



MEMORANDUM

Date: May 10, 2012

To: Distribution and Meeting Attendees

From: Pieter K. Scheer, P.E.

RE: **Davidson County C&D Landfill – Phase 4
Pre-Construction & Subgrade CQA Meeting**

Attendees:

Pieter Scheer	RSG	(919) 828-0577 (o) (919) 815-9377 (c)	pieter@rsgengineers.com
Charlie Brushwood	Davidson County	(336) 242-2284 (o) (336) 240-0303 (c)	Charlie.Brushwood@DavidsonCountyNC.gov
Michael Green	Michael Green Assocs.	(336) 248-8102	mgas@lexcominc.net
John Murray	NC DENR	(704) 235-2163	john.murray@ncdenr.gov
Hugh Jernigan	NC DENR	(336) 771-5093	hugh.jernigan@ncdenr.gov

Meeting Summary:

A pre-construction meeting was held Thursday May 3rd at the site to discuss the plans for the construction of Phase 4. The meeting began at 11:15 p.m. and lasted approximately 1 hour. During the meeting, the following items were discussed:

A. County Work Sequencing

- E&SC Measures are In-Place
- Staking – Michael Green Associates
- Earthwork Schedule: County to begin soon and plans to perform some excavation work initially before placing structural fill. The County will coordinate with RSG for testing of structural fill.
- Earthwork Quantities – See attached isopach drawing showing cuts in red and fills in green.

B. Designation of Responsible Personnel

- Davidson County (Owner and Builder)

Charlie Brushwood, Solid Waste Director
Steven Sink, Landfill Supervisor

- RSG (Design and CQA Engineer)
Pieter Scheer, Project Manager
Soil Technician - Geotechnics
- NC DENR - Division of Waste Management (DWM)
John Murray, DWM Permitting Engineer
Hugh Jernigan, DWM Waste Management Specialist

C. Record Documents and Certification Report

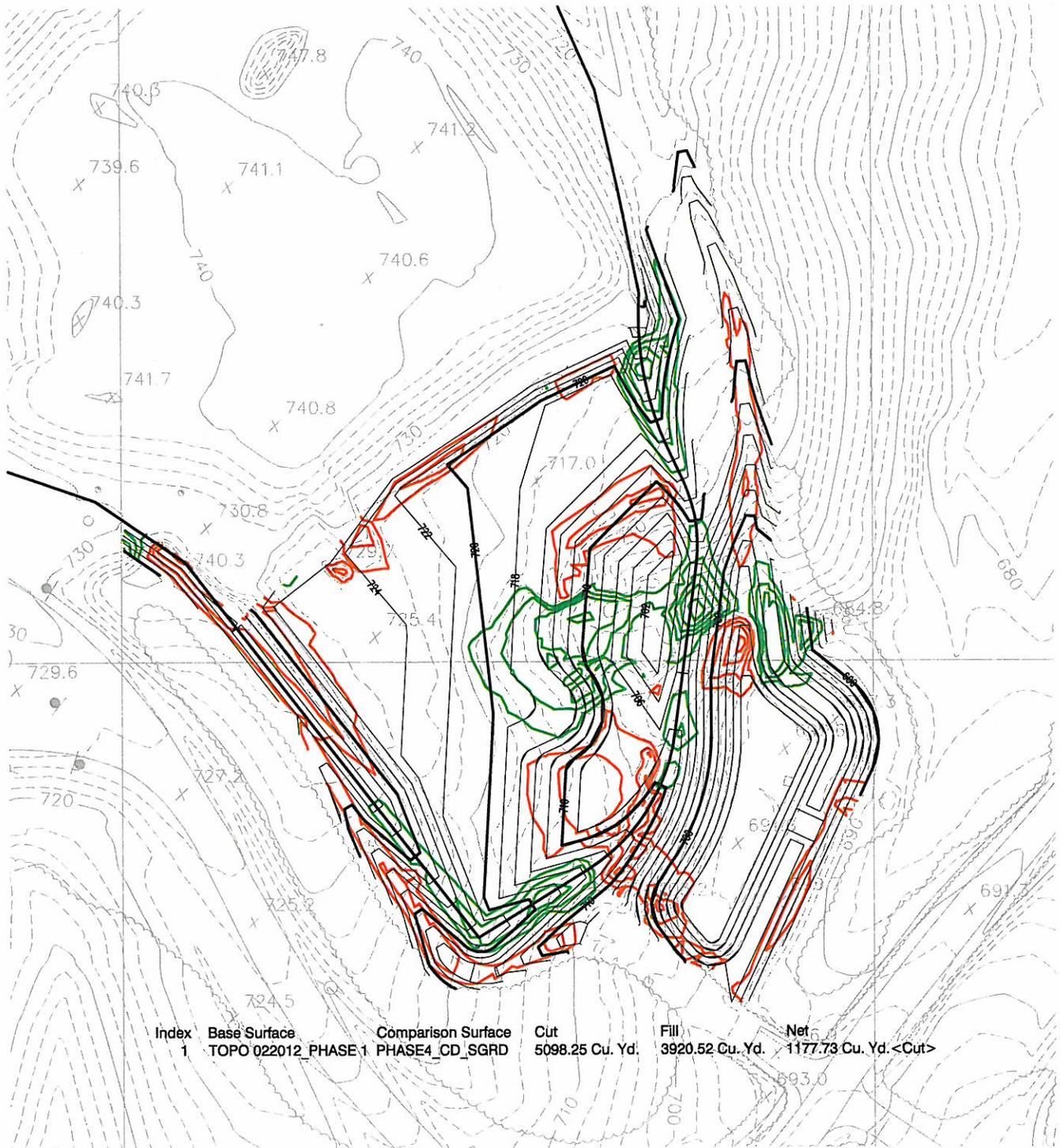
- RSG and Geotechnics will perform and document all quality assurance testing.
- RSG will prepare the certification report which will include test information.
- Michael Green will perform as-built survey.

D. Construction Quality Assurance

- Earthwork testing and subgrade verification will follow the attached specification and CQA requirements.

Attachment: Isopach Drawing Showing Phase 4 Earthwork
Earthwork Specification & CQA Requirements

cc: Charlie Brushwood, Davidson County
Steven Sink, Davidson County
Michael Green, Michael Green Associates
John Murray, P.E., NC DENR-DWM
Hugh Jernigan, NC DENR-DWM



CQA MEETING

EARTHWORK – SPECIFICATION & CQA REQUIREMENTS

1. Review of Specification Requirements

Earthwork (Perimeter Berm and Subgrade):

- Compaction Requirements: $\geq 95\%$ Std. Proctor; moisture content as required to obtain compaction
- Surveying: Verify elevation and slope of completed subgrade
- Upper 2 Feet of Subgrade Must be SC, SM, ML, CL, MH, or CH

2. Review of CQA Requirements

A. Control Tests on Subgrade Material (Samples to be Taken on Initial Visit)

- Moisture-Density Testing: 1 per 5,000 CY (2 Tests)

B. Approval of Subgrade

- Visual Inspection (by P.G. (Joan)) and review of survey information)

C. CQA Testing

- Moisture-Density Testing Per CQA Frequency
- Verification of Subgrade Soil Type (Atterberg Limits & Grain Size Analysis on Upper 2 feet)