37	1	8/21/2009	
1,3,5-Trinitrobenzene	BQL	27.6	1.17	1	8/21/2009	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.6	96
2-Fluorophenol	10	8	80
Nitrobenzene-d5	10	9	90
Phenol-d6	10	8.5	85
2,4,6-Tribromophenol	10	8.4	84
4-Terphenyl-d14	10	13.5	135

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

**Results for Semivolatiles
by GCMS 8270-Appendix II**

Client Sample ID: MW11-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-6R
 Lab Project ID: G1081-2

Analyzed By: EAW
 Date Collected: 8/10/2009 13:53
 Date Received: 8/12/2009
 Date Extracted: 8/14/2009
 Matrix: Water

Initial Volume: 920 mL

Compound	Result	RL	Dilution	Date
	ug/L	ug/L	Factor	Analyzed
Acenaphthene	BQL	5.43	1	8/21/2009
Acenaphthylene	BQL	5.43	1	8/21/2009
Acetophenone	BQL	5.43	1	8/21/2009
2-Acetylaminofluorene	BQL	10.9	1	8/21/2009
4-Aminobiphenyl	BQL	5.43	1	8/21/2009
Aniline	BQL	5.43	1	8/21/2009
Anthracene	BQL	5.43	1	8/21/2009
Aramite	BQL	5.43	1	8/21/2009
Benzidine	BQL	10.9	1	8/21/2009
Benzo[a]anthracene	BQL	5.43	1	8/21/2009
Benzo[a]pyrene	BQL	5.43	1	8/21/2009
Benzo[b]fluoranthene	BQL	5.43	1	8/21/2009
Benzo[g,h,i]perylene	BQL	5.43	1	8/21/2009
Benzo[k]fluoranthene	BQL	5.43	1	8/21/2009
Benzyl Alcohol	BQL	10.9	1	8/21/2009
Bis(2-chloroethoxy)methane	BQL	5.43	1	8/21/2009
Bis(2-chloroethyl)ether	BQL	5.43	1	8/21/2009
Bis(2-chloroisopropyl)ether	BQL	5.43	1	8/21/2009
Bis(2-ethylhexyl)phthalate	BQL	5.43	1	8/21/2009
4-Bromophenyl phenyl ether	BQL	5.43	1	8/21/2009
Butylbenzylphthalate	BQL	5.43	1	8/21/2009
Chlorobenzilate	BQL	5.43	1	8/21/2009
2-Chloronaphthalene	BQL	5.43	1	8/21/2009
2-Chlorophenol	BQL	5.43	1	8/21/2009
4-Chloro-3-methylphenol	BQL	5.43	1	8/21/2009
4-Chloroaniline	BQL	5.43	1	8/21/2009
4-Chlorophenyl phenyl ether	BQL	5.43	1	8/21/2009
Chrysene	BQL	5.43	1	8/21/2009
Diallate	BQL	5.43	1	8/21/2009
Dibenz[a,j]acridine	BQL	5.43	1	8/21/2009
Dibenzo[a,h]anthracene	BQL	5.43	1	8/21/2009
Dibenzofuran	BQL	5.43	1	8/21/2009
Di-n-Butylphthalate	BQL	5.43	1	8/21/2009
1,2-Dichlorobenzene	BQL	5.43	1	8/21/2009
1,3-Dichlorobenzene	BQL	5.43	1	8/21/2009
1,4-Dichlorobenzene	BQL	5.43	1	8/21/2009
3,3'-Dichlorobenzidine	BQL	10.9	1	8/21/2009
2,4-Dichlorophenol	BQL	5.43	1	8/21/2009
2,6-Dichlorophenol	BQL	5.43	1	8/21/2009
Diethylphthalate	BQL	5.43	1	8/21/2009
Dimethoate	BQL	5.43	1	8/21/2009
3,3'-Dimethylbenzidine	BQL	27.2	1	8/21/2009
a,a-Dimethylphenethylamine	BQL	27.2	1	8/21/2009
Dimethylphthalate	BQL	5.43	1	8/21/2009
p-Dimethylaminoazobenzene	BQL	5.43	1	8/21/2009
7,12-Dimethylbenz[a]anthracene	BQL	5.43	1	8/21/2009
2,4-Dimethylphenol	BQL	5.43	1	8/21/2009

**Results for Semivolatiles
by GCMS 8270-Appendix II**

Client Sample ID: MW11-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-6R
 Lab Project ID: G1081-2

Analyzed By: EAW
 Date Collected: 8/10/2009 13:53
 Date Received: 8/12/2009
 Date Extracted: 8/14/2009
 Matrix: Water

Initial Volume: 920 mL

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Di-n-octylphthalate	BQL	5.43	1	8/21/2009
4,6-Dinitro-2-methylphenol	BQL	27.2	1	8/21/2009
m-Dinitrobenzene	BQL	5.43	1	8/21/2009
2,4-Dinitrophenol	BQL	27.2	1	8/21/2009
2,4-Dinitrotoluene	BQL	5.43	1	8/21/2009
2,6-Dinitrotoluene	BQL	5.43	1	8/21/2009
Dinoseb	BQL	27.2	1	8/21/2009
Diphenylamine *	BQL	5.43	1	8/21/2009
Disulfoton	BQL	5.43	1	8/21/2009
Ethylmethanesulfonate	BQL	5.43	1	8/21/2009
Famphur	BQL	27.2	1	8/21/2009
Fluoranthene	BQL	5.43	1	8/21/2009
Fluorene	BQL	5.43	1	8/21/2009
Hexachlorobenzene	BQL	27.2	1	8/21/2009
Hexachlorobutadiene	BQL	5.43	1	8/21/2009
Hexachlorocyclopentadiene	BQL	10.9	1	8/21/2009
Hexachloroethane	BQL	5.43	1	8/21/2009
Hexachlorophene	BQL	5.43	1	8/21/2009
Hexachloropropene	BQL	10.9	1	8/21/2009
Indeno(1,2,3-c,d)pyrene	BQL	5.43	1	8/21/2009
Isodrin	BQL	5.43	1	8/21/2009
Isophorone	BQL	5.43	1	8/21/2009
Isosafrole	BQL	5.43	1	8/21/2009
Kepone	BQL	27.2	1	8/21/2009
Methapyrilene	BQL	5.43	1	8/21/2009
Methyl parathion	BQL	5.43	1	8/21/2009
Methylmethanesulfonate	BQL	5.43	1	8/21/2009
2-Methylnaphthalene	BQL	5.43	1	8/21/2009
2-Methylphenol	BQL	5.43	1	8/21/2009
3- & 4-Methylphenol	BQL	5.43	1	8/21/2009
3-Methylcholanthrene	BQL	5.43	1	8/21/2009
Naphthalene	BQL	5.43	1	8/21/2009
1,4-Naphthoquinone	BQL	5.43	1	8/21/2009
1-Naphthylamine	BQL	27.2	1	8/21/2009
2-Naphthylamine	BQL	27.2	1	8/21/2009
5-Nitro-o-toluidine	BQL	5.43	1	8/21/2009
2-Nitroaniline	BQL	5.43	1	8/21/2009
3-Nitroaniline	BQL	27.2	1	8/21/2009
4-Nitroaniline	BQL	27.2	1	8/21/2009
Nitrobenzene	BQL	5.43	1	8/21/2009
2-Nitrophenol	BQL	5.43	1	8/21/2009
4-Nitrophenol	BQL	27.2	1	8/21/2009
4-Nitroquinoline-1-oxide	BQL	27.2	1	8/21/2009
N-Nitroso-di-n-butylamine	BQL	5.43	1	8/21/2009
N-Nitrosodi-n-propylamine	BQL	5.43	1	8/21/2009
N-Nitrosodiethylamine	BQL	5.43	1	8/21/2009
N-Nitrosodimethylamine	BQL	5.43	1	8/21/2009

**Results for Semivolatiles
by GCMS 8270-Appendix II**

Client Sample ID: MW11-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-6R
 Lab Project ID: G1081-2

Analyzed By: EAW
 Date Collected: 8/10/2009 13:53
 Date Received: 8/12/2009
 Date Extracted: 8/14/2009
 Matrix: Water

Initial Volume: 920 mL

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
N-Nitrosomethylethylamine	BQL	5.43	1	8/21/2009
N-Nitrosomorpholine	BQL	5.43	1	8/21/2009
N-Nitrosopiperidine	BQL	5.43	1	8/21/2009
N-Nitrosopyrrolidine	BQL	5.43	1	8/21/2009
Parathion	BQL	10.9	1	8/21/2009
Pentachlorobenzene	BQL	5.43	1	8/21/2009
Pentachloronitrobenzene	BQL	5.43	1	8/21/2009
Pentachlorophenol	BQL	27.2	1	8/21/2009
Phenacetin	BQL	5.43	1	8/21/2009
Phenanthrene	BQL	5.43	1	8/21/2009
Phenol	BQL	5.43	1	8/21/2009
p-Phenylenediamine	BQL	10.9	1	8/21/2009
Phorate	BQL	10.9	1	8/21/2009
2-Piccoline	BQL	5.43	1	8/21/2009
Pronamide	BQL	5.43	1	8/21/2009
Pyrene	BQL	5.43	1	8/21/2009
Pyridine	BQL	5.43	1	8/21/2009
Safrole	BQL	5.43	1	8/21/2009
Sulfotep	BQL	5.43	1	8/21/2009
1,2,4,5-Tetrachlorobenzene	BQL	5.43	1	8/21/2009
2,3,4,6-Tetrachlorophenol	BQL	5.43	1	8/21/2009
Thionazin	BQL	10.9	1	8/21/2009
o-Toluidine	BQL	5.43	1	8/21/2009
1,2,4-Trichlorobenzene	BQL	5.43	1	8/21/2009
2,4,5-Trichlorophenol	BQL	5.43	1	8/21/2009
2,4,6-Trichlorophenol	BQL	5.43	1	8/21/2009
O,O,O-Triethylphosphorothioate	BQL	5.43	1	8/21/2009
1,3,5-Trinitrobenzene	BQL	27.2	1	8/21/2009

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
2-Fluorophenol	10	8.4	84
Nitrobenzene-d5	10	8.7	87
Phenol-d6	10	8.8	88
2,4,6-Tribromophenol	10	8.3	83
4-Terphenyl-d14	10	13.1	131

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: 

**Results for Semivolatiles
by GCMS 8270-Appendix II**

Client Sample ID: MW12s-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-8R
 Lab Project ID: G1081-2

Analyzed By: EAW
 Date Collected: 8/11/2009 9:13
 Date Received: 8/12/2009
 Date Extracted: 8/14/2009
 Matrix: Water

Initial Volume: 934 mL

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	5.35	1	8/21/2009
Acenaphthylene	BQL	5.35	1	8/21/2009
Acetophenone	BQL	5.35	1	8/21/2009
2-Acetylaminofluorene	BQL	10.7	1	8/21/2009
4-Aminobiphenyl	BQL	5.35	1	8/21/2009
Aniline	BQL	5.35	1	8/21/2009
Anthracene	BQL	5.35	1	8/21/2009
Aramite	BQL	5.35	1	8/21/2009
Benzidine	BQL	10.7	1	8/21/2009
Benzo[a]anthracene	BQL	5.35	1	8/21/2009
Benzo[a]pyrene	BQL	5.35	1	8/21/2009
Benzo[b]fluoranthene	BQL	5.35	1	8/21/2009
Benzo[g,h,i]perylene	BQL	5.35	1	8/21/2009
Benzo[k]fluoranthene	BQL	5.35	1	8/21/2009
Benzyl Alcohol	BQL	10.7	1	8/21/2009
Bis(2-chloroethoxy)methane	BQL	5.35	1	8/21/2009
Bis(2-chloroethyl)ether	BQL	5.35	1	8/21/2009
Bis(2-chloroisopropyl)ether	BQL	5.35	1	8/21/2009
Bis(2-ethylhexyl)phthalate	BQL	5.35	1	8/21/2009
4-Bromophenyl phenyl ether	BQL	5.35	1	8/21/2009
Butylbenzylphthalate	BQL	5.35	1	8/21/2009
Chlorobenzilate	BQL	5.35	1	8/21/2009
2-Chloronaphthalene	BQL	5.35	1	8/21/2009
2-Chlorophenol	BQL	5.35	1	8/21/2009
4-Chloro-3-methylphenol	BQL	5.35	1	8/21/2009
4-Chloroaniline	BQL	5.35	1	8/21/2009
4-Chlorophenyl phenyl ether	BQL	5.35	1	8/21/2009
Chrysene	BQL	5.35	1	8/21/2009
Diallate	BQL	5.35	1	8/21/2009
Dibenz[a,j]acridine	BQL	5.35	1	8/21/2009
Dibenzo[a,h]anthracene	BQL	5.35	1	8/21/2009
Dibenzofuran	BQL	5.35	1	8/21/2009
Di-n-Butylphthalate	BQL	5.35	1	8/21/2009
1,2-Dichlorobenzene	BQL	5.35	1	8/21/2009
1,3-Dichlorobenzene	BQL	5.35	1	8/21/2009
1,4-Dichlorobenzene	BQL	5.35	1	8/21/2009
3,3'-Dichlorobenzidine	BQL	10.7	1	8/21/2009
2,4-Dichlorophenol	BQL	5.35	1	8/21/2009
2,6-Dichlorophenol	BQL	5.35	1	8/21/2009
Diethylphthalate	BQL	5.35	1	8/21/2009
Dimethoate	BQL	5.35	1	8/21/2009
3,3'-Dimethylbenzidine	BQL	26.8	1	8/21/2009
a,a-Dimethylphenethylamine	BQL	26.8	1	8/21/2009
Dimethylphthalate	BQL	5.35	1	8/21/2009
p-Dimethylaminoazobenzene	BQL	5.35	1	8/21/2009
7,12-Dimethylbenz[a]anthracene	BQL	5.35	1	8/21/2009
2,4-Dimethylphenol	BQL	5.35	1	8/21/2009

**Results for Semivolatiles
by GCMS 8270-Appendix II**

Client Sample ID: MW12s-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-8R
 Lab Project ID: G1081-2

Analyzed By: EAW
 Date Collected: 8/11/2009 9:13
 Date Received: 8/12/2009
 Date Extracted: 8/14/2009
 Matrix: Water

Initial Volume: 934 mL

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Di-n-octylphthalate	BQL	5.35	1	8/21/2009
4,6-Dinitro-2-methylphenol	BQL	26.8	1	8/21/2009
m-Dinitrobenzene	BQL	5.35	1	8/21/2009
2,4-Dinitrophenol	BQL	26.8	1	8/21/2009
2,4-Dinitrotoluene	BQL	5.35	1	8/21/2009
2,6-Dinitrotoluene	BQL	5.35	1	8/21/2009
Dinoseb	BQL	26.8	1	8/21/2009
Diphenylamine *	BQL	5.35	1	8/21/2009
Disulfoton	BQL	5.35	1	8/21/2009
Ethylmethanesulfonate	BQL	5.35	1	8/21/2009
Famphur	BQL	26.8	1	8/21/2009
Fluoranthene	BQL	5.35	1	8/21/2009
Fluorene	BQL	5.35	1	8/21/2009
Hexachlorobenzene	BQL	26.8	1	8/21/2009
Hexachlorobutadiene	BQL	5.35	1	8/21/2009
Hexachlorocyclopentadiene	BQL	10.7	1	8/21/2009
Hexachloroethane	BQL	5.35	1	8/21/2009
Hexachlorophene	BQL	5.35	1	8/21/2009
Hexachloropropene	BQL	10.7	1	8/21/2009
Indeno(1,2,3-c,d)pyrene	BQL	5.35	1	8/21/2009
Isodrin	BQL	5.35	1	8/21/2009
Isophorone	BQL	5.35	1	8/21/2009
Isosafrole	BQL	5.35	1	8/21/2009
Kepone	BQL	26.8	1	8/21/2009
Methapyrilene	BQL	5.35	1	8/21/2009
Methyl parathion	BQL	5.35	1	8/21/2009
Methylmethanesulfonate	BQL	5.35	1	8/21/2009
2-Methylnaphthalene	BQL	5.35	1	8/21/2009
2-Methylphenol	BQL	5.35	1	8/21/2009
3- & 4-Methylphenol	BQL	5.35	1	8/21/2009
3-Methylcholanthrene	BQL	5.35	1	8/21/2009
Naphthalene	BQL	5.35	1	8/21/2009
1,4-Naphthoquinone	BQL	5.35	1	8/21/2009
1-Naphthylamine	BQL	26.8	1	8/21/2009
2-Naphthylamine	BQL	26.8	1	8/21/2009
5-Nitro-o-toluidine	BQL	5.35	1	8/21/2009
2-Nitroaniline	BQL	5.35	1	8/21/2009
3-Nitroaniline	BQL	26.8	1	8/21/2009
4-Nitroaniline	BQL	26.8	1	8/21/2009
Nitrobenzene	BQL	5.35	1	8/21/2009
2-Nitrophenol	BQL	5.35	1	8/21/2009
4-Nitrophenol	BQL	26.8	1	8/21/2009
4-Nitroquinoline-1-oxide	BQL	26.8	1	8/21/2009
N-Nitroso-di-n-butylamine	BQL	5.35	1	8/21/2009
N-Nitrosodi-n-propylamine	BQL	5.35	1	8/21/2009
N-Nitrosodiethylamine	BQL	5.35	1	8/21/2009
N-Nitrosodimethylamine	BQL	5.35	1	8/21/2009

**Results for Semivolatiles
by GCMS 8270-Appendix II**

Client Sample ID: MW12s-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-8R
 Lab Project ID: G1081-2

Analyzed By: EAW
 Date Collected: 8/11/2009 9:13
 Date Received: 8/12/2009
 Date Extracted: 8/14/2009
 Matrix: Water

Initial Volume: 934 mL

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
N-Nitrosomethylethylamine	BQL	5.35	1	8/21/2009
N-Nitrosomorpholine	BQL	5.35	1	8/21/2009
N-Nitrosopiperidine	BQL	5.35	1	8/21/2009
N-Nitrosopyrrolidine	BQL	5.35	1	8/21/2009
Parathion	BQL	10.7	1	8/21/2009
Pentachlorobenzene	BQL	5.35	1	8/21/2009
Pentachloronitrobenzene	BQL	5.35	1	8/21/2009
Pentachlorophenol	BQL	26.8	1	8/21/2009
Phenacetin	BQL	5.35	1	8/21/2009
Phenanthrene	BQL	5.35	1	8/21/2009
Phenol	BQL	5.35	1	8/21/2009
p-Phenylenediamine	BQL	10.7	1	8/21/2009
Phorate	BQL	10.7	1	8/21/2009
2-Piccoline	BQL	5.35	1	8/21/2009
Pronamide	BQL	5.35	1	8/21/2009
Pyrene	BQL	5.35	1	8/21/2009
Pyridine	BQL	5.35	1	8/21/2009
Safrole	BQL	5.35	1	8/21/2009
Sulfotep	BQL	5.35	1	8/21/2009
1,2,4,5-Tetrachlorobenzene	BQL	5.35	1	8/21/2009
2,3,4,6-Tetrachlorophenol	BQL	5.35	1	8/21/2009
Thionazin	BQL	10.7	1	8/21/2009
o-Toluidine	BQL	5.35	1	8/21/2009
1,2,4-Trichlorobenzene	BQL	5.35	1	8/21/2009
2,4,5-Trichlorophenol	BQL	5.35	1	8/21/2009
2,4,6-Trichlorophenol	BQL	5.35	1	8/21/2009
O,O,O-Triethylphosphorothioate	BQL	5.35	1	8/21/2009
1,3,5-Trinitrobenzene	BQL	26.8	1	8/21/2009

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
2-Fluorophenol	10	7.7	77
Nitrobenzene-d5	10	9.8	98
Phenol-d6	10	8.3	83
2,4,6-Tribromophenol	10	8.1	81
4-Terphenyl-d14	10	13.3	133

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

Results for PCBs
by EPA 8082

Client Sample ID: MW10-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-5O
 Lab Project ID: G1081-2
 Initial Wt/Vol: 937 ML
 Final Volume: 5 mL
 ColumnID: STX-CLPest

Analyzed By: BWS
 Date Collected: 8/10/2009 11:57
 Date Received: 8/12/2009
 Date Extracted: 8/12/2009
 Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	0.534	0.0672	1	08/17/09	
Aroclor-1221	BQL	0.534	0.172	1	08/17/09	
Aroclor-1232	BQL	0.534	0.120	1	08/17/09	
Aroclor-1242	BQL	0.534	0.0544	1	08/17/09	
Aroclor-1248	BQL	0.534	0.0971	1	08/17/09	
Aroclor-1254	BQL	0.534	0.157	1	08/17/09	
Aroclor-1260	BQL	0.534	0.0843	1	08/17/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	74.1	74.1
DCBP	100	70.8	70.8

Comments:

BQL = Below Quantitation Limit
 NA = Not applicable, surrogate diluted out.

Reviewed By: 

Results for PCBs
by EPA 8082

Client Sample ID: MW11-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-6O
 Lab Project ID: G1081-2
 Initial Wt/Vol: 900 ML
 Final Volume: 5 mL
 ColumnID: STX-CLPest

Analyzed By: BWS
 Date Collected: 8/10/2009 13:53
 Date Received: 8/12/2009
 Date Extracted: 8/12/2009
 Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	0.556	0.0700	1	08/17/09	
Aroclor-1221	BQL	0.556	0.179	1	08/17/09	
Aroclor-1232	BQL	0.556	0.126	1	08/17/09	
Aroclor-1242	BQL	0.556	0.0567	1	08/17/09	
Aroclor-1248	BQL	0.556	0.101	1	08/17/09	
Aroclor-1254	BQL	0.556	0.164	1	08/17/09	
Aroclor-1260	BQL	0.556	0.0878	1	08/17/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	70.8	70.8
DCBP	100	63.8	63.8

Comments:

BQL = Below Quantitation Limit
 NA = Not applicable, surrogate diluted out.

Reviewed By: 

Results for PCBs
by EPA 8082

Client Sample ID: MW12s-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-8O
 Lab Project ID: G1081-2
 Initial Wt/Vol: 934 ML
 Final Volume: 5 mL
 ColumnID: STX-CLPest

Analyzed By: BWS
 Date Collected: 8/11/2009 9:13
 Date Received: 8/12/2009
 Date Extracted: 8/12/2009
 Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL	Dilution Factor	Date Analyzed	Flags
Aroclor-1016	BQL	0.535	0.0674	1	08/17/09	
Aroclor-1221	BQL	0.535	0.172	1	08/17/09	
Aroclor-1232	BQL	0.535	0.121	1	08/17/09	
Aroclor-1242	BQL	0.535	0.0546	1	08/17/09	
Aroclor-1248	BQL	0.535	0.0974	1	08/17/09	
Aroclor-1254	BQL	0.535	0.158	1	08/17/09	
Aroclor-1260	BQL	0.535	0.0846	1	08/17/09	

Surrogate Spike Recoveries	Spike Added (ug/L)	Spike Result (ug/L)	Percent Recovered (%)
TCMX	100	78.6	78.6
DCBP	100	74.7	74.7

Comments:

BQL = Below Quantitation Limit
 NA = Not applicable, surrogate diluted out.

Reviewed By: 

**Results for Herbicides
by EPA 8151**

Client Sample ID: MW10-081009
Client Project ID: C&D Landfill, Inc.
Lab Sample ID: G1081-2-5T
Lab Project ID: G1081-2
Sample Wt/Vol: 816 ML

Analyzed By: EAW
Date Collected: 8/10/2009 11:57
Date Received: 8/12/2009
Date Extracted: 8/17/2009
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
2,4-D	BQL	0.613	1	8/24/2009
2,4,5-TP(Silvex)	BQL	0.613	1	8/24/2009
2,4,5-T	BQL	0.613	1	8/24/2009

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered	Limits
DCAA	2.0	1.3	65	35-135

Comments:

BQL = Below Quantitation Limit

Column IDs: RTX_CLPesticides / RTX_CLPesticides2

Reviewed By:



**Results for Herbicides
by EPA 8151**

Client Sample ID: MW11-081009
Client Project ID: C&D Landfill, Inc.
Lab Sample ID: G1081-2-6T
Lab Project ID: G1081-2
Sample Wt/Vol: 835 ML

Analyzed By: EAW
Date Collected: 8/10/2009 13:53
Date Received: 8/12/2009
Date Extracted: 8/17/2009
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
2,4-D	BQL	0.599	1	8/24/2009
2,4,5-TP(Silvex)	BQL	0.599	1	8/24/2009
2,4,5-T	BQL	0.599	1	8/24/2009

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered	Limits
DCAA	2.0	1.22	61	35-135

Comments:

BQL = Below Quantitation Limit

Column IDs: RTX_CLPesticides / RTX_CLPesticides2

Reviewed By: _____



**Results for Herbicides
by EPA 8151**

Client Sample ID: MW12s-081109
Client Project ID: C&D Landfill, Inc.
Lab Sample ID: G1081-2-8T
Lab Project ID: G1081-2
Sample Wt/Vol: 784 ML

Analyzed By: EAW
Date Collected: 8/11/2009 9:13
Date Received: 8/12/2009
Date Extracted: 8/17/2009
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
2,4-D	BQL	0.638	1	8/24/2009
2,4,5-TP(Silvex)	BQL	0.638	1	8/24/2009
2,4,5-T	BQL	0.638	1	8/24/2009

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered	Limits
DCAA	2.0	1.32	66	35-135

Comments:

BQL = Below Quantitation Limit

Column IDs: RTX_CLPesticides / RTX_CLPesticides2

Reviewed By:



**Results for Pesticides
by EPA 8081 Appendix II**

Client Sample ID: MW10-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-5S
 Lab Project ID: G1081-2
 Sample Wt/Vol: 903 ML

Analyzed By: DCS
 Date Collected: 8/10/2009 11:57
 Date Received: 8/12/2009
 Date Extracted: 8/14/2009
 Matrix: Water

ColumnID: STX_CLPest

Compound	Result ug/L	SWSL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
alpha-BHC	BQL	0.0500	0.0108	1.0	8/17/2009	
beta-BHC	BQL	0.0500	0.0170	1.0	8/17/2009	
delta-BHC	BQL	0.0500	0.0089	1.0	8/17/2009	
gamma-BHC (Lindane)	BQL	0.0500	0.0196	1.0	8/17/2009	
Heptachlor	BQL	0.0500	0.0196	1.0	8/17/2009	
Aldrin	BQL	0.0500	0.0110	1.0	8/17/2009	
Heptachlor epoxide	BQL	0.0750	0.0138	1.0	8/17/2009	
Endosulfan I	BQL	0.100	0.0100	1.0	8/17/2009	
Dieldrin	BQL	0.0750	0.0114	1.0	8/17/2009	
4,4'-DDE	BQL	0.100	0.0503	1.0	8/17/2009	
Endrin	BQL	0.100	0.0318	1.0	8/17/2009	
DDD	BQL	0.100	0.0166	1.0	8/17/2009	
Endosulfan II	BQL	0.100	0.0231	1.0	8/17/2009	
4,4'-DDT	BQL	0.100	0.0203	1.0	8/17/2009	
Methoxychlor	BQL	1.00	0.0435	1.0	8/17/2009	
Toxaphene	BQL	1.50	0.295	1.0	8/17/2009	
Chlordane, Total	BQL	0.500	0.0389	1.0	8/17/2009	
Endrin aldehyde	BQL	0.100	0.0493	1.0	8/17/2009	
Endosulfan sulfate	BQL	0.100	0.0180	1.0	8/17/2009	
		Spike Added	Spike Result	Percent Recovered		
TCMX		100	74.7	74.7		
DBC		100	74.5	74.5		

Comments:

BQL = Below Quantitation Limit

Reviewed By: 

**Results for Pesticides
by EPA 8081 Appendix II**

Client Sample ID: MW11-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-6S
 Lab Project ID: G1081-2
 Sample Wt/Vol: 888 ML

Analyzed By: DCS
 Date Collected: 8/10/2009 13:53
 Date Received: 8/12/2009
 Date Extracted: 8/14/2009
 Matrix: Water

ColumnID: STX_CLPest

Compound	Result ug/L	SWSL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
alpha-BHC	BQL	0.0500	0.0110	1.0	8/17/2009	
beta-BHC	BQL	0.0500	0.0173	1.0	8/17/2009	
delta-BHC	BQL	0.0500	0.0091	1.0	8/17/2009	
gamma-BHC (Lindane)	BQL	0.0500	0.0199	1.0	8/17/2009	
Heptachlor	BQL	0.0500	0.0200	1.0	8/17/2009	
Aldrin	BQL	0.0500	0.0111	1.0	8/17/2009	
Heptachlor epoxide	BQL	0.0750	0.0141	1.0	8/17/2009	
Endosulfan I	BQL	0.100	0.0101	1.0	8/17/2009	
Dieldrin	BQL	0.0750	0.0116	1.0	8/17/2009	
4,4'-DDE	BQL	0.100	0.0511	1.0	8/17/2009	
Endrin	BQL	0.100	0.0323	1.0	8/17/2009	
DDD	BQL	0.100	0.0169	1.0	8/17/2009	
Endosulfan II	BQL	0.100	0.0235	1.0	8/17/2009	
4,4'-DDT	BQL	0.100	0.0207	1.0	8/17/2009	
Methoxychlor	BQL	1.00	0.0442	1.0	8/17/2009	
Toxaphene	BQL	1.50	0.300	1.0	8/17/2009	
Chlordane, Total	BQL	0.500	0.0395	1.0	8/17/2009	
Endrin aldehyde	BQL	0.100	0.0501	1.0	8/17/2009	
Endosulfan sulfate	BQL	0.100	0.0183	1.0	8/17/2009	
		Spike Added	Spike Result	Percent Recovered		
TCMX		100	77.0	77.0		
DBC		100	73.0	73.0		

Comments:

BQL = Below Quantitation Limit

Reviewed By:

**Results for Pesticides
by EPA 8081 Appendix II**

Client Sample ID: MW12s-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-8S
 Lab Project ID: G1081-2
 Sample Wt/Vol: 932 ML

Analyzed By: DCS
 Date Collected: 8/11/2009 09:13
 Date Received: 8/12/2009
 Date Extracted: 8/14/2009

ColumnID: STX_CLPest Matrix: Water

Compound	Result ug/L	SWSL ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flags
alpha-BHC	BQL	0.0500	0.0105	1.0	8/17/2009	
beta-BHC	BQL	0.0500	0.0165	1.0	8/17/2009	
delta-BHC	BQL	0.0500	0.0086	1.0	8/17/2009	
gamma-BHC (Lindane)	BQL	0.0500	0.0190	1.0	8/17/2009	
Heptachlor	BQL	0.0500	0.0190	1.0	8/17/2009	
Aldrin	BQL	0.0500	0.0106	1.0	8/17/2009	
Heptachlor epoxide	BQL	0.0750	0.0134	1.0	8/17/2009	
Endosulfan I	BQL	0.100	0.0097	1.0	8/17/2009	
Dieldrin	BQL	0.0750	0.0110	1.0	8/17/2009	
4,4'-DDE	BQL	0.100	0.0487	1.0	8/17/2009	
Endrin	BQL	0.100	0.0308	1.0	8/17/2009	
DDD	BQL	0.100	0.0161	1.0	8/17/2009	
Endosulfan II	BQL	0.100	0.0224	1.0	8/17/2009	
4,4'-DDT	BQL	0.100	0.0197	1.0	8/17/2009	
Methoxychlor	BQL	1.00	0.0421	1.0	8/17/2009	
Toxaphene	BQL	1.50	0.286	1.0	8/17/2009	
Chlordane, Total	BQL	0.500	0.0377	1.0	8/17/2009	
Endrin aldehyde	BQL	0.100	0.0477	1.0	8/17/2009	
Endosulfan sulfate	BQL	0.100	0.0174	1.0	8/17/2009	
		Spike Added	Spike Result	Percent Recovered		
TCMX		100	71.0	71.0		
DBC		100	77.5	77.5		

Comments:

BQL = Below Quantitation Limit

Reviewed By:  _____

Results for Metals

Client Sample ID: MW14s-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-1
 Lab Project ID: G1081-2
 ICP InitWt/Vol: 50 mL Final Vol: 50 mL
 Hg InitWt/Vol: Final Vol:
 Prep Batch: 14893

Analyzed By: PSW
 Date Collected: 8/10/2009 09:00
 Date Received: 8/12/2009
 Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	8/19/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	8/17/2009	
Barium	0.111	0.100	0.00206	1	MG/L	6010B	8/17/2009	B
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	8/25/2009	
Cadmium	0.000230	0.00100	0.000158	10	MG/L	6020	8/25/2009	J
Chromium	0.00283	0.0100	0.00146	1	MG/L	6010B	8/17/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	8/17/2009	
Copper	0.00134	0.0100	0.00129	1	MG/L	6010B	8/17/2009	J
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	8/17/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	8/17/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	8/17/2009	
Silver	0.00719	0.0100	0.000656	1	MG/L	6010B	8/17/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	8/25/2009	
Vanadium	BQL	0.00250	0.000586	10	MG/L	6020	8/25/2009	
Zinc	0.00148	0.0100	0.00129	1	MG/L	6010B	8/17/2009	JB

Comments

BQL = Below Quantitation Limits
 DF = Dilution Factor
 J = Between MDL and RL
 B= Amount in Prep Blank > MDL

Results for Metals

Client Sample ID: MW14d-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-2
 Lab Project ID: G1081-2
 ICP InitWt/Vol: 50 mL Final Vol: 50 mL
 Hg InitWt/Vol: Final Vol:
 Prep Batch: 14893

Analyzed By: PSW
 Date Collected: 8/10/2009 10:05
 Date Received: 8/12/2009
 Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	8/19/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	8/17/2009	
Barium	0.0139	0.100	0.00206	1	MG/L	6010B	8/17/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	8/25/2009	
Cadmium	0.000400	0.00100	0.000158	10	MG/L	6020	8/25/2009	J
Chromium	0.00424	0.0100	0.00146	1	MG/L	6010B	8/17/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	8/17/2009	
Copper	BQL	0.0100	0.00129	1	MG/L	6010B	8/17/2009	
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	8/17/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	8/17/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	8/17/2009	
Silver	0.00677	0.0100	0.000656	1	MG/L	6010B	8/17/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	8/25/2009	
Vanadium	BQL	0.00250	0.000586	10	MG/L	6020	8/25/2009	
Zinc	BQL	0.0100	0.00129	1	MG/L	6010B	8/17/2009	B

Comments

BQL = Below Quantitation Limits
 DF = Dilution Factor
 J = Between MDL and RL
 B= Amount in Prep Blank > MDL

Results for Metals

Client Sample ID: MW13-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-3
 Lab Project ID: G1081-2
 ICP InitWt/Vol: 50 mL
 Hg InitWt/Vol: 50 mL
 Prep Batch: 14893

Analyzed By: PSW
 Date Collected: 8/11/2009 10:28
 Date Received: 8/12/2009
 Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	8/19/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	8/17/2009	
Barium	0.0441	0.100	0.00206	1	MG/L	6010B	8/17/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	8/25/2009	
Cadmium	0.000160	0.00100	0.000158	10	MG/L	6020	8/25/2009	J
Chromium	0.00177	0.0100	0.00146	1	MG/L	6010B	8/17/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	8/17/2009	
Copper	0.00133	0.0100	0.00129	1	MG/L	6010B	8/17/2009	J
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	8/17/2009	
Nickel	0.00244	0.0500	0.00236	1	MG/L	6010B	8/17/2009	J
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	8/17/2009	
Silver	0.00691	0.0100	0.000656	1	MG/L	6010B	8/17/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	8/25/2009	
Vanadium	BQL	0.00250	0.000586	10	MG/L	6020	8/25/2009	
Zinc	0.00463	0.0100	0.00129	1	MG/L	6010B	8/17/2009	JB

Comments

BQL = Below Quantitation Limits
 DF = Dilution Factor
 J = Between MDL and RL
 B= Amount in Prep Blank > MDL

Results for Metals

Client Sample ID: MW9A-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-4
 Lab Project ID: G1081-2
 ICP InitWt/Vol: 50 mL Final Vol: 50 mL
 Hg InitWt/Vol: Final Vol:
 Prep Batch: 14893

Analyzed By: PSW
 Date Collected: 8/11/2009 11:25
 Date Received: 8/12/2009
 Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	8/19/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	8/17/2009	
Barium	0.112	0.100	0.00206	1	MG/L	6010B	8/17/2009	B
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	8/25/2009	
Cadmium	0.000160	0.00100	0.000158	10	MG/L	6020	8/25/2009	J
Chromium	0.00300	0.0100	0.00146	1	MG/L	6010B	8/17/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	8/17/2009	
Copper	0.00213	0.0100	0.00129	1	MG/L	6010B	8/17/2009	J
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	8/17/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	8/17/2009	
Selenium	0.00661	0.0100	0.00278	1	MG/L	6010B	8/17/2009	J
Silver	0.00715	0.0100	0.000656	1	MG/L	6010B	8/17/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	8/25/2009	
Vanadium	BQL	0.00250	0.000586	10	MG/L	6020	8/25/2009	
Zinc	0.00166	0.0100	0.00129	1	MG/L	6010B	8/17/2009	JB

Comments

BQL = Below Quantitation Limits
 DF = Dilution Factor
 J = Between MDL and RL
 B= Amount in Prep Blank > MDL

Results for Metals

Client Sample ID: MW10-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-5
 Lab Project ID: G1081-2
 ICP InitWt/Vol: 50 mL Final Vol: 50 mL
 Hg InitWt/Vol: 40 mL Final Vol: 57 mL
 Prep Batch: 14889 14893

Analyzed By: PSW
 Date Collected: 8/10/2009 11:57
 Date Received: 8/12/2009
 Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	8/19/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	8/17/2009	
Barium	0.0761	0.100	0.00206	1	MG/L	6010B	8/17/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	8/25/2009	
Cadmium	0.000170	0.00100	0.000158	10	MG/L	6020	8/25/2009	J
Chromium	0.00300	0.0100	0.00146	1	MG/L	6010B	8/17/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	8/17/2009	
Copper	0.00234	0.0100	0.00129	1	MG/L	6010B	8/17/2009	J
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	8/17/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	8/13/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	8/17/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	8/17/2009	
Silver	0.00695	0.0100	0.000656	1	MG/L	6010B	8/17/2009	JB
Thallium	BQL	0.00100	0.000198	10	MG/L	6020	8/25/2009	
Tin	0.00536	0.100	0.00180	1	MG/L	6010B	8/26/2009	JB
Vanadium	BQL	0.00100	0.000586	10	MG/L	6020	8/25/2009	
Zinc	BQL	0.0100	0.00129	1	MG/L	6010B	8/17/2009	B

Comments

BQL = Below Quantitation Limits
 DF = Dilution Factor
 J = Between MDL and RL
 B= Amount in Prep Blank > MDL

Results for Metals

Client Sample ID: MW11-081009
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-6
 Lab Project ID: G1081-2
 ICP InitWt/Vol: 50 mL Final Vol: 50 mL
 Hg InitWt/Vol: 40 mL Final Vol: 57 mL
 Prep Batch: 14889 14893

Analyzed By: PSW
 Date Collected: 8/10/2009 13:53
 Date Received: 8/12/2009
 Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	8/19/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	8/17/2009	
Barium	0.0398	0.100	0.00206	1	MG/L	6010B	8/17/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	8/25/2009	
Cadmium	0.000300	0.00100	0.000158	10	MG/L	6020	8/25/2009	J
Chromium	0.00309	0.0100	0.00146	1	MG/L	6010B	8/17/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	8/17/2009	
Copper	0.00244	0.0100	0.00129	1	MG/L	6010B	8/17/2009	J
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	8/17/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	8/13/2009	
Nickel	0.00275	0.0500	0.00236	1	MG/L	6010B	8/17/2009	J
Selenium	0.00422	0.0100	0.00278	1	MG/L	6010B	8/17/2009	J
Silver	0.00692	0.0100	0.000656	1	MG/L	6010B	8/17/2009	JB
Thallium	BQL	0.00100	0.000198	10	MG/L	6020	8/25/2009	
Tin	0.00602	0.100	0.00180	1	MG/L	6010B	8/26/2009	JB
Vanadium	BQL	0.00100	0.000586	10	MG/L	6020	8/25/2009	
Zinc	BQL	0.0100	0.00129	1	MG/L	6010B	8/17/2009	B

Comments

BQL = Below Quantitation Limits
 DF = Dilution Factor
 J = Between MDL and RL
 B= Amount in Prep Blank > MDL

Results for Metals

Client Sample ID: MW12s-081109
 Client Project ID: C&D Landfill, Inc.
 Lab Sample ID: G1081-2-8
 Lab Project ID: G1081-2
 ICP InitWt/Vol: 50 mL Final Vol: 50 mL
 Hg InitWt/Vol: 40 mL Final Vol: 57 mL
 Prep Batch: 14889 14893

Analyzed By: PSW
 Date Collected: 8/11/2009 09:13
 Date Received: 8/12/2009
 Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	8/19/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	8/17/2009	
Barium	0.0566	0.100	0.00206	1	MG/L	6010B	8/17/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	8/25/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	8/25/2009	
Chromium	0.00248	0.0100	0.00146	1	MG/L	6010B	8/17/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	8/17/2009	
Copper	0.00186	0.0100	0.00129	1	MG/L	6010B	8/17/2009	J
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	8/17/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	8/13/2009	
Nickel	0.00243	0.0500	0.00236	1	MG/L	6010B	8/17/2009	J
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	8/17/2009	
Silver	0.00687	0.0100	0.000656	1	MG/L	6010B	8/17/2009	JB
Thallium	BQL	0.00100	0.000198	10	MG/L	6020	8/25/2009	
Tin	0.00400	0.100	0.00180	1	MG/L	6010B	8/26/2009	JB
Vanadium	0.00142	0.00100	0.000586	10	MG/L	6020	8/25/2009	
Zinc	BQL	0.0100	0.00129	1	MG/L	6010B	8/17/2009	B

Comments

BQL = Below Quantitation Limits
 DF = Dilution Factor
 J = Between MDL and RL
 B= Amount in Prep Blank > MDL

Analytical Results

Client Sample ID: MW10-081009
Client Project ID: C&D Landfill, Inc.
Lab Sample ID: G1081-2-5
Lab Project ID: G1081-2

Date Collected: 2009-08-10 11:57:00
Date Received: 2009-08-12 11:30:00
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Total Cyanide	BQL	0.005	mg/L	SM4500CN C	08/17/09	EONE
Total Sulfide	BQL	0.05	mg/L	SM4500S2 D	08/18/09	EONE

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: 
subout

Analytical Results

Client Sample ID: MW11-081009
Client Project ID: C&D Landfill, Inc.
Lab Sample ID: G1081-2-6
Lab Project ID: G1081-2

Date Collected: 2009-08-10 13:53:00
Date Received: 2009-08-12 11:30:00
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Total Cyanide	BQL	0.005	mg/L	SM4500CN C	08/17/09	EONE
Total Sulfide	BQL	0.05	mg/L	SM4500S2 D	08/18/09	EONE

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

RL = Report Limit

Reviewed By: 
subout

Analytical Results

Client Sample ID: MW12s-081109
Client Project ID: C&D Landfill, Inc.
Lab Sample ID: G1081-2-8
Lab Project ID: G1081-2

Date Collected: 2009-08-11 09:13:00
Date Received: 2009-08-12 11:30:00
Matrix: Water

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Total Cyanide	BQL	0.005	mg/L	SM4500CN C	08/17/09	EONE
Total Sulfide	BQL	0.05	mg/L	SM4500S2 D	08/18/09	EONE

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

RL = Report Limit

Reviewed By: 
subout



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1 CLIENT: David Garrett, P.G., P.E.					SGS Reference: G1081-2					PAGE 1 OF 1									
CONTACT: Same PHONE NO.: (919) 418-4375					CONTAINERS					Preservatives Used Analysis Required C= COMP G= GRAB					4C 4D3 4D4 4D5 4D6 4D7 4D8 4D9 4D10 4D11 4D12 4D13 4D14 Appendix I VOCs Appendix I Metals Appendix II VOCs Appendix II Metals Appendix III Appendix IV 851 8082 8081 CN Substrate				
PROJECT: C & D Land Fill, Inc. SITE/PWSID#:																			
REPORTS TO: Same Email: David@DavidGarrettPE.com 5105 Harbour Towne Dr. Raleigh, NC 27604 FAX NO.: (919) 231-1818																			
INVOICE TO: Aaron Hill/ERM QUOTE #: 495 Beaumont Lane Pittsboro, NC 27312 P.O. NUMBER:																			
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No	SAMPLE TYPE	Preservatives Used	Analysis Required	C= COMP	G= GRAB	REMARKS								
✓	MW14S-081009	8/10/09	0900	GW	4	G	X	X											
✓	MW1d-081009	8/10/09	1005		4		X	X											
✓	MW13-081009	8/11/09	1028		4		X	X											
✓	MW9A-081009	8/11/09	1125		4		X	X											
✓	MW10-081009	8/10/09	1157		14						X	X	X	X	X	X	X		
✓	MW11-081009	8/10/09	1353		14						X	X	X	X	X	X	X		
✓	MW8-081009	8/10/09	1525		14						X	X	X	X	X	X	X		
✓	MW12S-081109	8/11/09	0913		14						X	X	X	X	X	X	X		
✓	MW3S-081109	8/11/09	1213		14						X	X	X	X	X	X	X		
✓	MW3A-081109	8/11/09	1338	V	14	V	X	X			X	X	X	X	X	X	X		
5 Collected/Relinquished By: A Hill		Date: 8/11/09	Time: 1600	Received By: [Signature]		Date: 8/11/09		Time: 16:00		Shipping Carrier:					Samples Received Cold? (Circle) YES NO				
Relinquished By: (2) [Signature]		Date: 8/12/09	Time: 11:30	Received By: [Signature]		Date:		Time:		Shipping Ticket No:					Temperature °C: 25.3, 7, 3.9, 3.7, 4.5				
Relinquished By: (3)		Date:	Time:	Received By:		Date:		Time:		Special Deliverable Requirements:					Chain of Custody Seal: (Circle) 4.9, 2.7				
Relinquished By: (4)		Date:	Time:	Received By:		Date:		Time:		Special Instructions:					INTACT BROKEN ABSENT				
Requested Turnaround Time:										<input type="checkbox"/> RUSH _____ Date Needed					<input type="checkbox"/> STD				

□ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
 □ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557



1 Proposed finished grades at top of orange paint on grade stakes



2 Looking east across future Phase 2A, beneficial fill stockpile along boundary



3 Beneficial fill and soil stockpiles in distance



4 West perimeter looking toward MW-14s and MW-14d



5 MW-14s and MW-14d protected by yellow bollards



6 Soil stockpiles prior to grading



7 Beneficial NOT to be used within 24 inches beneath the finished subgrade



8 Stockpiled soils prior to grading



9



10



11 West perimeter looking north toward future SB-3



12



13



14



15 Southeast corner from new entrance road location



16



17 Conspicuous pines mark the approx. boundary between Phases 2A and 2B



18



19 South end of Phase 2A, looking east



20



1 Southern end of Phase 2A, cut area, Phase 1 visible in the distance



2 Soil stockpiles along the cut-fill line in Phase 2A



3 Early stages of fill placement near southwest corner of Phase 2A



4 Another view of soil stockpiles



5



6



1 Sediment basin SB-4 under construction along east perimeter



2 New entrance corridor near SB-4



3 Fill pad construction along the cut-fill line, near SB-4



4 Fill pad near southeast corner, SB-1 rough graded in distance



5 Sediment basin SB-1 at southeast corner of Phase 2A



6 Fill pad under construction



7 SB-3 under construction along the west perimeter; bollards mark edge of waste



8 Looking east across Phase 2A from near SB-3



9 Intermediate stage fill pad construction, Phase 1 in the distance



10 Another view of intermediate fill pad construction



1 Sediment basin SB-4 looking north along east perimeter from new entrance



2 New entrance road, looking east to main access road



3 Southeast side of Phase 2A from new entrance road



4 Northern boundary of Phase 2A, beneficial fill exposed in Phase 2B



5 Southern boundary of Phase 2B, stockpile of trees to be ground into mulch



6 Sediment basin SB-1 looking west along south perimeter of Phase 2A



7 Looking northwest into Phase 2A from SB-1 – aggregate is outlet work



8 Typical edge of waste footprint boundary marker, near SB-1



9 Looking north along east perimeter of Phase 2A from SB-1



10 Southwest corner of Phase 2A with MW-13 in the distance to the right



11 Looking north from southwest corner of Phase 2A, SB-2 in the distance



12 Looking northeast toward SB-3, extant grade stake on soil pedestal



13 Looking east from SB-2 vicinity, Phase 1 in the distance



14 Looking east along south perimeter of Phase 2A



15 Cut-fill delineated by soil color change near MW-13 (red soils are borrow)



16 Sediment basin SB-2 at southwest corner of Phase 2A, near MW-13



17 SB-2 outlet works, yellow bollard in distance marks MW-14s and MW-14d



18 Wetlands beyond southwest perimeter, canal visible below large evergreen



19 Extant 50-foot offset from wetlands near southwest corner of Phase 2A



20 SB-2 from southwest perimeter, looking north toward SB-3



21 West perimeter berm and road, looking north to SB-3, wetlands on the left



22 Perimeter swale leading toward SB-3, temporary let-down channel from cell



23 Looking east from SB-3, Phase 1 in the distance, boundary markers visible



24 Looking southeast into Phase 2A from west perimeter, near the let-down channel



25 Looking south toward the southwest corner, truck on borrow site access road



26 Sediment basin SB-2 on the right



27 Sediment basin SB-2



28 SB-3 from north end, yellow bollard mark MW-14a and MW-14d



29 West perimeter berm and wetlands beyond, from north end of SB-2



30 Looking north toward SB-3 along west perimeter, wetlands to right



31 Northwest corner of Phase 2A, looking northeast into Phase 2B



32 North end of SB-3 showing outlet works



33 South end of SB-3 with MW-14s and MW-14d within the bollards



34 North end of SB-3



35 Phase 1 working face



36 Looking across SB-3 into Phase 2A



37 Canal along west side of Phase 2B from northwest corner of Phase 2A



38 Future Phase 2B from northwest corner of Phase 2A



39 Northern edge of Phase 2A with beneficial fill exposed



40 North end of SB-3 looking south along west perimeter



41 View from top of Phase 1 working face, new entrance beyond compactor



42 Side slope bench along northeast side of Phase 1



43 Side slope bench along northwest side of Phase 1



44 Looking toward southwest corner of Phase 1



45 Looking toward southeast corner of Phase 1



46 Phase 2A beyond first treeline, excavator in borrow pit beyond second



47 Another view of Phase 2A, interstitial wetlands within first treeline



48 Main access road, top of Phase 1 working face is approx. 70 feet above the road