

## CONSTRUCTION PROGRESS REPORTS

Hillsborough County, Florida  
Southeast County Landfill  
Capacity Expansion, Section 8  
Permit Number 35345-009-SC

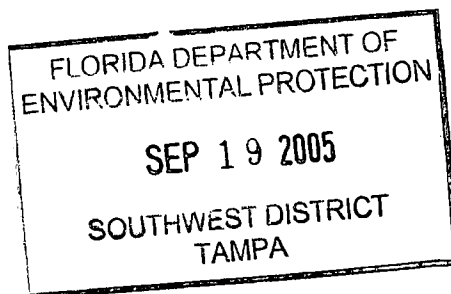


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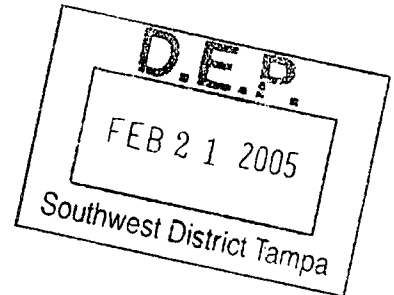


**SCS ENGINEERS**

February 21, 2005  
File No. 09200020.35

Ms Susan J. Pelz, P.E.  
Florida Department of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Subject: Southeast County Landfill, Hillsborough County  
Capacity Expansion Section 8 Construction  
Permit Number 35435-009-SC  
Monthly Update



Dear Ms Pelz:

On behalf of the Hillsborough County Solid Waste Management Department (County), SCS Engineers (SCS) is submitting the attached monthly summary of the construction activities for January 27 through February 15, 2005 conducted for the above referenced project.

**Summary of Activities**

Attachment A contains weekly summary reports of the activities completed for the project. In general, the following activities have occurred on the project;

**Project Start-Up**

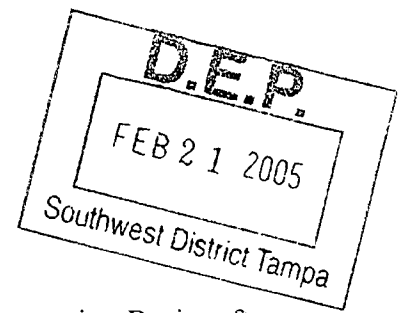
- Notice-to-Proceed for the project was established as January 31, 2005.
- Substantial Completion of the project was established as September 2, 2005.
- Final Completion of the project was established as October 2, 2005.

**Activities**

- Project Pre-Construction Meeting was held on January 27, 2005.
- ERC mobilized equipment (excavators, dozers, dumptrucks, etc.) on-site from January 27, 2005 through January 31, 2005.
- Pickett and Associates on-site to establish survey controls and collect topographic information for the pre-construction survey.
- ERC installed silt fencing and haybales in the existing ditch.







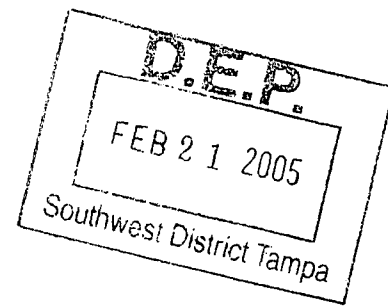
- ERC removed topsoil and sod from the area of the Temporary Sedimentation Basin, after SCS reviewed and approved the survey data, from January 31 through February 1, 2005.
- ERC established a stormwater diversion berm on the northside of Section 7 to direct runoff away from the excavation area of Section 8.
- ERC began clearing of the vegetative growth from the Section 8 area and drained standing surfacewater from February 1 through 3, 2005.
- ERC began construction of the temporary sedimentation basin from approximately February 1 through 3, 2005.
- The temporary access road shown on Sheet 3 of 9 (See Attachment B) was modified to allow the existing haul road to stay in-place longer to allow WMI continued access to the borrow pit. The alignment of the road was modified by SCS from February 2 through 11, 2005.
- ERC began excavation of the proposed dewatering rim ditch for the Section 8 excavation on February 3, 2005 and continues to be constructed as excavation continues.
- ERC began excavation of materials in the Section 8 area on approximately February 4, 2005.
- ERC establishing haul road inside of Section 8 to allow vehicle access to the interior of the area. Initial conditions of the site were wet and very loose, fine sands made vehicle movement difficult. Establishing of haul roads by ERC significantly increase production levels.
- Following a review of the pre-construction survey and estimating of excavation quantities, SCS modified the northern diversion swale to re-direct runoff from the WMI borrow area away from the excavation and be stored in a larger detention area prior to overflowing into the existing ditch on the eastside of Section 8. The northern diversion swale was modified by SCS from February 2 through 11, 2005.
- ERC began excavation of the revised northern diversion swale on February 14, 2005.

As of February 15, 2005,

- ERC mass excavation continues down to the bottom of the clay layer at approximately Elevation 119. All organic materials will be removed below Elevation 119 until suitable soils are encountered.
- ERC continuing excavation of the revised northern diversion swale.
- ERC continuing established the perimeter rim ditch for dewatering the excavation.



Ms. Susan J. Pelz, P.E.  
February 21, 2005  
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### Summary of Submittals/Change Orders

Attached to the Weekly Summary Reports, contained in Attachment A, is a list of submittals reviewed by SCS for the project.

The following minor revisions to the permit plans were completed during this report period;

- The temporary access road location shown on Sheet 3 of 9 was relocated and placed outside of the excavation limits. The road was relocated to allow continued use of the existing road be used by WMI while the revised road was being constructed by ERC.
- The northern diversion swale was redirected to convey runoff from the borrow area away from the excavation area of Section 8. The northern diversion swale was also enlarged to increase the storage capacity of the swale as well as increase detention time in the swale to allow extended time for sediments to fall out of suspension.
- Attachment B contains a reduced size drawing showing the revisions to Sheet 3 of 9. These modifications do not alter or modify the original landfill expansion, but design was done to facilitate construction and long-term site operational activities.

### Weekly Progress Meeting Summary


Attachment C contains summary reports for progress meetings for Progress Meeting Number 1 conducted on February 8, 2004, and the Pre-Construction Meeting held on January 27, 2005. The summary notes for the Pre-Construction meeting were previously submitted to FDEP, but have been included for completeness. The meeting summary for February 15, 2005 will be included in the next submittal.


### Photographs

Photograph that are representative of the construction activities conducted are contained in Attachment D.

If you have any questions, please contact us.

Sincerely,

  
for Joseph H. O'Neill, P.E.  
Project Manager  
SCS ENGINEERS  
JHO/RJD:jho

  
Raymond J. Dever, P.E., DEE  
Vice President  
SCS ENGINEERS

Cc: Larry E. Ruiz, SWMD



## **ATTACHMENT A**



## SCS ENGINEERS WEEKLY PROGRESS REPORT

Page 1 of 1

Project: Capacity Expansion Section 8  
 Bid No. C-299-04 (MK)  
 Owner: Hillsborough County

Project Number: 09200020.35  
 Contractor: ERC

## Description of approved Change Orders

Number	Description	Amount
	No change Orders at this time	

## Description of Activity During the Week 1/31/05 to 2/4/05

ERC dug sediment pond at north end at bottom of Slope of Cell # 7.

ERC Constructed Berm on North Slope of Cell # 7. to keep water out of the Cell # 8 construction area.

ERC Digging Rim ditch in Cell # 8 and using excavated Material to build new Haul road.

Pickett and Associates doing extra survey to complete drawing for sediment pond and haul road.

## Subcontractors on site

- |                           |    |
|---------------------------|----|
| 1) Pickett and Associates | 4) |
| 2)                        | 5) |
| 3)                        | 6) |

## Activity scheduled for next week according to the Contractor's updated schedule of (insert date of most recent schedule)

- 1) Trenching of the Rim Ditch in Cell # 8.
- 2) Excavating the new sediment pond at the North East corner of Cell 8.
- 3)

## Outstanding Contractor Issues

None

## Submittals Received or Reviewed

Submittal # are 6 ea all of them need to be amended and Resubmitted or Rejected / Resubmit or Make Corrections Noted.

Signature: Dennis Adams

Date: 2/9/05



Page 1 of 1

## SCS ENGINEERS WEEKLY PROGRESS REPORT

(Week of )

Project: Capacity Expansion Section 8

Project Number: 09200020.35

Bid No. C-299-04 (MK)

Contractor: ERC

Owner: Hillsborough County

Description of Activity During the Week (Continued)

1/31/05

ERC removing sod and top soil from area North of Cell #7 Slope in area that sediment pond is to be constructed per drawing.

2/1/05

ERC working on excavation of sediment pond at the bottom of the Slope of Cell North of Cell #7 as per drawing.  
Did sides of entrance road to landfill with Vaden from ERC to make notes of existing conditions of road before construction is started in Cell #8.

2/3/05

ERC finished sediment pond excavation.  
ERC excavating Rim Ditch in Cell #8 using material to build new Haul Road.

2/4/05

ERC is working on excavation of Rim ditch in Cell #8.  
Using material to build new Haul Road.

Name: \_\_\_\_\_ Date: \_\_\_\_\_



# SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Section 8 Construction

Project No. 09200020.35

[illegible]<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



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## SCS ENGINEERS WEEKLY PROGRESS REPORT

(Week of )

Project: Capacity Expansion Section 8

Project Number: 09200020.35

Bid No. C-299-04 (MK)

Contractor: ERC

Owner: Hillsborough County

Description of approved Change Orders		
Number	Description	Amount
	No change Orders at this time	

Description of Activity During the Week 2/7/05 to 2/11/05

ERC will be excavating Run Ditch in Cell #8  
Using Material to build new haul road.  
Will start on new sediment pond north east of Cell #8 after drawing  
has been completed.

Subcontractors on site

- 1) (Pickett and Associates) Sewerage
- 2) 5)
- 3) 6)

Activity scheduled for next week according to the Contractor's updated schedule of (insert date of most recent schedule)

- 1) Excavating of Run Ditch
- 2) Excavating the Sediment pond to the North east of Cell #8.
- 3)

Outstanding Contractor Issues

None

Submittals Received or Reviewed

Name: Dennis Adams

Date: 2/9/05



Page 1 of 2

## SCS ENGINEERS WEEKLY PROGRESS REPORT

(Week of )

Project: Capacity Expansion Section 8

Project Number: 09200020.35

Bid No. C-299-04 (MK)

Contractor: ERC

Owner: Hillsborough County

Description of Activity During the Week (Continued) 2/7/05

ERC is excavating Run Ditch in cell #8.

Putting excavated material in stock pile area as per drawing.

2/8/05

ERC has Complete Construction of the new haul road.

ERC excavating Run Ditch in Cell #8.

2/9/05

ERC is excavating Run Ditch in cell #8.

Hauling material to stock pile area.

2/10/05

ERC is excavating Run Ditch in cell #8.

Hauling material to stock pile area.

2/11/05

ERC is excavating Run Ditch in cell #8.

Hauling material to stock pile area.

Name: Dennis AdamsDate: 2/9/05



# SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Section 8 Construction

Project No. 09200020.35

[illegible]

### <sup>1</sup> Status Legend

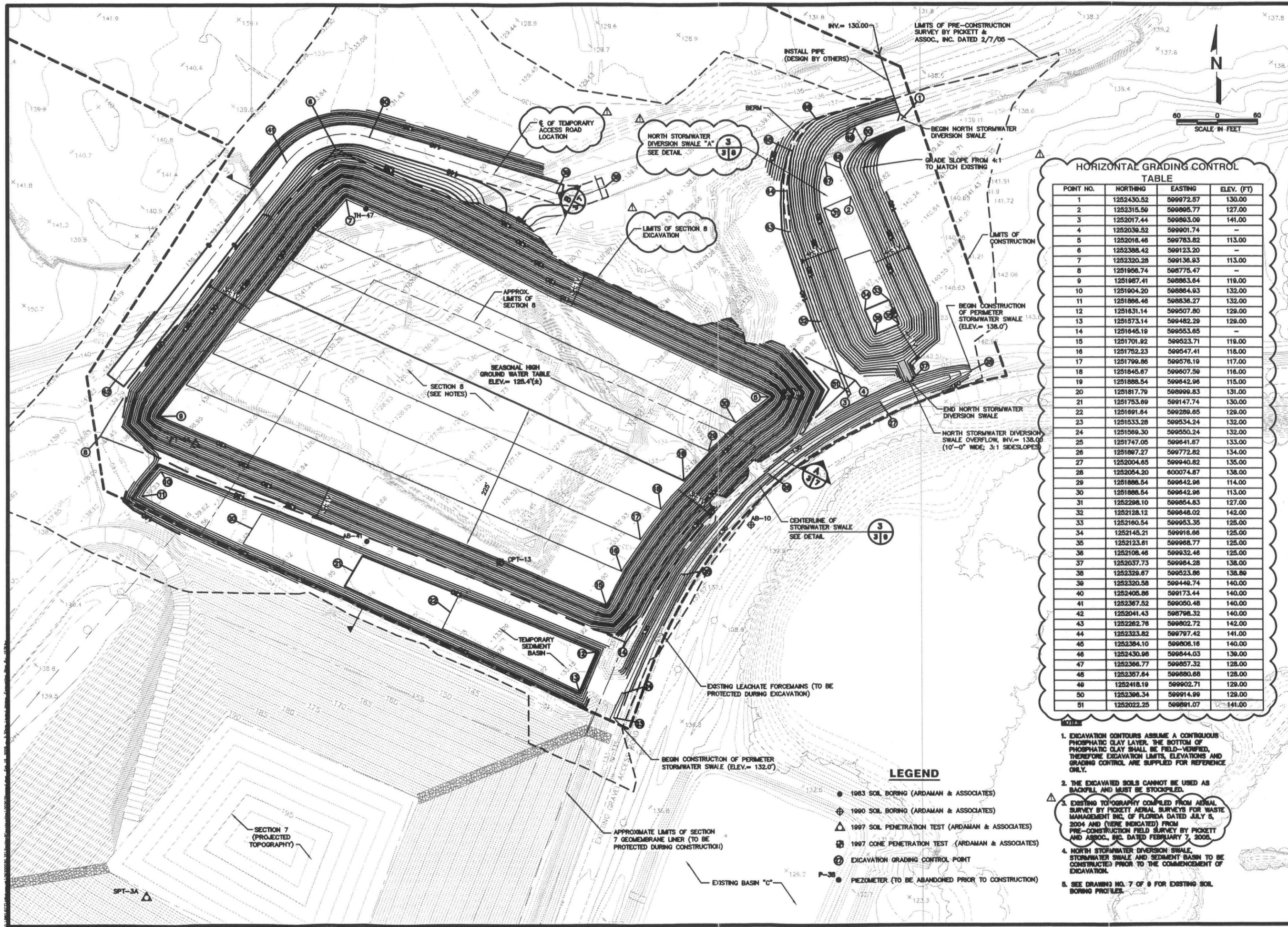
NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



**ATTACHMENT B**





HORIZONTAL GRADING CONTROL TABLE			
POINT NO.	NORTHING	EASTING	ELEV. (FT)
1	1252430.52	599972.57	130.00
2	1252315.59	599995.77	127.00
3	1252017.44	599993.09	141.00
4	1252039.52	599991.74	-
5	1252018.46	599783.82	113.00
6	1252388.42	599123.20	-
7	1252320.28	599136.93	113.00
8	1251956.74	599775.47	-
9	1251987.41	599863.84	119.00
10	1251904.20	599864.93	132.00
11	1251886.46	599836.27	132.00
12	1251631.14	599507.80	129.00
13	1251573.14	599482.29	129.00
14	1251645.19	599553.65	-
15	1251701.92	599523.71	119.00
16	1251752.23	599547.41	118.00
17	1251799.86	599576.19	117.00
18	1251845.67	599607.59	116.00
19	1251886.54	599642.98	115.00
20	1251817.79	599699.83	131.00
21	1251753.69	599147.74	130.00
22	1251691.64	599289.65	129.00
23	1251633.28	599534.24	132.00
24	1251569.30	599550.24	132.00
25	1251747.05	599641.67	133.00
26	1251697.27	599772.82	134.00
27	1252004.65	599940.82	135.00
28	1252054.20	600074.87	138.00
29	1251886.54	599642.98	114.00
30	1251886.54	599642.98	113.00
31	1252298.10	599854.83	127.00
32	1252128.12	599848.02	142.00
33	1252160.54	599953.35	125.00
34	1252145.21	599916.66	125.00
35	1252123.61	599988.77	125.00
36	1252108.46	599932.46	125.00
37	1252037.73	599984.28	138.00
38	1252329.67	599523.86	138.89
39	1252320.58	599449.74	140.00
40	1252405.86	599173.44	140.00
41	1252367.52	599050.48	140.00
42	1252041.43	598798.32	140.00
43	1252282.76	599802.72	142.00
44	1252323.82	599797.42	141.00
45	1252394.10	599806.16	140.00
46	1252430.98	599844.03	139.00
47	1252366.77	599857.32	128.00
48	1252367.84	599880.68	128.00
49	1252418.19	599902.71	129.00
50	1252396.34	599914.99	129.00
51	1252022.25	599891.07	141.00

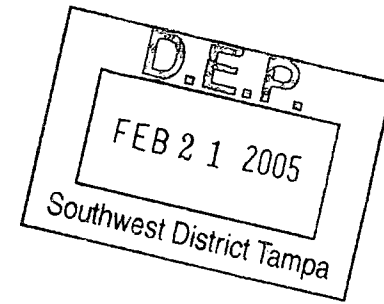
- LEGEND**
- 1983 SOIL BORING (ARDAMAN & ASSOCIATES)
  - ⊕ 1990 SOIL BORING (ARDAMAN & ASSOCIATES)
  - △ 1997 SOIL PENETRATION TEST (ARDAMAN & ASSOCIATES)
  - ⊞ 1997 CONE PENETRATION TEST (ARDAMAN & ASSOCIATES)
  - ⑦ EXCAVATION GRADING CONTROL POINT
  - PIEZOMETER (TO BE ABANDONED PRIOR TO CONSTRUCTION)

- EXCAVATION CONTOURS ASSUME A CONTIGUOUS PHOSPHATIC CLAY LAYER. THE BOTTOM OF PHOSPHATIC CLAY SHALL BE FIELD-VERIFIED. THEREFORE EXCAVATION LIMITS, ELEVATIONS AND GRADING CONTROL ARE SUPPLIED FOR REFERENCE ONLY.
- THE EXCAVATED SOILS CANNOT BE USED AS BACKFILL AND MUST BE STOCKPILED.
- EXISTING TOPOGRAPHY COMPILED FROM AERIAL SURVEY BY PICKETT AERIAL SURVEYS FOR WASTE MANAGEMENT INC. OF FLORIDA DATED JULY 5, 2004 AND (HERE INDICATED) FROM PRE-CONSTRUCTION FIELD SURVEY BY PICKETT AND ASSOC., INC. DATED FEBRUARY 7, 2005.
- NORTH STORMWATER DIVERSION SWALE, STORMWATER SWALE AND SEDIMENT BASIN TO BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF EXCAVATION.
- SEE DRAWING NO. 7 OF 9 FOR EXISTING SOIL BORING PROFILES.

REV	DATE	DESCRIPTION	BY	EXCAVATION PLAN	
				REVISED LIMITS OF EXCAVATION	AND POND, REVEALED ACCESS ROAD
				2/7/05	
PROJECT TITLE				SOUTHEAST COUNTY LANDFILL SECTION 8 CAPACITY EXPANSION CONSTRUCTION DRAWINGS	
CLIENT				HILLSBOROUGH COUNTY SOLID WASTE MANAGEMENT DEPARTMENT TAMPA, FLORIDA	
SCS ENGINEERS				STEARN, CONRAD AND SCHMIDT CONSULTING ENGINEERS 3015 N. 15TH AVE. TAMPA, FL 33619 PH (813) 671-0000 FAX (813) 671-0007 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 0004882	
CADD FILE:				002034-exccv1	
DATE:				JAN. 19, 2004	
SCALE:				1" = 60'	
DRAWING NO.				3 of 9	

RAYMOND J. REVER, P.E. CERTIFICATE NO. 4337







**ATTACHMENT C**

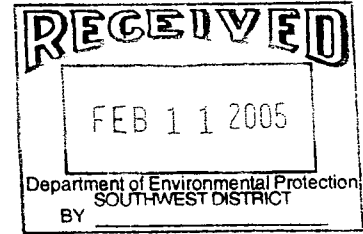


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Carresp.  
FDEP

## SCS ENGINEERS

February 11, 2005  
File No. 09200020.35

Ms Susan J. Pelz, P.E.  
Florida Department of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619



Subject: Southeast County Landfill, Hillsborough County  
Capacity Expansion Section 8 Construction  
Permit Number 35435-009-SC  
Pre-construction Meeting Summary

Dear Ms Pelz:

In accordance with the subject permit, Specific Condition 7, and on behalf of the Hillsborough County Solid Waste Management Department, SCS Engineers (SCS) is submitting the attached summary of the Pre-Construction Meeting conducted for the above referenced project.

If you have any questions, please contact us.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Joe O'Neill".

Joseph H. O'Neill, P.E.  
Project Engineer

A handwritten signature in dark ink, appearing to read "Ray J. Dever".

Raymond J. Dever, P.E., DEE  
Vice President  
SCS ENGINEERS

Cc: Larry E. Ruiz, SWMD

JHO/RJD:jho





**SCS ENGINEERS****HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL, CAPACITY EXPANSION, SECTION 8  
PRECONSTRUCTION MEETING SUMMARY  
JANUARY 27, 2005, 9:00 AM****ATTENDEES****SCS Engineers**

Dennis Adams	(813) 210-1297
Joseph H. O'Neill, P.E.	(813) 621-0080
Sheila Carpenter-van Dijk	(813) 621-0080
Raymond J. Dever, P.E.	(813) 621-0080

**ERC**

Vaden Pollard	(321) 231-0208
Jerry L. Pinder	(407) 468-1046

**Mega Force**

Patrick Crawford	(941) 721-7771
Neil Teen	(941) 721-7771

**Hillsborough County Solid Waste Management Department**

Larry E. Ruiz	(813) 671-7707
Allen G. Munger	(813) 276-2933

The following summary is from the audio recording of, and from comments received from ERC, the County, and SCS on, the pre-construction meeting for the Section 8 project. The summary is SCS Engineers' (SCS) understanding of highlighted subjects discussed at the subject meeting. This summary is intended to highlight and summarize the major topics of discussion during the meeting; however, the audio recording has detailed information on the meeting.

Larry Ruiz chaired the meeting on behalf of Hillsborough County Solid Waste Management Department (County). The attached Record of Preconstruction Conference was distributed to the meeting participants. Each of the 16 items on the attached Record of Preconstruction Conference were discussed as outlined.

In addition to the items listed on the attachment, several items were discussed in further detail and the following is a summary outline of the discussions:





**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL, CAPACITY EXPANSION, SECTION 8  
PRECONSTRUCTION MEETING SUMMARY  
JANUARY 27, 2005, 9:00 AM  
Page 2**

Under **Item # 1, Identification of Official Representatives**, all attendees signed a meeting sign-in sheet. The meeting sign-in sheet is attached to this meeting summary.

The following personnel and their respective roles in the project were identified as follows:

SCS Engineers (Engineers)

Dennis Adams – SCS Full-time On-Site Representative  
Joseph H. O'Neill – SCS Project Manager  
Shelia Carpenter-van Dijk – SCS Project Engineer  
Raymond J. Dever – SCS Project Director/Engineer-of-Record

ERC (Contractor)

Vaden Pollard – ERC On-Site Project Manager  
Jerry Pinder – ERC Project Manager

MegaForce (Subcontractor)

Patrick Crawford – Subcontractor Representative for Trucking  
Neil Teen – Subcontractor Representative for Trucking

Hillsborough County Solid Waste Management Department (Owner)

Larry E. Ruiz – Hillsborough County Project Manager  
Allen G. Munger – Hillsborough County Project Administrator

Under **Item # 2, Responsibilities of Engineer/Professional**, it was discussed that ERC was responsible for performing the work and supervising its personnel. SCS will be on-site and observe the work; however, ERC is responsible for completing the work in accordance with the Contract. SCS will be on-site to observe the work, make contract clarifications, and has the authority to reject defective work.

Under **Item #3, Responsibilities of Owner's Governing Body**, it was discussed that ERC would submit Requests For Information (RFI), in writing to SCS, for approval. An electronic version of the RFI was provided to ERC during the meeting. The Owner will be on-site and will provide direction or clarification only after ERC and SCS had attempted to resolve the issue. The Owner will also provide project data, access to the site, and facilitate payment when due.



**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL, CAPACITY EXPANSION, SECTION 8  
PRECONSTRUCTION MEETING SUMMARY  
JANUARY 27, 2005, 9:00 AM**

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The communication protocols for the project were discussed. A project organizational chart was handed out during the meeting. As indicated on the organizational chart, ERC will submit RFI to the SCS field representative, Dennis Adams. In addition all submittal information was to be submitted to the SCS field representative, with the exception of large submittal packages that could be sent directly to SCS's Tampa Office. If submittals were sent to the SCS's Tampa office, then ERC was directed to submit an e-mail confirmation to the SCS field representative for continuity and tracking of submittals. Submittals are to be distributed as follows:

- Two for County's records
- Two for SCS's records
- One for ERC's records

During the meeting it was agreed that the weekly progress meetings would be held every Tuesday at 9:00 am. After the meeting adjourned the first weekly progress meeting was agreed to by SCS, ERC, and the County to begin on February 8, 2005.

Under **Item # 4, Responsibilities of the Contractor**, it was discussed that ERC was to review the contract specifications for the work. ERC requested additional copies of the contract documents. The County directed ERC to coordinate with the County's Purchasing Department or Kinko Copying Center for additional copies. ERC indicated that they recalled the specifications stating that the County would provide five additional copies of the contract documents. SCS and the County indicated that they did not recall that particular item in the contract.

Under **Item #5, Responsibilities of Other Agencies to the Project**, ERC asked if they needed to obtain an NPDES construction permit for stormwater. The County replied that there was a stormwater NPDES permit for the entire landfill site and that they believed that this construction project would be covered under the permit. ERC will be supplied a copy of the permit and ERC was to verify that a separate permit is not required. ERC was checking with on the requirements of obtaining a building permit for supplying electrical power to the project.

Under **Item #6, General Discussion of Contract**, the following items were discussed.

- A) The County indicated that there were no Alternative specifications for the project. The County indicated that the project had been permitted by the FDEP and variations would require approval.
- B) Contract dates were verified. The official date for the Project Notice to Proceed was January 31, 2005. The working hours were established as Monday through Friday 7:30 a.m. to 5:30 p.m. ERC to submit RFI if working hours requested to be altered. ERC to review contract for



**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL, CAPACITY EXPANSION, SECTION 8  
PRECONSTRUCTION MEETING SUMMARY  
JANUARY 27, 2005, 9:00 AM**

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payment of overtime as a result of extended hours. Specific Condition 10(e) of the FDEP construction permit requires agency notification.

- C) Substantial Completion for the Project will be September 2, 2005. Final Completion for the Project will be October 2, 2005.
- D) The County discussed the Project liquidated damages as discussed in Special Condition Article 6.
- E) The County discussed the need for ERC to submit, in writing, a request for time extension within seven days of the occurrence of the cause of the delay. Requests for time submitted after the time period will not be considered.
- F) Procedures for partial payment were discussed. ERC and SCS will verify quantities for payment prior to submitting to the County. ERC had prepared a partial payment spreadsheet. The County provided ERC with an electronic copy of the payment request form. The County directed ERC to verify all spreadsheet formulas prior to use. The County informed ERC that the County would review and submit payment requests in compliance with the Florida Prompt Payment Act. The County also reminded ERC to revise the submittal date on payment applications if the County rejected the initial payment application. While reviewing the procedures for submitting pay requests, the County informed ERC that the first pay request may not be submitted any earlier than 30 days after Notice to Proceed.
- G) The County discussed that all warranty work, unless specified, would be in effect a minimum of one year from the date of substantial completion.
- H) Dewatering and Excavation Plan: ERC stated that they are planning to accelerate construction to try to complete the project before the wet weather season and, as such, would like to commence the project earthwork under a 24-hour per day schedule. SCS responded that ERC would need to submit this request in writing with the specifics of what they wanted to do and how they planned to do it. The County reminded ERC that, per the contract documents, they would be responsible for paying for SCS's additional inspection time if work is conducted outside of the normal working hours specified in the contract documents. ERC indicated that they had been in contact with the personnel involved in the Section 7 construction and took the information gained from that construction into consideration for their work plan for the project. The County indicated that during the dewatering efforts for Section 7, the suction intakes for the pumps were clogged with silt buildup and were not maintained. ERC indicated that silt fences and haybales were to be incorporated in the dewatering plan to minimize silt buildup. SCS indicated that during construction activities,



**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL, CAPACITY EXPANSION, SECTION 8  
PRECONSTRUCTION MEETING SUMMARY  
JANUARY 27, 2005, 9:00 AM**

**Page 5**

the siltation from the dewatering of the construction site should be controlled so excessive siltation was not pumped into Basin C.

**WMI Borrow Site Access:** In discussing the general requirements of the project, it was noted that the Waste Management (WM) haul road that cuts through part of the project area will need to be relocated during the earthwork phase of the project, along with some associated drainage modifications. SCS will revise the relevant sheet of the project drawings to give ERC direction on this work. ERC is responsible for coordinating its work with WM and requested a contact. The County requested that at least initially coordination with WM be done through the County. (WM contact is Ernest Ely, (813) 634-9203.)

**Construction Activities and Site Impact:** The County and SCS discussed the requirement that the activities of ERC and its subcontractors should not impact the operations of the site.

**Clay Borrow Source:** SCS discussed the need for ERC to identify and start the testing outlined for the clay soils to be used on the project. SCS discussed the potentially long testing times required for some of the tests to be completed. The County indicated that the leachate to be used for the clay EPA 9100 testing was available on-site. ERC indicated that they would coordinate with Burclaw to check on the testing times.

**Excavation and Backfill:** ERC stated that they intended to install and monitor settlement plates, in addition to the required pre-construction and post-construction surveys, to help determine earthwork quantities. SCS and the County indicated that there were no objections to this approach in concept, as long as the settlement tubes or pipes extending from the plates were removed prior to the installation of the liner. ERC commented that the tubes or rods would be removed; however, the bottom plates would remain. Discussion followed, concluded by SCS directing ERC to submit the specifics of this request in writing for review and approval. SCS indicated that quantities are to be based upon pre- versus post surveys and the method of verifying settlement was up to ERC.

**LFG:** SCS discussed that the Project was adjacent to an active disposal cell and all construction activities were to be conducted in compliance with the SWANA LFG practices and procedures. ERC was to include LFG guidelines their Health and Safety plan.

**Notification of Geosynthetic Shipment:** SCS discussed the need for ERC to notify the Engineer prior to shipment of materials so testing could be completed prior to available of materials at the site. ERC to comply with the time identified in the contract specifications.

I) ERC confirmed receipt from SCS of electronic versions of the project drawings.



**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL, CAPACITY EXPANSION, SECTION 8  
PRECONSTRUCTION MEETING SUMMARY  
JANUARY 27, 2005, 9:00 AM  
Page 6**

J) ERC confirmed receipt of the FDEP Construction Permit for the project.

Under **Item #7, Contractor's Schedule**, it was clarified that ERC needed to supply a separate trailer for SCS, per the contract documents. ERC was intending to supply a single 60-ft trailer for use by both SCS and ERC, but that will not satisfy the contract requirements. ERC proposed to designate this trailer, which was scheduled for delivery to the site on Monday, January 31, as the SCS trailer, and to obtain a second trailer for their own use. Phone service was scheduled for connection to the trailer on Wednesday, February 2, with the following numbers: (813) 634-1897 (voice) and (813) 634-1986 (fax).

ERC submitted a construction schedule for the project for approval during the meeting. SCS to review and approve.

Under **Item #8, Subcontracts**, the County discussed that ERC was responsible for supervision of all subcontractors working for ERC.

Under **Item #9, Request for Information, Allowance Work, and Change Orders**, it was discussed that all Request for Information were to be submitted in writing to the Engineer for approval. The Allowance portion of the contract was for work outside of the contract scope and required County approval.

Under **Item #10, Staking of the work**, it was discussed that ERC was responsible for staking of the project. The County/SCS had supplied ERC with project datum and electronic copies of the project (discussed in earlier Items).

Under **Item #11, Safety and Sanitary Facilities**, it was discussed that ERC was responsible for the Safety and Sanitary facilities of the projects.

Under **Item #12, Final Acceptance of Work**, the County requested that ERC review Section 1700 of the contract specifications.

Under **Item #13, Equal Employment Provisions of the County**, the County discussed the requirement for ERC to comply with the Equal Employment provisions of the contract and to provide a drug free work place during completion of the work.

Under **Item #14, Right-Of-Way and Easement**, the County discussed that ERC was to limit their work to the limits shown on the drawings. The County indicated that the project construction trailers were to be considered a smoke-free area during the project.

During the meeting, it was noted that fishing was not allowed on the property.



**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL, CAPACITY EXPANSION, SECTION 8  
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The County reminded ERC that they were responsible for maintaining FDOT load limits on haul vehicles. ERC was also responsible for damage that occurred as a result of the use of the haul vehicles during the completion of the project. The County discussed the need for haul vehicles to stop at the scalehouse, at the posted stop sign, for the purposed of identifying subcontractors on-site. The County indicated that the scales at the County scalehouse were not to be used to weigh haul vehicles. The County and SCS indicated that ERC was to maintain the roads during the completion of the project and any debris was to be removed from the roads or safety problems corrected with the roads immediately so as not to impact facility operations. The County also reminded ERC that any damage to the asphalt roads was to be repaired by ERC. SCS indicated that the Engineers was going to video tape the roads prior to use by haul vehicles. The County also reminded ERC that all haul vehicles were to maintain tarp covers over the loads.

The County reminded ERC of the speed limits for the facility.

Under **Item #15, Placement of Project Signs and Posters**, the County discussed that a project sign would be provided by the County and the placement would be as directed by the County.

Under **Item #16, Handling Disputes**, the County discussed that SCS was authorized to make interpretations of the contract. ERC has seven days to submit any disagreement with the interpretations made by SCS.

Representatives of the County, SCS, and ERC signed a copy of the Record of Preconstruction Conference, and the meeting was adjourned.



**HILLSBOROUGH COUNTY  
SOLID WASTE MANAGEMENT DEPARTMENT**

**RECORD OF PRECONSTRUCTION  
CONFERENCE**

DATE: January 27, 2005

<u>Name of Owner:</u> Hillsborough County Solid Waste Management Department	<u>Address (Zip code &amp; Telephone):</u> P.O. Box 1110 Tampa, FL 33601-1110 (813) 276-2933
<u>Name Of Engineer (Firm):</u> SCS Engineers	<u>Address (Zip code &amp; Telephone):</u> 3012 U.S. 301 North Suite 700 Tampa, FL 33619 (813) 621-0080
<u>Name Of Construction (Firm):</u> ERC General Contracting Services, Inc.	<u>Address (Zip code &amp; Telephone):</u> 890 Carter Road, Suite 170 Winter Garden, FL 34787 (407) 656-3900
<u>Location Of Conference:</u> Southeast County Landfill 15960 C.R. 672 Lithia, Florida 33547	
<b>SUBJECT TO BE DISCUSSED</b>	
1. <u>Identification of Official Representatives:</u> Distribute attendance sign-in sheet. All attendees must identify themselves and association for the record.	
2. <u>Responsibilities of Engineer/Professional:</u> Engineer does not Supervise, that is the Contractor's responsibility (Specification Section 01400). Presence of Engineer does not relieve the Contractor from its obligation to perform the work in accordance to the Contract. The Engineer will be on site full-time to provide Construction quality assurance, Contract clarifications, and has the authority to reject defective work (General Conditions Article 10).	
3. <u>Responsibilities of Owner's Governing Body:</u> Described in the General Conditions (GC) Articles 5 and 9. The owner will facilitate communication, provide data required under the Contract, provide access to the project site, and make payments when due. The Project Manager will be on site part-time to observe construction and attend the progress meetings. Discuss communication protocol.	
4. <u>Responsibilities of Contractor:</u> Advise that the Contractor review the entire Contract Terms and Drawings.	
5. <u>Responsibilities of Other Agencies to the Project:</u> The Contractor is responsible to obtain any other permits required (GC Article 7.6). Contractor to provide a list of licenses and permits to be obtained during completion of the project.	



6. General Discussion of Contract:

- A. Alternative Specifications: There are no alternative Specifications, the Project must be completed as permitted. Any deviations will require prior written approval. Substitution of materials "must" be pre-approved by Engineer/Project Manager (GC Article 7.3).
- B. Initiating Construction: Discuss Notice to Proceed (NTP) date. Working hours Monday through Friday 7:30 A.M. to 5:30 P.M. (Specifications Section 01010 Part 1.08). Discuss Construction Permit Specific Condition 10(e); Discuss overtime.
- C. Completion Time for Contract: Discuss Special Conditions Article 6.
- D. Liquidated Damages: Discuss Special Conditions Article 6.
- E. Request for Extension of Time: Time extension must be pre-approved. Request must be in writing within (7) days after the occurrence first happening (GC Article 13).
- F. Procedures for Making Partial Payments: Presented in GC Article 15. Retainage of (10%) will be withheld. Provide to Contractor an electronic Application for Payment form.
- G. Guarantee on Completed Work: Unless other requirements apply, all materials, and installed equipment are required to have a (1) year warranty from the date of Substantial Completion (GC Article 14).
- H. Other Requirements of the Contract/Specifications which Deserve Special Discussions by all Parties: Dewatering Plan -- Section 02140 (sedimentation areas); Excavation Plan (Section 02220); WMI site borrow area access (Specifications Section 01500 Part 1.11); Construction activities should not impact site operations; Obtain clay borrow source as soon as possible (testing of clay soils per Section 2221 may require extensive time) ; Excavation/backfill will be paid based on site surveys; LFG control adjacent to Section 7, use SWANA practices and procedures (Special Conditions Article 7); Contractor notification to Engineer required prior to shipment of geosynthetic materials (Section 02776);
- I. Electronic File – Contractor to confirm receipt of electronic AutoCAD files for the project.
- J. FDEP Construction Permit 35435-009-SC – Contractor to confirm receipt of FDEP construction permit (for information only).

7. Contractor's Schedule:

- A. Analyze Work Schedule in Sufficient Detail to Enable Engineer to Plan His Operations: Consideration must be given to needs of the Owner and the planned operations of other Contractors on site conducting other work (WMI). Contractor must provide an updated schedule at each weekly progress meeting (Specifications Section 01311 Part 1.02).



B. Equipment to be Used by Contractor:

C. Contractors Plans for Delivering Materials; trailers, and utilities to Project:

8. Subcontracts: The Contractor is fully responsible for its subcontractors (GC Article 7.4).

9. Requests for Information, Allowance Work, and Change orders: All requests for information must be submitted in writing to the Engineer. All changes must be approved prior to implementation including any Allowance work under GC Article 21. The procedure to be followed and clearance which must be obtained before changes are implemented are presented in GC Article 11.

10. Staking of Work: The Contractor is fully responsible for staking the work (Specifications Section 01050). The Owner and Engineer will observe the work.

11. Safety and Sanitary Facilities: The contractor is responsible for the project safety and to provide sanitary facilities (Specification Sections 01500 and 01800).

12. Final Acceptance of Work: Will be per the Contract requirements of the Specifications Section 01700.

13. Equal Employment Provisions of Contract: The Contractor is responsible to comply with the Contract affirmative action requirements and to maintain a drug free work place.

✓ 14. Right-of-Way and Easements:

A. Explain any portion of Project not available to Contractor:

The Contractor shall limit his Work to the limits of construction shown on the drawings. Fishing is not allowed on the property. Smoking is not allowed in the field offices and within the limits of Sections 7 and 8.

B. Coordination with Railroads, Highway Departments and other organizations:

The Contractor is responsible for maintaining the FDOT load limits of the hauling trucks. The Contractor is responsible for controlling the hauling trucks to comply with speed limits within the property. Hauling trucks will not be allowed to weight-in/out across the landfill scales. Any damage to the paved roads will be repaired by the Contractor at no additional cost to the County (Specifications Section 01500 Part 1.11).



15. Placement of Project Signs and Posters: Project sign is required for the project (Special Conditions Article 14). The County will provide the sign and the Contractor will be responsible for installation at the location designated by the Project Manager.

16. Handling Disputes: As previously discussed the Engineer/Professional makes interpretations of the Contract (GC Article 10.6). If the Contractor disagrees with the Engineer's interpretation then the Contractor must notify the Project Manager in writing within (7) days of the occurrence first happening.

NOTED AND CONCURRED WITH, but understood not to be a modification of any existing contract agreement:

Title:	_____ (Contractor's Rep.)	<u>Vadim L. Poltunov</u> Superintendent	<u>George L. Davis</u> (Contractor's Rep.)
Title:	<u>Joseph J. O'Neill</u> (Engineer's Rep.) Project Manager	<u>Dennis Adams</u> Res. Project Mgn.	_____ (Engineer's Rep.)
Title:	<u>Larry E. Reiz</u> (Owner's Rep.)	_____ Field Rep.	<u>Alvin J. Whinger</u> (Owner's Rep.)



# 0 Day - Construction Meetings

<u>Print</u>	<u>Firm</u>	<u>Contact info</u>
Joseph O'Neill	SCS	(813) 621-0080
Vaden Pollard	ERC	(321) 231-0208
Patrick Cawford	MEGA FORCE	(941) 721-7771
JERRY L. PINDER	ERC	(407) 468-1046
DENNIS ADAMS	SCS	18131 210-1297
Raymond Dever	SCS	(813) 621-0080
Allen G. Munger	ACSWMD	813-276-2933
Sheila Gijzen-vanDijk	SCS	813-621-0080
NEIL TENN	MEGA FORCE	(941) 721-7771



**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)**  
**Date: February 8, 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING SUMMARY**

**MEETING No. 1 - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of the items discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 1. The date was February 8, 2005. The start time was approximately 9:05 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). The meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 1**

**a. Meeting Summary**

- 1) Discussed summary for pre-construction meeting. SCS requested that the County and ERC provide comments on the pre-construction meeting summary outlined e-mailed, in Acrobat Adobe format, to all parties. Both the County and ERC requested Microsoft WORD documents to be e-mailed so parties could insert comments directly into the document. SCS was to e-mail out WORD versions of the documents. SCS requested that all parties provide comments by Friday, February 11, 2005 so a final version of the summary could be forwarded to FDEP.
- 2) ERC requested an update on submittals reviewed to date. SCS indicated that submittals were to be discussed in Item 5c.
- 3) ERC's requested extra working hours per RFI No. 1. Working hours requested by ERC were Monday thru Saturday 7:30 am to 5:30 pm Monday through Saturday, 6 days a week.

**b. Unfinished business:**

- 1) Per RFI No. 1, ERC's new working hours 7:30 am to 5:30 pm Monday through Saturday, 6 days a week. SCS and the County had agreed on Friday, February 4, 2005 to the extended schedule for only the mass excavation portion of the project and for a six-week duration. However, weekend of February 4, 2005 was not approved for Saturday work.



- 2) ERC request to have someone less expensive on site on Saturdays, just for the mass excavation that will be ongoing the next six weeks. Per the conversation on February 4, 2005, SCS reserved the right to select the qualifications of the personnel overseeing construction.
- 3) ERC requested an SCS Fee Schedule so they can keep track of their budget costs per day. SCS was to forward a copy of the fee schedule to ERC so ERC could evaluate the additional engineer's cost associated with extended schedule.

**2. Project Schedule**

**a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will be excavating the rim ditch for the next two weeks.
- 2) ERC worked on the sediment pond at the North End of Section 7, South end of the new Section 8.
- 3) ERC completed initial placement of the haul road on the northern and western sides of the excavation so Waste Management can use that road. The old haul road will be removed during excavation of Section 8.

**b. Progress and work activity projected for the week of 2/07/05 to 2/12/05:**

- 1) ERC plans to continue work on the Temporary Sedimentation Pond located on the South end of Section 8.
- 2) ERC building of berm on Slope on Section 7, building of temporary sediment basin.
- 3) ERC to continue construction of re-routed WMI haul road.
- 4) ERC to begin on Rim Ditch in Section 8.
- 5) Trailers are on-site but no meter for power, no steps for SCS trailer, or telephone line to trailer. ERC to coordinate with utilities departments. ERC indicated that sanitary hook-ups were complete. SCS recommended ERC review specifications 01500, Temporary Facilities.
- 6) ERC identified Shelly Mines as the borrow source for sand and Hurley Mines for the clay. ERC also indicated that a secondary source of clay was available from an I-4 project. SCS commented that when SCS collects



samples, the source of materials must be identified and not change without notification.

**c. ERC proposed working hours during this period**

- 1) ERC's proposed working hours are 7:30 a.m. to 5:30 p.m., Monday through Saturday, 6 days a week.

**d. Subcontractors and/or materials expected on site**

- 1) No materials were delivered to the site the week of 1/31/05 to 2/4/05. No materials were scheduled for delivery the week of 2/7/05 to 2/12/05.
- 2) ERC indicated that Pickett and Associates (Surveyors) may be on-site to collect additional survey information.

**3. Engineers' Hours**

- a. SCS indicated the Engineers hours were scheduled to be 7:30 a.m. to 5:30 p.m., 5 days a week, 1/31/05 to 2/4/05. SCS indicated that the engineer's hours would also be extended to match the hours requested by ERC in RFI No. 1.
- b. Request for extra working hours was granted on Friday, February 4, 2005, with approval of RFI #1. This will allow ERC to work 6 days a week 7:30 a.m. to 5:30 p.m, Monday through Saturday for six weeks.

**4. Construction Conflicts**

- a. ERC will prepare an RFI on the topsoil they have currently stockpiled from clearing operations within the limits of construction. ERC indicated they wanted to re-use it in areas that they need to seed or sod. The County indicated that one of the addendum to the contract indicated that all soils for the project were to be brought in from an off-site source.
- b. ERC was to resurvey area to the North of Section 8 so SCS could complete the re-design of the new sediment pond and the haul road.
- c. ERC is going to prepare an RFI to modify Limits of Construction and stockpile area. Per ERC interpretation of Section 01025, Pay Items 17, all areas within the limits of construction were to be sodded. ERC questioned the need for sod in the stockpile areas.
- d. ERC wants to start on new sediment pond proposed north of the Section 8 excavation as soon as possible so they will have a place to pump water if it rains



in order to keep their excavation and stockpile areas dry. SCS indicated that the re-designed pond would be forwarded to ERC.

- e. ERC requested AutoCAD files of the project in lieu of the mylar and blueline copies specified Part A – Instructions to Bidders, Paragraph 21 of the contract documents. AutoCAD files had been forwarded to ERC prior to the pre-construction meeting; however, ERC was having difficulty plotting the files. SCS indicated that AutoCAD files were to be forwarded to ERC.
- f. ERC requested as-builts of the Section 7 geomembrane to confirm that the depth of the liner on the northside of the Section 7.

**5. Contractor's Submittals Status**

**a. Shop drawings**

**b. RFI**

- 1) Request for extra working hours was approved on February 4, 2005 during an on-site meeting with SCS, County, and ERC. The hours were agreed to be from 7:30 a.m. to 5:30 p.m. Monday through Saturday, 6 days a week.

**c. Submittals**

- 1) Copy of the submittal log is attached. Submittals 1 and 1.1 are Amend and Resubmit (AR), Submittal 2 is Rejected and Resubmit (RR), and Submittals 3 thru 6 are Make Corrections Noted (MC).

**6. Contractor Issues**

- a. ERC inquired into how the County was going to determine the percent complete on the project. ERC indicated that the County's purchasing department had a specific formula to use to compute percentage complete on a project. The County was going to coordinate with the County purchasing department.
- b. ERC indicated that they wanted to get started as soon as possible on the new proposed sediment pond north of Section 8.
- c. ERC wanted to know what legal holidays were observed by the County. During the meeting, the County provided ERC with a list of legal Holiday observed by the County. ERC was referencing Section 01010-3, Part 1.08(a).

**7. County Issues**



- a. None

**8. Engineer's Issues**

- a. SCS needed additional survey information to complete the design sediment pond and to complete the required pre-construction survey.

**9. Site Safety and Housekeeping**

- a. ERC is responsible for changing the site safety plan (Hospital - from Brandon to Sun City).
- b. ERC set up an account with Waste Management (WM) and WM will drop a roll-off at the staging area for construction waste pick-up. WM will pick up and charge ERC. ERC also inquired about location for disposal of miscellaneous pipe or other debris that was found within the limits of Section 8. The County indicated that ERC was to stockpile the materials and a disposal area would be identified by the County.
- c. Safety Meeting Schedule: ERC indicated that safety meetings were being conducted by ERC during the construction.

**10. Other Issues**

- a. None



Hillsborough Co.  
Progress Meeting #1 2/8/05

<u>NAME</u>	<u>FIRM</u>	<u>CONTACT INFO</u>
DENNIS, ADAM S	SCS	813-210-1297
Joseph O'Neill	SCS	813-621-0080
SC-van Dyke	SCS	813 621-0080
Allen G. Manjer	Hill Co	813-276-2933
Larry Ruiz	Hillsb. Co.	813-671-7707
Ferry Smith	ERC	(407) 468-1046



## **ATTACHMENT D**



Photograph No. 1



Date: February 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Pre-construction Conditions of Section 8 - Photos Looking North.

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Photograph No. 2



Date: February 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Pre-Conditions Basin "C" - Photo looking East



Photograph No. 3



Date: February 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Installation of silt fence in east ditchline - photo looking South

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Photograph No. 4



Date: February 4, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Placement of fill material around excavation limits - photo looking West across WMI borrow area.



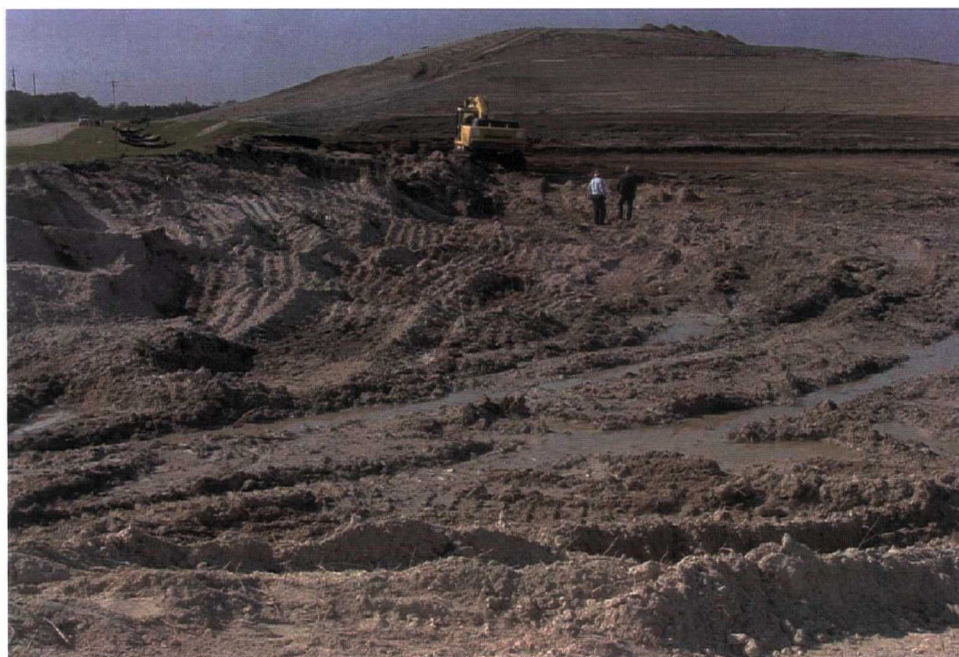
Photograph No. 5



Date: February 4, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Initial site clearing operations - photo looking West

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Photograph No. 6



Date: February 3, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: General excavation along Northeast side of Section 8 - Photo looking South



Photograph No. 7



Date: February 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: General Photo-installation of perimeter rim ditch - photo looking East

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Photograph No. 8

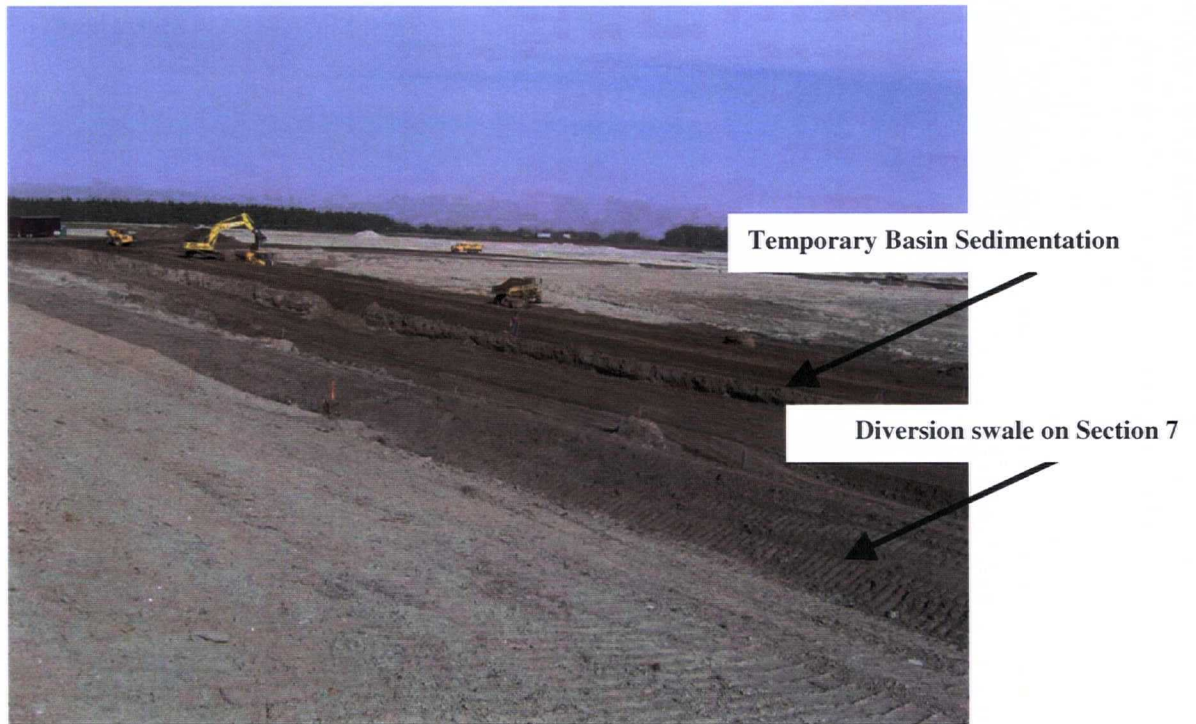
**Diversion Swale**



Date: February 3, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Construction of Temporary Sedimentation Basin (Note: Diversion swale installed on North side of Section 7)  
Photo looking West



Photograph 9



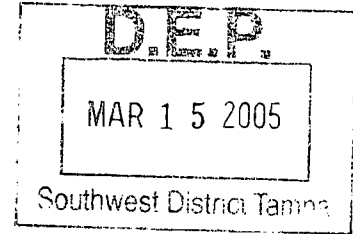
Date: February 7, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: General photo - Overall construction - photo looking Northwest



**SCS ENGINEERS**

March 15, 2005  
File No. 09200020.35

Ms Susan J. Pelz, P.E.  
Florida Department of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619



Subject: Monthly Update – February 15, 2005 to March 15, 2005  
Southeast County Landfill, Hillsborough County  
Capacity Expansion Section 8 Construction  
Permit Number 35435-009-SC

Dear Ms Pelz:

On behalf of the Hillsborough County Solid Waste Management Department (County), SCS Engineers (SCS) is submitting the attached monthly summary of the construction activities for February 15 through March 15, 2005 conducted for the above referenced project.

**Summary of Activities**

**Project Overview**

- Notice-to-Proceed for the project was established as January 31, 2005.
- Substantial Completion of the project was established as September 2, 2005.
- Final Completion of the project was established as October 2, 2005.

**ERC Projected Schedule (Refer ERC's project schedule contained in Attachment A)**

- Mass Excavation of Material until on or about March 22, 2005.
- Backfill and compaction of general fill soils scheduled to begin about March 17, 2005.
- Placement of subbase soils scheduled to begin about June 24, 2005.
- Placement of Geosynthetic materials scheduled to begin about July 15, 2005.
- Leak integrity testing of the bottom liner system scheduled to begin about August 4, 2005.
- Placement of protective cover soils scheduled to begin about August 17, 2005.





Ms Susan J. Pelz, P.E.

Monthly Update – February 15, 2005 to March 15, 2005

March 15, 2005

Page 2

- Placement of tire chips scheduled to begin about August 29, 2005.
- ERC scheduled to demobilize by September 6, 2005.

Please refer to the Weekly Summary Reports, contained in Attachment B, for a daily listing of activities, submittal logs, and representative construction photographs.

As of March 15, 2005 the following activities were occurring:

- ERC continuing with mass excavation down to the bottom of the clay layer at approximately Elevation 119. All organic materials will be removed below Elevation 119 until suitable soils are encountered.
- ERC continuing with dewatering the excavation.
- ERC evaluating clay borrow pits for subbase material.
- ERC continuing to excavate along the northside of Section 7 to expose tie-in with the Section 7 bottom liner system.

#### **Summary of Submittals/Change Orders**

Attached to the Weekly Summary Reports, contained in Attachment B, is a list of submittals reviewed to-date by SCS for the project.

The following minor revisions to the permit specifications were completed during this report period;

- ERC Submittal Number 11 – Protective Cover soils.

The grain sieve analysis results of two of the three samples tested by ERC were within the construction specifications. On one sample, the grain sieve analysis for the Number 70 sieve indicated a slightly larger percentage passing (24 percent versus the specified 20 percent). SCS reviewed the percent passing the Number 200 sieve (a key indicator sieve size for permeability) and all three samples passed. SCS also reviewed the permeability results, results varied from  $1.3 \times 10^{-2}$  to  $4.8 \times 10^{-3}$  centimeters per second (cm/s), and all passed the specifications. The test results are contained in Attachment C.

It is the professional opinion of SCS that the slight variance in the percentage passing the Number 70 sieve does not alter or modify the original landfill expansion design.

- ERC RFI Number 7 – Small sticks in the general backfill



Ms Susan J. Pelz, P.E.

Monthly Update – February 15, 2005 to March 15, 2005

March 15, 2005

Page 3

ERC submitted RFI number 7 to request that small sticks and roots be allowed in the general backfill of Section 8. Small sticks and roots may be present when excavating from a natural borrow pit. The specification indicated that the general backfill be “free” of sticks and roots. Refer to Attachment D for a copy of SCS Engineers response letter. SCS considered this request as reasonable and modified the specifications as follows;

## **SECTION 02220 - EXCAVATION, BACKFILL, FILL AND GRADING**

### **PART 2**

#### **2.01 GENERAL FILL**

Soil for general backfill use shall be well-drained, and free of ~~sticks, roots~~ roots or sticks (exceeding 1/2-inch diameter and no longer than 3 feet), organic matter, MSW, and stones larger than 1-inch in any dimension. Roots, sticks, or materials that the PROJECT MANAGER believes will impact the liner system for the project will be removed by the CONTRACTOR at no cost to the COUNTY.

It is the professional opinion of SCS that the slight variance in allowing small sticks and roots does not alter or modify the original landfill expansion design.

### **Construction Progress Meeting Summary Reports**

Attachment E contains summary reports for the following Construction Progress Meetings;

Construction Progress Meeting Number 2 – February 15, 2005

Construction Progress Meeting Number 3 – February 22, 2005

Construction Progress Meeting Number 4 – March 1, 2005

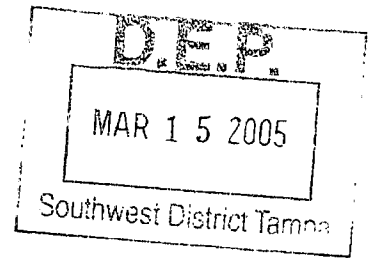
Construction Progress Meeting Number 5 – March 8, 2005

The meeting summary for Construction Progress Meeting Number 6, held on March 15, 2005 will be included in the next submittal.

### **Photographs**

Photographs that are representative of the construction activities conducted during this report period are shown in the Weekly Summary Reports contained in Attachment B.





**ATTACHMENT A**  
Construction Progress Schedule



Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float	MAR		
								7	14	21
SURVEY	PRE-TOPO SURVEY AND EARTHWORK	1	0	100	27JAN05A	03FEB05A				
EARING	CLEAR AND GRUB	3	0	100	31JAN05A	02FEB05A				
SEWTERIN	DEWATERING SYSTEM INSTALLATION	5	0	100	31JAN05A	03FEB05A				
MOB	MOBIZE EQUIPMENT	4	0	100	31JAN05A	07FEB05A				
DRAGLINE	EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS	61	9	85	03FEB05A	18MAR05	18			
STOCKPILE	REMOVAL OF EXCAVATED MATERIALS	61	11	82	03FEB05A	22MAR05	18			
FILL	IMPORT COMPACTED FILL, 5,184 CY/DAY LOOSE	71	71	0	17MAR05	23JUN05	18			
CLAY	CLAY SUB BASE -5 MATERIAL, 500 CY/DAY LOOSE	15	15	0	24JUN05	14JUL05	18			
LINER	HDPE LINER SYSTEM	14	14	0	15JUL05	03AUG05	18			
LINER	LINER TESTING	9	9	0	04AUG05	16AUG05	18			
SAND	IMPORT SAND OVER LINER	8	8	0	17AUG05	26AUG05	18			
TIRES	12" OF TIRE PLACEMENT	6	6	0	29AUG05	05SEP05	18			
DEMOB	DEMOBILIZE EQUIPMENT	1	1	0	06SEP05	06SEP05	18			

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
MAR 15 2005  
SOUTHWEST DISTRICT  
TAMPA



**ATTACHMENT B**  
Weekly Summary Reports



**SCS ENGINEERS**

February 28, 2005

File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers (HJO)

**SUBJECT:** Week Progress Report No. 3, Week of February 14 through February 20, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. February 14 (Monday) – ERC continuing to mass excavate overburden soils in Section 8. ERC staking out new north diversion swale, per drawings forwarded by SCS on February 12, to ERC. Engineer's construction trailer is essentially complete (some light fixtures not working, no copier, septic tanks requires berm around tanks). ERC began excavation on the new north diversion swale by mid-morning.
2. February 15 (Tuesday) – Construction Progress Meeting Number 2. ERC continuing to mass excavate overburden soils in Section 8. ERC continuing with excavation of new north diversion swale. Clayey soils extend to approximately Elevation 119. Bottom of swale set to elevation 125. ERC provided a proposal to dig pond to Elevation 119, remove clays, and backfill to Elevation 125 with sand for infiltration.
3. February 16 (Wednesday) – ERC continuing to mass excavate overburden soils in Section 8. ERC continuing with excavation of new north diversion swale. Three truck loads of geocomposite materials delivered to the project site today. SCS submitted a list of roll numbers for ERC to segregate for Quality Assurance sampling. Rolls numbers match submittal roll numbers. ERC/County discussing possibly purchase option of No. 4 washed river rock stockpiled on-site from Section 7 construction.
4. February 17 (Thursday)- ERC continuing to mass excavate overburden soils in Section 8. ERC continuing with excavation of new north diversion swale. Additional geocomposite material delivered to the site. According to truck receipts, some rolls delivered do not have MQA certificates submitted to SCS for review. SCS informed ERC to collect all required submittal information prior to SCS sampling.
5. February 18 (Friday) - ERC continuing to mass excavate overburden soils in Section 8. ERC continuing with excavation of new north diversion swale. Additional geocomposite material delivered to the site. According to truck receipts, some rolls





Memorandum to Larry E. Ruiz

Weekly Summary – Week of February 14 through 20, 2005

Page 2 of 5

delivered do not have MQA certificates submitted to SCS for review. SCS informed ERC to collect all required submittal information prior to SCS sampling. ERC informed to place geocomposite rolls up off the ground per manufacturers recommendation. Engineers copy machine delivered to trailer.

6. February 19 (Saturday) – ERC continuing to mass excavate overburden soils in Section 8. ERC continuing with excavation of new north diversion swale. Additional geocomposite material delivered to the site. According to truck receipts, some rolls delivered do not have MQA certificates submitted to SCS for review. SCS informed ERC to collect all required submittal information prior to SCS sampling. ERC informed to place geocomposite rolls up off the ground per manufacturers recommendation.
7. February 20 (Sunday) – No work completed.

#### **CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. Continue mass excavation of overburden soils in Section 8.
2. Continued excavation of rim ditches in Section 8.
3. Excavation of new north diversion swale near the northeast corner of Section 8.
4. Continued delivery of geocomposite materials.

#### **CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS to monitored and documented ERC construction activities, especially as related to excavation, dewatering, and continued mobilization of trailers.
3. SCS reviewed incoming geocomposite rolls versus submittal information to determine testing and sampling frequency.

#### **CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.



Memorandum to Larry E. Ruiz

Weekly Summary – Week of February 14 through 20, 2005

Page 3 of 5

3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #3 to be held February 22, 2005 at 9:00 a.m. at the engineer's construction trailer.

#### **SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

#### **CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



# SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Section 8 Construction

Project No. 09200020.35

[illegible]

### <sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



Date: February 14, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Excavation of new sediment pond.

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Photograph No. 2



Date: February 14, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Southeast corner of Section 8 - looking north.



Photograph No. 3



Date: February 15, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Ditch along east side of Section 8. Typical erosion and sedimentation controls.

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Photograph No. 4



Date: February 15, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Excavation of new north diversion swale.



Photograph No. 5



Date: February 16, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Rolls of geocomposite, being delivered to the site.

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Photograph No. 6



Date: February 16, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Northwest corner of Section 8 - looking to the northeast corner along rim ditch.



Photograph No. 7



Date: February 16, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Northeast corner of Section 8 - looking south along rim ditch.

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Photograph No. 8



Date: February 17, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: typical excavation conditions in typical Section 8. Looking East.



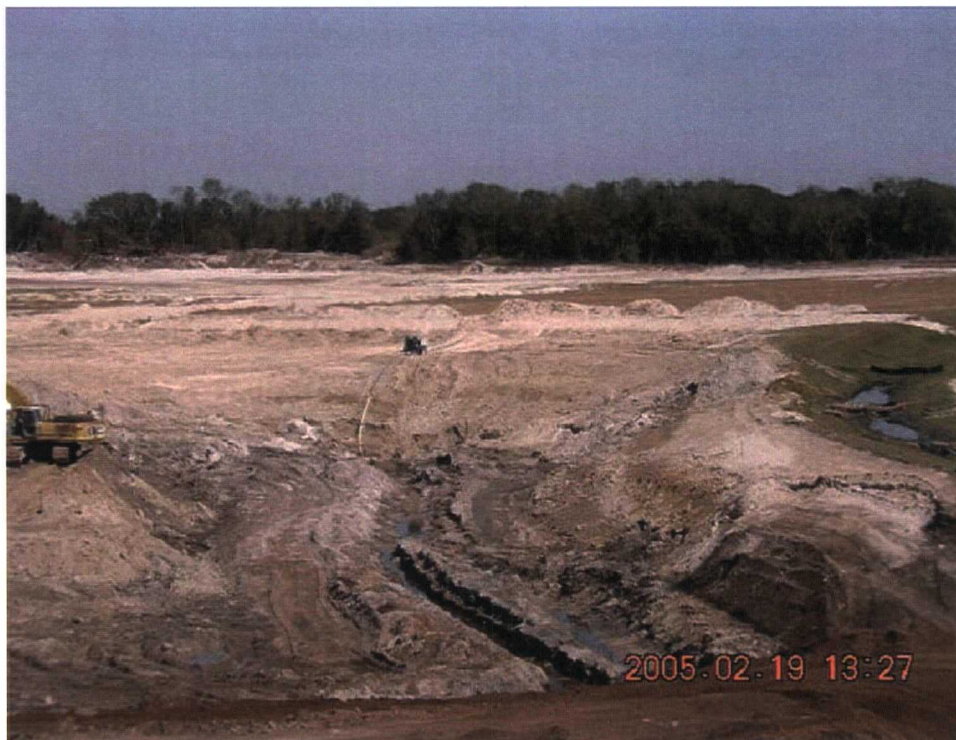
Photograph 9



Date: February 18, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical excavation. Looking west across Section 8.

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Photograph No. 10



Date: February 19, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical excavation looking at northeast corner.



Photograph No. 11



Date: February 18, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Condition of temporary sedimentation basin.

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Photograph No. 12



Date: February 19, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Rim ditch on south side of Section 8 - looking east.



**SCS ENGINEERS**

February 28, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers JHO

**SUBJECT:** Week Progress Report No. 4, Week of February 21 through February 27, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. February 21 (Monday) – ERC continuing to mass excavate overburden soils in Section 8. ERC received a two load of geocomposite. Additional geocomposite material delivered to the site. According to truck receipts, some rolls delivered do not have MQA certificates submitted to SCS for review. SCS informed ERC to collect all required submittal information prior to SCS sampling.
2. February 22 (Tuesday) – Construction Progress Meeting Number 3. ERC reminded to place berm around septic tanks for trailers. ERC continuing to mass excavate overburden soils in Section 8. ERC placing geocomposite rolls on tires from the WTPF. ERC provided SCS with additional MQC certificates for all rolls of geocomposite delivered to the site.
3. February 23 (Wednesday) – ERC continuing to mass excavate overburden soils in Section 8. SCS reviewing additional rolls of geocomposite for conformance against specifications.
4. February 24 (Thursday)- ERC continuing to mass excavate overburden soils in Section 8. SCS reviewing additional rolls of geocomposite for conformance against specifications.
5. February 25 (Friday) - ERC continuing to mass excavate overburden soils in Section 8. SCS forwarded a revised geocomposite roll listing to ERC for QA sampling and testing. All rolls identified and segregated. Berms around septic tanks for trailers completed. Heavy rainfall (1-inch over 20 minute period) recorded around 4:30 p.m. No substantial delay to the project.
6. February 26 (Saturday) – ERC graded erosion ruts from haul roads. ERC pumping water from rim ditches in bottom of excavation of Section 8. Interior moist but





equipment (off-road trucks, excavators) did traverse with delay to the project. Dewatering discharge being directed to the new diversion swale area. ERC continuing to mass excavate overburden soils in Section 8.

7. February 27 (Sunday) – No work completed.

#### **CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. Continue mass excavation of overburden soils in Section 8.
2. Continued excavation of rim ditches in Section 8.
3. Continued dewatering activities.

#### **CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS to monitored and documented ERC construction activities, especially as related to excavation, dewatering, and continued mobilization of trailers.
3. SCS reviewed incoming geocomposite rolls versus submittal information to determine testing and sampling frequency.
4. Coordinated with TRI/Environmental on testing of geocomposite materials and for future sampling at the GSE plant in Houston, Texas for geomembrane manufacturing.

#### **CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.



Memorandum to Larry E. Ruiz

Weekly Summary – Week of February 21 through 27, 2005

Page 3 of 5

6. Chair Construction Progress Meeting #4 to be held March 1, 2005 at 9:00 a.m. at the engineer's construction trailer.
7. Sample and test geocomposite rolls for quality assurance testing.
8. Sample and test soils samples from the Shelly Mines borrow pit. Borrow to be used for backfill and drainage sand.

#### **SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

#### **CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Section 8 Construction

Project No. 09200020.35  
 Log Updated: February 15, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05		
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Site Condition Survey (preconstruction)	1050	2-7-05	AR	
8	Excavation Plan	1300	2-8-05		
8A	Excavation Plan	1300	2-15-05	MC	2-22-05
9	Submittal Log – Preliminary Schedule	1300, 1.01 B.1	2-15-05	AR	2-23-05
19	CQC Consultant	Pre-Construction	2-23-05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



Date: February 21, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical excavation conditions in Section 8 - excavation limited to removal of clays and approximately 18-inches of organic soils. Looking east.

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Photograph No. 2



Date: February 21, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Excavation in northwest corner of Section 8. Looking west.



Photograph No. 3



Date: February 21, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: New north diversion swale. ERC pumped dewatering discharge into swale for infiltration.

---

Photograph No. 4



Date: February 23, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical excavation condition Section 8. Removal of clays and organic soils. Looking north.



Photograph No. 5



Date: February 23, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical rim ditch dewatering operation. Looking east.

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Photograph #6



Date: February 24, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: View #2 - Standing in the southeast corner of Section 8 looking to the north across the middle of Section 8.



Photograph #7



Date: February 24, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: View #3 - Standing at the northeast corner of Section 8 looking to the southwest corner of Section 8.

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Photograph #8



Date: February 25, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: ERC grading slopes in new sediment pond northeast of Section 8.



Photograph #9



Date: February 25, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Ditch to the north of Section 7 after rain. No material in ditch.

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Photograph #10



Date: February 26, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Standing at southeast corner looking northwest corner of Section 8.



Photograph #11



Date: February 26, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Standing in the northeast corner looking to the southwest corner of Section 8.

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## SCS ENGINEERS

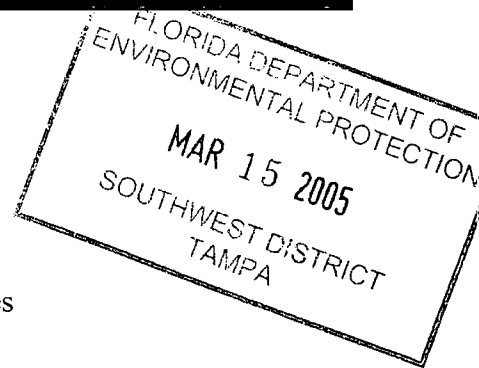
March 7, 2005  
File No. 09200020.35

### MEMORANDUM

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 5, Week of February 28 through March 6, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)



### CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK

1. February 28 (Monday) – ERC continuing to mass excavate overburden soils in Section 8. ERC using new sediment pond for dewatering of Section 8 excavation.
2. March 1 (Tuesday) – Construction Progress Meeting Number 4 ERC placed berm around septic tanks for trailers. ERC continuing to mass excavate overburden soils in Section 8. SCS Engineers cut a total of 6 samples, one sample from each of the 6 rolls of geocomposite to be tested.
3. March 2 (Wednesday) – ERC continuing to mass excavate overburden soils in Section 8.
4. March 3 (Thursday)- ERC continuing to mass excavate overburden soils in Section 8.
5. March 4 (Friday) - ERC continuing to mass excavate overburden soils in Section 8.
6. March 5 (Saturday) – ERC graded erosion ruts from haul roads. ERC pumping water from rim ditches in bottom of excavation of Section 8. Interior moist but equipment (off-road trucks, excavators) did traverse with delay to the project. Dewatering discharge being directed to the new diversion swale area. ERC continuing to mass excavate overburden soils in Section 8.
7. March 6 (Sunday) – No work completed.

### CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK

1. Continue mass excavation of overburden soils in Section 8.
2. Continued excavation of rim ditches in Section 8.





3. Continued dewatering activities.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS to monitored and documented ERC construction activities, especially as related to excavation, dewatering, and continued mobilization of trailers.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #4 to be held March 1, 2005 at 9:00 a.m. at the engineer's construction trailer.
7. Sample and test geocomposite rolls for quality assurance testing.
8. Sample and test soils samples from the Shelly Mines borrow pit. Borrow to be used for backfill and drainage sand.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: March 8, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.3	Geocomposite	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	
7B	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-8-05	MC	3-3-05
8A	Excavation Plan	1300	2-15-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	AR	3-01-05
11	Protective Cover Soil	02220	2-24-05	NE	
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



Date: February 28, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Standing in the southeast corner of Section 8 looking across to the northwest corner.

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Photograph No. 2



Date: February 28, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Standing in the southwest corner of Section 8 looking across to the southeast side of Section 8.



Photograph #3



Date: February 28, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: New sediment pond standing west side looking east.

---

Photograph #4



Date: February 28, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Ditch to the east of Section 8 looking south down the ditch. This ditch goes to Basin "C".



Photograph #5



Date: March 4, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical excavation conditions after rainstorm. Looking west.

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Photograph #6



Date: March 4, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical excavation conditions after rainstorm. Looking north.



Photograph #7



Date: March 5, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: New north diversion swale. Looking east.

---

Photograph #8



Date: March 5, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical bottom excavation and rim ditch (Rim ditch full after rainstorm). Looking east.



Photograph #9



Date: March 4, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Condition of temporary sedimentation basin on south side of Section 8.

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Photograph #10



Date: March 4, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Section 8 bottom area after rainstorm. Bottom saturated and ponding water looking northeast.



Photograph #11



Date: March 5, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Section 8 stockpile area. Looking north.

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Photograph #12



Date: March 5, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Stockpile area after rain. Looking north.



**SCS ENGINEERS**

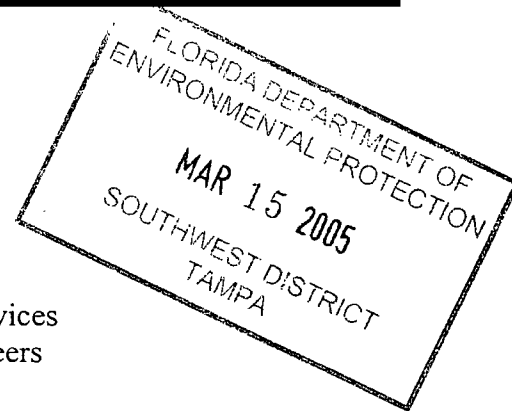
March 14, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 6 Week of March 7 through March 13, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. March 7 (Monday) – ERC continuing to mass excavate overburden soils in Section 8. ERC using new sediment pond for dewatering of Section 8 excavation.
2. March 8 (Tuesday) – Construction Progress Meeting Number 5 ERC continuing to mass excavate overburden soils in Section 8. ERC continuing to cover geocomposite roll ends with plastic using new sediment pond for dewatering. SCS and County approved Progress Payment 1.
3. March 9 (Wednesday) – ERC continuing to mass excavate overburden soils in Section 8. ERC continuing to cover geocomposite roll ends with plastic using new sediment pond for dewatering. ERC began uncovering tie in between Section 7 and Section 8. ERC Halted work at 12:00 PM due to saturated conditions.
4. March 10 (Thursday) - ERC continuing to mass excavate overburden soils in Section 8. ERC continuing to cover geocomposite roll ends with plastic using new sediment pond for dewatering. ERC installed temporary overflow weir in sediment basin. ERC continued ERC continued uncovering tie in in between Section 7 and Section 8 and began shaping south slope.
5. March 11 (Friday) - ERC continuing to mass excavate overburden soils in Section 8. ERC continuing to cover geocomposite roll ends with plastic and using new sediment pond for dewatering. ERC continued uncovering tie in between Section 7 and Section 8 and continued shaping south slope.
6. March 12 (Saturday) –ERC continuing to mass excavate overburden soils in Section 8 and using new sediment pond for dewatering. ERC continued uncovering tie in





between Section 7 and Section 8 and continued shaping south slope. ERC began backfilling south west slope.

7. March 13 (Sunday) – No work completed.

#### **CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. Continue mass excavation of overburden soils in Section 8.
2. Continued shaping of south and west slopes in Section 8.
3. Continued dewatering activities.
4. Begin preparing Section 8 for backfilling

#### **CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS to monitored and documented ERC construction activities, especially as related to excavation, dewatering.

#### **CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #6 to be held March 15, 2005 at 9:00 a.m. at the engineer's construction trailer.



Memorandum to Mr. Larry E. Ruiz  
Weekly Summary – Week of March 7 through March 13, 2005  
Page 3

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: March 11, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.3	Geocomposite	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	
7B	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-8-05	MC	3-3-05
8A	Excavation Plan	1300	2-15-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	AR	3-01-05
11	Protective Cover Soil	02220	2-24-05	MC	3-11-05
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



Date: March 7, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical excavation conditions in Section 8. Looking south.

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Photograph No. 2



Date: March 8, 2005 Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical excavation conditions. Looking north.



Photograph #3



Date: March 8, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Excavation in southwest corner of Section 8. Water seeping in from west. Looking west.

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Photograph #4



Date: March 9, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical sideslope condition along west side of Section 8. Looking north.



Photograph #5



Date: March 9, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical Section 8 excavation conditions. Looking north.

---

Photograph #6



Date: March 10, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Excavation along north side of Section 7 to expose liner system. Looking east.



Photograph #7



Date: March 10, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Typical excavation of Section 8. Looking west.

---

Photograph #8



Date: March 11, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: No. 4 rock stockpiled from Section 7 construction to be used in Section 8.



Photograph #9



Date: March 11, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Section 7/8 interface. Looking east.

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Photograph #10



Date: March 12, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Excavation of west side of Section 8. Looking north.



Photograph #11



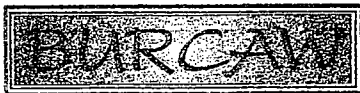
Date: March 12, 2005      Location: Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
Subject: Section 8 excavation. Unsuitable material removed. Looking north.

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**ATTACHMENT C**  
**Protective Cover Soil Reports**





Geotechnical Group  
Incorporated

• Geotechnical Engineering • Construction Materials Testing •

February 23, 2005

Mr. Jerry L. Pinder  
ERC General Contracting Services, Inc.  
890 Carter Road, Suite 170  
Winter Garden, FL 34787

RE: **Laboratory Testing**  
**SOUTHEAST COUNTY LANDFILL CAPACITY EXPANSION SECTION 3**  
**Hillsborough County, Florida**  
**BGG Job No. G04-760**

Dear Mr. Pinder:

Burcaw Geotechnical Group, Inc. (BGG) has performed the requested laboratory testing for soil samples from the referenced project. The testing was performed on the material intended for the protective cover soil. A representative of BGG sampled the material from the site on February 9, 2005. The samples are designated as Samples No. 1, 2, and 3.

The samples were tested for Standard Proctor (ASTM D-698), Soil Classification (D2487), Sieve Analysis (ASTM D-422), and Atterberg Limits (ASTM D-4318). Please refer to the attached Moisture-Density Relationship Report Nos. P1 to P3 for results. The samples were also tested for Hydraulic Conductivity (ASTM D-5084).

Please note, Sample No. 1 does not meet requirements for Maximum Passing No. 70 Sieve.

The results of the Hydraulic Conductivity (ASTM D-5084) testing at 95% of the Standard Proctor (D-698) are as follows:

Sample No.	Sample Location	Hydraulic Conductivity (cm/sec)
1	Shelly Lakes Mine	$1.3 \times 10^{-2}$
2	Shelly Lakes Mine	$5.9 \times 10^{-3}$
3	Shelly Lakes Mine	$4.8 \times 10^{-3}$

min. hydraulic conductivity  
of  $1 \times 10^{-3}$  cm/s

Sample Nos. 1, 2, and 3 do meet the requirement for minimum hydraulic conductivity of  $1 \times 10^{-3}$  cm/sec at 95% of the Standard Proctor.

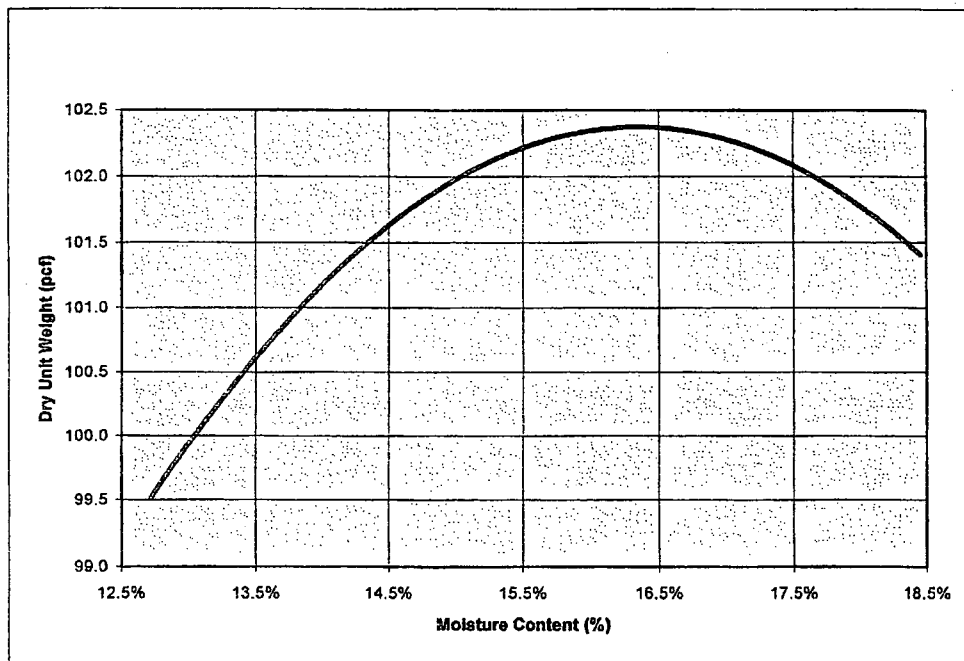
If you have any questions or if we can be of further service, please contact us at (813) 818-4606.

Sincerely,  
Burcaw Geotechnical Group, Inc.

*John R. Gregos, Jr.* 2/23/05  
John R. Gregos, Jr., P.E.  
CMT Manager

Enclosures: Moisture-Density Relationship Report Nos. P1 to P3  
g:\projects\2004 projects\g04-760 SE hillsborough cty landfill\sample 1,2, and 3 report 1.doc



**BURCAW GEOTECHNICAL GROUP, INC.**6402 W. Linebaugh Avenue, Suite A  
Tampa, Florida 33625813-818-4606 / 813-891-6686  
www.burcawinc.com**Tested For:** Jerry L. Pinder  
ERC General Contracting Services, Inc.  
890 Carter Road, Suite 170  
Winter Garden, FL 34787**Project:** Southeast County Landfill Capacity  
Expansion Section 8  
Hillsborough County, Florida**Date:** 2/9/2005**Project No.** G04-760  
**Report No.** P1**MOISTURE-DENSITY RELATIONSHIP**

Maximum Density: 102.4 PCF  
Optimum Moisture: 16.3 %  
Test Method: ASTM D-698, Standard  
Sampled by: Jason Brenneman  
Sample Date: 2/2/2005  
% Passing No. 200 Sieve: 1.50%  
Liquid Limit: Non-Plastic  
Plasticity Index: Non-Plastic  
USCS Classification: SP

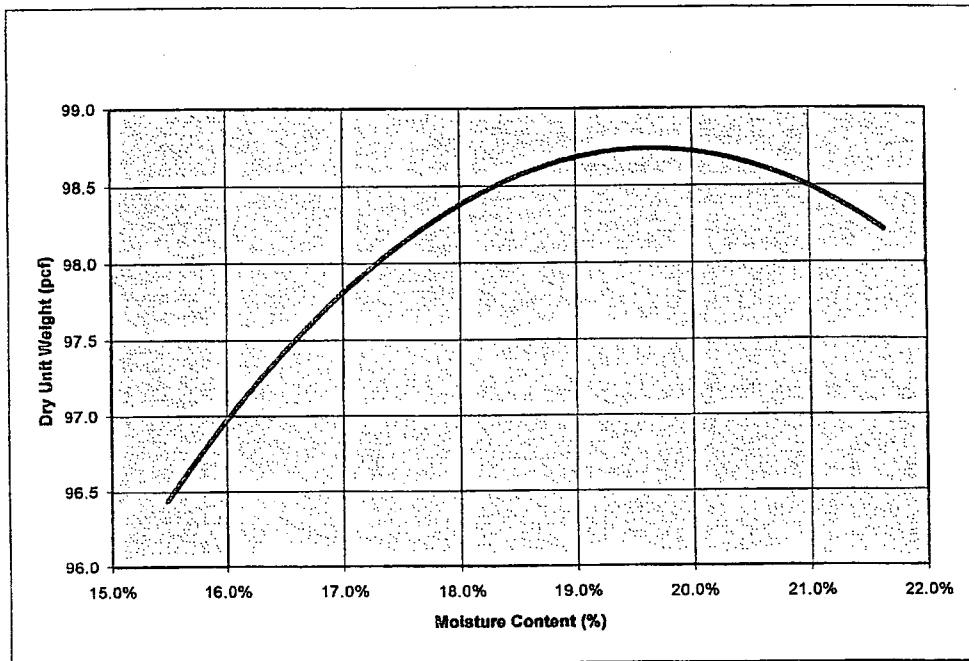
**Description:** Light Brown to Tan Fine Sand**Sample Location:** Shelly Lakes Mine

Sieve No.	% Passing by Weight	Max. % Passing*
No. 10	100	100
No. 30	91	95
No. 50	46	65
No. 70	24	20
No. 200	2	0-5

\*From 02220, 2.05.A. of Specifications

Respectfully Submitted,  
Burcaw Geotechnical Group, Inc.*J. R. Gregos, Jr.* 2/23/05  
Jenn R. Gregos, Jr., P.E.  
CMT Manager  
Florida Registration No. 58628



**BURCAW GEOTECHNICAL GROUP, INC.**6402 W. Linebaugh Avenue, Suite A  
Tampa, Florida 33625813-818-4606 / 813-891-6686  
www.burcawinc.com**Tested For:** Jerry L. Pinder  
ERC General Contracting Services, Inc.  
890 Carter Road, Suite 170  
Winter Garden, FL 34787**Project:** Southeast County Landfill Capacity  
Expansion Section 8  
Hillsborough County, Florida**Date:** 2/9/2005**Project No.** G04-760  
**Report No.** P2**MOISTURE-DENSITY RELATIONSHIP**

Maximum Density: 98.7 PCF  
Optimum Moisture: 19.6 %  
Test Method: ASTM D-698, Standard  
Sampled by: Jason Brenneman  
Sample Date: 2/2/2005  
% Passing No. 200 Sieve: 4.70%  
Liquid Limit: Non-Plastic  
Plasticity Index: Non-Plastic  
USCS Classification: SP

Description: Mottled Light Brown and Dark Brown  
Fine Sand with Hard Pan

Sample Location: Shelly Lakes Mine

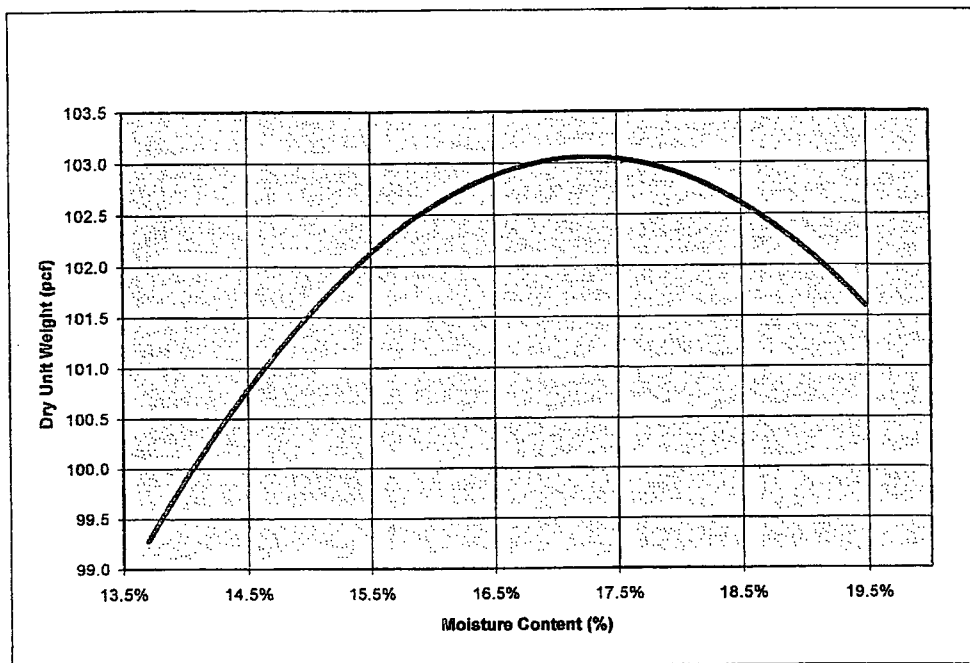
Sieve No.	% Passing by Weight	Max. % Passing*
No. 10	100	100
No. 30	81	95
No. 50	34	65
No. 70	20	20
No. 200	5	0-5

\*From 02220, 2.05.A. of Specifications

Respectfully Submitted,  
Burcaw Geotechnical Group, Inc.

*John R. Gregos, Jr.* 2/23/05  
John R. Gregos, Jr., P.E.  
CMT Manager  
Florida Registration No. 58628



**BURCAW GEOTECHNICAL GROUP, INC.**6402 W. Linebaugh Avenue, Suite A  
Tampa, Florida 33625813-818-4606 / 813-891-6686  
www.burcawinc.com**Tested For:** Jerry L. Pinder  
ERC General Contracting Services, Inc.  
890 Carter Road, Suite 170  
Winter Garden, FL 34787**Project:** Southeast County Landfill Capacity  
Expansion Section 8  
Hillsborough County, Florida**Date:** 2/9/2005**Project No.** G04-760  
**Report No.** P3**MOISTURE-DENSITY RELATIONSHIP**

Maximum Density: 103.1 PCF  
Optimum Moisture: 17.2 %  
Test Method: ASTM D-698, Standard  
Sampled by: Jason Brenneman  
Sample Date: 2/2/2005  
% Passing No. 200 Sieve: 3.30%  
Liquid Limit: Non-Plastic  
Plasticity Index: Non-Plastic  
USCS Classification: SP

Description: Dark Brown Fine Sand  
with Hard Pan

Sample Location: Shelly Lakes Mine

Sieve No.	% Passing by Weight	Max. % Passing*
No. 10	99	100
No. 30	72	95
No. 50	29	65
No. 70	15	20
No. 200	4	0-5

\*From 02220, 2.05.A. of Specifications

Respectfully Submitted,  
Burcaw Geotechnical Group, Inc.

*John R. Gregos, Jr.* 2/23/05  
John R. Gregos, Jr., P.E.  
CMT Manager  
Florida Registration No. 58628



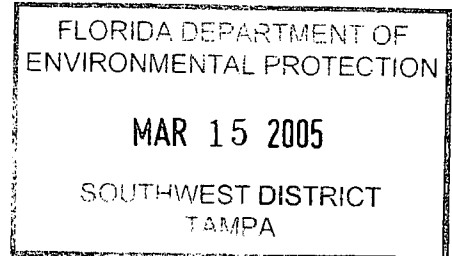
**ATTACHMENT D**  
SCS Response letter to RFI Number 7



**SCS ENGINEERS**

March 15, 2005  
File No. 09200020.35

Jerry L. Pinder, President  
ERC General Contracting Services, Inc.  
890 Carter Road  
Suite 170  
Winter Garden, FL 34787



Subject: Response to RFI Number 7  
Hillsborough County Southeast County Landfill  
Capacity Expansion Section 8 – Bid No. C-299-4 (MK)  
Hillsborough County, Florida

Dear Mr. Pinder:

SCS Engineers (SCS) has reviewed ERC General Contracting Services, Inc. (ERC) Request for Information Number 7, dated March 8, 2005, for the above referenced project. SCS has worked with ERC in the field during excavation of the Section 8 area and agrees that removal of the majority of the roots and organic materials below the waste phosphatic clay layer is warranted. In addition, once the majority of the root and organic materials has been removed, the incidental roots, of 1/2-inch in diameter or smaller, do not have to be excavated unless directed by the County or SCS.

SCS has reviewed the contract specifications and provides the following revisions;

**SECTION 02220 - EXCAVATION, BACKFILL, FILL AND GRADING**

**PART 2**

**2.01 GENERAL FILL**

Soil for general backfill use shall be well-drained, and free of sticks, ~~roots~~ roots or sticks (exceeding 1/2-inch diameter and no longer than 3 feet), organic matter, MSW, and stones larger than 1-inch in any dimension. Roots, sticks, or materials that the PROJECT MANAGER believes will impact the liner system for the project will be removed by the CONTRACTOR at no cost to the COUNTY.

The above modification was made to allow for the incidental root that may be excavated at the borrow pit and brought to the site. SCS reserved the right to reject soils that have an excessive amount of roots (more than 3 sticks per square yard) or that could impact the liner system.







Mr. Jerry L. Pinder, ERC  
March 15, 2005  
Page 2 of 2

If you have any questions, please call us at (813) 621-0080.

Sincerely,



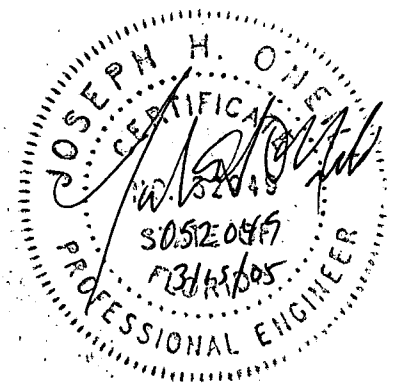
Joseph H. O'Neill, P.E.  
Project Manager  
SCS ENGINEERS



Raymond J. Dever, P.E., DEE  
Vice President  
SCS ENGINEERS

JHO/RJD:jho

cc: Larry E. Ruiz, SWMD





**ATTACHMENT E**  
Construction Progress Meeting Summary Reports



**SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: February 15, 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING SUMMARY**

**MEETING No. 2 - FINAL**

(Meeting was audio recorded for project record)

This is summary of the items discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 2. The date was February 15, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). The meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 1**

**a. Meeting Summary**

- 1) ERC stated that Tenax will ship netting to the site by the end of the week. ERC requested that sample be taken at the site. SCS indicated that if samples do not pass, ERC would be responsible for returning the material to plant at their own cost.
- 2) ERC stated I-4 clay pit could possibly be on of ERC clay sources. ERC also stated that Hurley mines had a new source of clay. ERC also indicated that they were collecting samples from another borrow source that had been used successfully on another Hillsborough County project. SCS indicated that collecting of samples for quality assurance will not proceed under ERC had identified the final borrow source.
- 3) ERC stated they are exempt from NPDES Permit. ERC stated they can use the existing permit that the landfill is using and comply under the condition of the landfill. ERC to forward a copy of e-mail correspondence between EPA Region IV and FDEP stating that no individual construction permit was required.
- 4) ERC requested the County intercede with TECO to help speed up the process of getting power to the field trailer since they are the owner of the property.



**b. Unfinished business:**

- 1) Power to trailer and list of items that trailer needs to be equipped with provided to ERC. List given to ERC for field trailer. In addition, the trailer needs to be cleaned.

**2. Project Schedule**

**a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will excavate new sediment pond.
- 2) ERC will continue doing mass excavation of Section 8.
- 3) ERC will start pumping water into new sediment pond as soon as it is completed.

**b. Progress and work activity projected for the week of 2/13/05 to 2/19/05:**

- 1) Dewatering of Section #8.
- 2) Excavation of new sediment pond.
- 3) Mass excavation of Section 8.
- 4) Start using new sediment pond for dewatering of Section 8 after it has been completed.
- 5) ERC working hours during this period of 7:30 am to 5:30 pm, 6 days a week.

**3. Engineers' Hours**

- a. 7:30 am - 5:30 pm, 6 days a week. SCS indicated that to date no overtime charges had been incurred due to ERC working on Saturday, February 12, 2005. SCS was not charging the time SCS was in the field for that day.

**4. Construction Conflicts**

- a. ERC needs to start pumping water from Section 8 into the new sediment pond as soon as completed.
- b. ERC will be given a copy of the CAD files.
- c. ERC was given sheets of drawings, pages 3, 7, and 8.
- d. ERC was given a copy of the fee schedule for SCS personnel as requested at Meeting No. 1.

**5. Contractor's Submittals Status**



**a. Submittals**

- 1) ERC making changes to submittals that require a change, and resubmitting the items they need to resubmit.

**6. Contractor Issues**

- a. ERC wants to continue using the existing ditch on the eastside of Section 8 to dewater Section 8 until new sediment pond can be completed.
- b. ERC to complete RFI to request hours be changed from 7:30 am - 5:30 pm, to 7:00 am - 5:30 pm, 6 days a week.

**7. County Issues**

- a. ERC requested access to the dewatering pumps on a 24-hour, seven days a week schedule for the purpose of servicing and maintaining the dewatering pumps. The County indicated that the site has restrictions on operating hours and this may conflict with servicing the pumps at night and the County will coordinate with Security to provide access.

**8. Engineer's Issues**

- a. No additional concerns noted at this time.

**9. Site Safety and Housekeeping**

- a. ERC conducting daily Health and Safety meeting with crew.

**10. Other Issues**

- a. None



## Progress Meeting # 2

Print.

Dennis Adams

Larry Fin

Vaden Pollard

JERRY PINDER

Joseph O'Neill

SCS

SWMD

ERC

ERC

SCS

phone #

813-210-1297

813-671-7707

321-231-0208

402-654-3307

(813) 621-0080



## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: February 22, 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 3**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of the items discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 3. The date was February 22, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). The meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 3**

**a. Meeting Summary**

- 1) McIntosh and Highway 301 borrow pit is currently being tested by ERC as a potential source of clay for the project. ERC requested to have SCS do their sampling of the clay material after Burcaw Engineering completed their analysis to show that the clay is in conformance with the specifications. This is being done in order to provide at suitable clay source with proven test results so that SCS does not sample an unconfirmed clay source.. SCS reminded ERC that if the clay doesn't meet the specification, ERC would be charged for SCS Engineer's time to do this test. SCS requested that test results be submitted as soon as possible. SCS also reminded ERC about the long testing time associated with conducting the EPA 9100 test. ERC indicated that they had sufficient leachate to perform the test, and that the testing was already underway at Burcaw Engineering.
- 2) ERC said they were going to submit an RFI to change working hours to 7:00 am to 5:30 pm, 6 days a week. ERC said they were also going to submit an RFI to allow someone onsite, after hours, to service the pumps during the dewatering of Section 8. This person will be performing no work other than servicing the pump(s) in operating order so they can pump for 24 hours.



## **WEEKLY CONSTRUCTION PROGRESS MEETING No. 3 - FINAL**

**February 22, 2005**

**Time: 9:00 am**

- 3) ERC is continuing with mass excavation of Section 8.

### **b. Unfinished business:**

- 1) SCS indicated that the septic tank at the Contractors/Engineers' trailers needs to have a berm constructed around it so it will contain any sewage if the septic tank overflows, and this would also prevent it from running into Basin "C".
- 2) ERC wanted to submit their first billing for the project in a draft form as early as possible. ERC will be working on the billing this week and the first pay request would be ready to submit it to SCS next week. SCS indicated that if items were ready to be verified for payment, then ERC should coordinate with SCS this week to get some of the pay items and quantities approved prior to submittal of the pay request. ERC indicated that Monday, February 28, 2005 the pay request would be completed and ready for SCS review.

## **2. Project Schedule**

### **a. Current progress as it relates to the preliminary project schedule**

- 1) ERC is conducting mass excavation of Section 8.
- 2) ERC will be bringing in backfill material to the project in the next few weeks for Section 8.
- 3) ERC will be conducting the proof rolling of Section 8 in the next few weeks, as soon as excavation of Section 8 has been completed.
- 4) ERC wants SCS to see if the material ERC has piled along the rim ditch(s) in Section 8 is suitable for backfill material, or ERC would bring in new backfill material and proof roll the new material in the rim ditch excavation the same time as the first lift of backfill is done in Section 8.
- 5) The middle portion of June is ERC's target date to place clay material in Section 8.
- 6) ERC has July for their target date to install the HDPE piping in Section 8.
- 7) According to the schedule submitted in this progress meeting, ERC is ahead of schedule and anticipates completion of the project in late August. This is about 2 months ahead of schedule.

### **b. Progress and work activity projected for the week of 2/21/05 to 2/26/05:**

- 1) ERC will continue with dewatering of Section 8.



## **WEEKLY CONSTRUCTION PROGRESS MEETING No. 3 - FINAL**

**February 22, 2005**

**Time: 9:00 am**

- 2) ERC will continue with mass excavation of Section 8.
- 3) ERC needs to make a decision whether they are going to dig the new northern sediment pond deeper to remove additional clay. If not, they need to finish grading the slopes in the new sediment pond. ERC requested direction as to how the slopes would be finalized, seeding and mulch or sod on the sideslopes. Also the issue to topsoil under these items needed to be addressed. SCS/County indicated that seeding and mulch would be acceptable however ERC needed to make a decision on whether they would have equipment on the slopes to excavate the pond deeper.
- 4) ERC will be using the new sediment pond to the north of Section 8 for the dewatering of Section 8.
- 5) ERC will replace silted hay bales along the ditch east of Section 8, so if it rains, the water can flow freely into Basin C.

### **a. ERC proposed working hours during this period**

ERC working hours are 7:30am to 5:30pm, 6 days a week.

### **d. Subcontractors and/or materials expected onsite**

Two additional loads of geocomposite to be delivered onsite. SCS indicated that there were some rolls delivered to the site without MQC certificates. ERC was going to coordinate with the supplier and determine whether additional MQC certificates were being forwarded.

## **3. Engineers' Hours**

The Engineers' hours are 7:30 am to 5:30 pm, 6 days a week.

## **4. Construction Conflicts**

- a. ERC will be submitting an RFI to request changes in the working hours to change to 7:00 am to 5:30 pm, 6 days a week.
- b. ERC will be submitting an RFI to find out what if the stripped topsoil from the Section 8 clearing and grubbing operation could be used on the sideslopes for the project.

## **5. Contractor's Submittals Status**

### **a. Shop drawings**



**WEEKLY CONSTRUCTION PROGRESS MEETING No. 3 - FINAL**  
**February 22, 2005**  
**Time: 9:00 am**

Nothing discussed.

**b. RFI's**

- 1) RFI #1  
ERC requested working on Saturday 7:30 am to 5:30 pm. This request was approved by SCS.
- 2) RFI #2  
RFI #2 did not pertain to our project and was submitted by mistake to SCS. SCS had no comment on this RFI.
- 3) RFI #3  
RFI # 3 requested access to the site on a 24 hour, 7 day a week basis for servicing the dewatering pumps. The request was approved by SCS.

**c. Submittals**

ERC indicted that no outstanding submittals were delaying progress of the project.

**6. Contractor Issues**

- a. ERC wants to change working hours to 7:00 am to 6:00 pm, 5 days a week, and 7:30 am to 5:30 pm on Saturdays.
- b. ERC requested that the excavation of the rim ditches be included in the excavation quantities. The County indicated that the material being excavated out of the rim ditches was to be removed and the ditches rolled and backfilled with clean backfill and compacted, then the rim ditch excavation could be included in the pay line item.

**7. County Issues**

- a. The County wanted ERC to remind all ERC employees or subcontractors they need to obey all signs onsite including speeding signs and stop signs.
- b. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking was to be allowed within the project limits. If employees wanted to smoke, then immediately outside of the trailers was designated as an acceptable area.

**8. Engineer's Issues**



**WEEKLY CONSTRUCTION PROGRESS MEETING No. 3 - FINAL**  
**February 22, 2005**  
**Time: 9:00 am**

No additional concerns noted at this time.

**9. Site Safety and Housekeeping**

**a. ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

**b. Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

**10. Other Issues**

None



DATE: 2/22/05

[illegible]



## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)**

**Date: March 1, 2005      Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 4**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 4. The date was March 1, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 4**

**a. Meeting Summary**

- 1) The possibility of retrofitting the over flow pipe so that more water can be held in Basin C was discussed. ERC may return to dewatering Section 8 into the ditch to the east of Section 8 that flows to Basin C.
- 2) RFI to change working hours during mass excavation to 7:00 am to 6:00 pm, 5 days a week and 7:00 am to 5:30 pm on Saturday has been submitted on February 22, 2005, but not approved.
- 3) ERC is continuing with mass excavation of Section 8.

**b. Unfinished business:**

- 1) ERC said that Burcaw Engineering will be testing the borrow pit at McIntosh and Highway 301. This testing has not been completed yet but is underway. SCS said they need to complete the sampling because the test can take about a month.



**2. Project Schedule**

**a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will continue with mass excavation of Section 8.
- 2) ERC states they will complete excavation of Section 8 around March 22.
- 3) ERC states the reason for the early finish on excavation is due to 5' to 6' less material that needs to be excavated from Section 8. They will not be excavating down as far as the plans specify.
- 4) ERC states clay backfill will start middle of June.
- 5) ERC states HDPE liner installation will be in July.
- 6) ERC will do complete excavation of Section 8 before they do any proof rolling and begin backfilling.

**b. Progress and work activity projected for the week of 2/28/05 to 3/5/05:**

- 1) ERC will continue with mass excavation of Section 8.
- 2) ERC will continue using the new sediment pond for their dewatering of Section 8.
- 3) ERC will continue using the new sediment pond for their dewatering as long as it does not start to interfere with their stockpile area.
- 4) ERC states the water flowing into their stockpile area is not a current problem, but could be an issue later if there is more rain.
- 5) ERC will look at other options they have if the dewatering in the new sediment pond becomes a problem.
- 6) ERC may want to put an 8 inch pipe from the new sediment pond into the ditch east of Section 8 which goes to Basin C.

**c. ERC proposed working hours during this period**

ERC working hours are 7:30 am to 5:30 pm, 6 days a week.

**d. Subcontractors and/or materials expected onsite**

N/A

**3. Engineers' Hours**



The Engineers' hours are 7:30 am to 5:30 pm, 6 days a week.

**4. Construction Conflicts**

- a. SCS will give ERC the total hours of overtime that SCS has worked that ERC is responsible for paying.
- b. ERC stated that the siltation from Section 7 has buried the new bales of hay and silt fence within this area of the ditch. Any water placed into this ditch by ERC during dewatering and stormwater management activities would place turbid water and silt into Pond C. Per the contract, ERC cannot knowingly put turbid water into Pond C which currently has an outfall to the lake within 6" of the floor bottom. Therefore, ERC will not pump into this Basin due to its undersize capability during construction. Filling this Basin would only cause future turbid water release to the lake during a typical rain event. It is designed for a completed and closed landfill cells and not for construction use. ERC cannot willingly place turbid water into the lake due to the NPDES permit specification requirements. Alternate locations for discharging water were to be investigated after the meeting.

**5. Contractor's Submittals Status**

**a. Shop drawings**

- 1) SCS has returned some shop drawings back to ERC.
- 2) SCS is confused with some of ERC's submittal numbering.
- 3) SCS states some of the submittals are mislabeled.
- 4) SCS states the excavation plan review is completed and returned it to ERC.

**b. RFI's**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.

**c. Submittals**

ERC indicated that no outstanding submittals were delaying progress of the project.

**6. Contractor Issues**



## WEEKLY CONSTRUCTION PROGRESS MEETING No. 4 - FINAL

March 1, 2005

Page 4

- a. ERC wants to change working hours to 7:00 am to 6:00 pm, 5 days a week and keep Saturday hours 7:30 am to 5:30 pm.
- b. The rim ditch exaction will not be part of the first billing.
- c. SCS will be cutting samples from the geocomposite today, March 1, 2005, so they can be tested.

### 7. County Issues

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.

### 8. Engineer's Issues

- a. ERC did not exceed the number of rain days that as allotted in the contract for February. Sunday will not be counted as a rain day since no work was performed.
- b. ERC states they will submit a letter in March if the rain days exceed the number of days stated in the contract.
- c. SCS will be collecting samples at the Shelly Mines today, March 1, 2005. Vaden from ERC, Larry from the County and Kim Byers of SCS will collect samples.

### 9. Site Safety and Housekeeping

- a. **ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### b. Safety Meeting Schedule

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

### 10. Other Issues

None







**SCS ENGINEERS****HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)****Date: March 8, 2005      Time: 9:15 am****WEEKLY CONSTRUCTION PROGRESS MEETING No. 5****MEETING SUMMARY - FINAL****(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 5. The date was March 8, 2005. The start time was approximately 9:15 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 5****a. Meeting Summary**

- 1) SCS discussed RFI # 6 concerning the mass excavation of Section 8. SCS has reviewed ERC's request to change working hours during the mass excavation of Section 8 to 7:00 am to 6:00 pm, 5 days a week and Saturday hours to remain 7:30 am to 5:30 pm and will have a response concerning the RFI request by tomorrow, Wednesday, March 9<sup>th</sup>.
- 2) SCS discussed receipt of RFI # 4, regarding modifying the limits of construction in the Section 9 the stockpile area for backfill. SCS stated that they had received an emailed cad file concerning this RFI, and would have a response soon for both this RFI and RFI #4 which also concerns the modification of the limits of construction.
- 3) SCS discussed ERC negotiating with Waste Management to dig the sediment pond deeper. SCS stated that ERC should negotiate directly with Waste Management. SCS also stated they would like to be kept abreast of



March 8, 2005

Page 2

any decision. ERC stated they would give Waste Management a price. SCS further stated that they only interest was the time frame of the construction. If Waste Management did not agreed to the price offered by ERC, then the County would make a decision on whether the Allowance pay item in the contract would be used to compensate ERC for excavating the pond deeper.

- 4) SCS discussed with ERC the procedures for claiming rain delays per contract. SCS stated that this had been discussed at the last progress meeting and was tied to days in the contract and it was outlined in the contract documents.
- 5) SCS discussed collecting soil samples at the Shelly Mines on March 1, 2005 at 3:00 pm. SCS stated that they had received primary results back, but were expecting some additional secondary test results to be forthcoming and they would contact the lab for these results. SCS also stated that a decision would be made after receiving these results. ERC asked if there appeared to be any problems with the results. SCS further stated not at this time. SCS then stated for clarification that what they had procured and sampled was to be used as backfill and that submittal # 11, appeared to be more directed to be utilized as drainage sand or protective cover. SCS stated that it looked good for protective cover as far as the permeability and percent fines were within specification, and only one sieve analysis being out of specification on one sample. SCS asked if ERC planning on using this material for backfill. ERC offered clarification by stating there were two soil strata, one below the other and one was coarser than the other. ERC stated that they would probably use the same material for both backfill and protective cover. SCS cautioned ERC that if there were two different strata, there would be different proctors and if they planned on using the lower, cleaner strata they would need the appropriate test results. ERC stated that there were three samples tested and all were meeting specifications with exception of one criterion of the sieve analysis. SCS acknowledge this, and ERC offered a sample to SCS for testing.
- 6) SCS gave an update for the 6 geocomposite roll samples that were sent to TRI for conformance testing. SCS further stated that they would relay these results to ERC upon receipt. SCS further discussed the need for interface shear testing of the protective cover sand and the composite as the last materials testing that would be needed for stored materials payment. A short discussion was held concerning the next pay application



March 8, 2005

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as to submitting a draft prior to the 1<sup>st</sup> of April for review by the engineer prior to submitting to the County.

In addition a short discussion was held concerning soil conditions and excavation problems in the Section 8 area and the stockpile area. SCS stated they would look at the described area after the meeting.

- 7) SCS asked for clarification concerning billing for excavation of the rim ditches for payment. ERC said that the rim ditch excavation would not be reflected on a pay request until their surveyor (Pickett and Associates) could shoot them in and it may not occur on the next pay application.

**b. Unfinished business:**

- 1) SCS asked ERC about the status of the low permeability clay borrow source and testing by Burcaw Engineering. ERC indicated that the testing was underway and on-going. ERC stated that they still intended use the Mc Intosh borrow and that they would call Burcaw for an update of the status of their analysis.

**2. Project Schedule**

**a. Current progress as it relates to the preliminary project schedule**

- 1) SCS acknowledge receipt of an updated project schedule and ERC will continue to perform mass excavation in Section 8 with an approximate completion date of March 22nd. In addition, backfilling will begin on March 17<sup>th</sup>, June 24<sup>th</sup> begin clay, and July 15<sup>th</sup> start liner. According to the present schedule. SCS then commented that ERC was ahead of schedule by contract. ERC then stated that they would be submitting a request to continue the Saturday work for the task of backfilling and the pit would only be open for 8-hrs. a day on Saturdays. SCS responded that they had the RFI requesting a change for excavation on Saturdays, but not one for backfilling. SCS the discussed outstanding submittals for liner, and advised that these submittals usually required more time for review. SCS reminded ERC that notice needed to be given to SCS prior to shipping the geomembrane so testing could be completed in the manufacturing plant. SCS also discussed the density testing requirements on backfill and offered to meet with ERC and their geotechnical subcontractor, to develop a plan and system for tracking these test. ERC stated their geotechnical firm had a plan and system in place for tracking the test. SCS then offered



to review their system without any interference, and only to insure that it would meet the testing and reporting criteria to insure uniformity. Liner Integrity testing was then discussed as part of the schedule. The County had questions concerning how the Contractor intended to perform the testing. The County indicated that the entire Section 8 area needed to be covered with 12-inches of sand prior to conducting the Leak Integrity testing. The County indicated that the Leak Integrity company could locate a hole in the liners very accurately. A brief discussion was held concerning testing requirements and procedures for testing.

- 2) SCS discussed with ERC how effective was the use of the new sedimentation pond for dewatering Section 8. ERC stated that the pond appeared to be keeping up with the dewatering and they had not sustained any real problems with its use. A brief discussion was held concerning the installation of an overflow pipe in case of heavy rains. ERC stated that there did not appear to be any danger in this happening at this time, but would monitor the need for a pop off.

**b. Progress and work activity projected for the week of 2/28/05 to 3/5/05:**

- 1) ERC will continue with mass excavation of Section 8.
- 2) ERC will continue using the new sediment pond for their dewatering of Section 8.

**c. ERC proposed working hours during this period**

ERC working hours are 7:30 am to 5:30 pm, 6 days a week.

**d. Subcontractors and/or materials expected onsite**

SCS asked about whether the surveyor (Pickett and Associates) would be on site this week. ERC stated that the surveyor would probably be next week due to the rain days. A brief discussion was held concerning requesting rain days and the causes of rain days. The Engineer asked whether it was a problem with excavation or stockpiling. ERC described some of their problems concerning stockpiling under wet conditions. ERC also asked about stockpiling in other areas. The County commented that this area on the west side would interfere with later cell expansion. SCS ended the discussion by advising ERC to document thoroughly all claims for additional rain days.



### **3. Engineers' Hours**

The Engineers' hours are 7:30 am to 5:30 pm, 6 days a week.

### **4. Construction Conflicts**

SCS stated that they would give ERC an accounting of the total overtime hours for February and in the future supply a running total for all overtime hour that ERC is responsible for paying as per contract. ERC requested from SCS an hourly rate for overtime. SCS stated that the fee schedule for charging the County had previously been provided in a letter to ERC and the fees as shown on this schedule were based on the contracted fees with the County. ERC asked which rate is being applied for on site inspection. SCS stated they would review this and requested that this question be incorporated in an RFI.

ERC then submitted RFI# 7 concerning backfill. A discussion was held concerning finger size roots being found during excavation and backfilling. The engineer stated that a modification would have to be written regarding both issues and that by submitting the RFI, ERC had approached the issue in the correct manner. The Engineer also stated that an answer would be forth coming regarding these issues. ERC then brought up the savings to the contract that would be realized by not over-excavating every finger size root encountered. SCS again stated that they would review the issue using good judgment.

### **5. Contractor's Submittals Status**

#### **a. Shop drawings**

- 1) SCS discussed GSE's liner submittals
- 2) SCS stated that would like to meet with ERC's to straighten out submittal numbering.

#### **b. RFI's**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.



SCS stated that they were in possession of RFI 4, 5, 6 and a reply would be forthcoming and would add #7 to the list. SCS also stated that RFI # 6 working hours probably held the highest priority for being returned back to the contractor. ERC asked if there was any preliminary decision at this time regarding the RFI. SCS responded that there probably would not be a problem with hours, but it was too early in the project to determine the overtime payment issue and would continue to be tracked.

**c. Submittals**

SCS stated that they had the pre-construction topo ready to be returned to the contractor at this time. SCS indicated that as soon as the geocomposite conformance results were received from TRI/Environmental they would be forwarded to ERC.

**6. Contractor Issues**

- a. SCS stated they would sign off on the revised pay request after the meeting. ERC asked about including the payment for stored materials in their percentage completion totals so as to recoup a greater percentage of mobilization monies. A short discussion followed concerning this issue with a general consensus by the Engineer and the County that it could be included and that the percent of mobilization was based upon the total compensation earned to date (i.e. the total compensation could include stored materials).

**7. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.

**8. Engineer's Issues**

ERC is to submit a letter to SCS if the rain fall for the month of March exceeds the contract limits.

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

After sampling has been approved on the geocomposite, ERC may charge for stored materials.



SCS discussed that in the past, large pieces of hardpan in the backfill had been an issue during the construction of the Section 7 area and reminded ERC that it would not be tolerated during backfill operations.

## **9. Site Safety and Housekeeping**

### **ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

## **10. Other Issues**

On site washing of equipment was discussed. The County stated they would investigate further the ban against washing down equipment on-site. ERC stated that they were not cleaning equipment engine compartments only washing truck windshields as part of a safety issue. The tracks on equipment needed cleaning due to the build up of the mud and clay is a maintenance problem and the equipment becomes hard to steer and stall out with too much build up between the tracks. ERC also stated that they were not washing oils and greases just built up mud and clay. SCS stated they would review the issue.

Parking of vehicles outside the limits of construction. ERC stated that they would not park on the Section 7 sideslopes and only parked there temporarily while moving the fuel tanker and regrading an area by the storage trailers.

A brief discussion was held concerning future work on Section 8 and allowance compensation for additional work. The future work would entail the installation of a gas collection trench on the west side of the landfill. SCS informed ERC that the trenching operation would be only two feet deep and backfilled with tire chips. The construction would involve a small excavator and coordination with the raintarp installation crews.





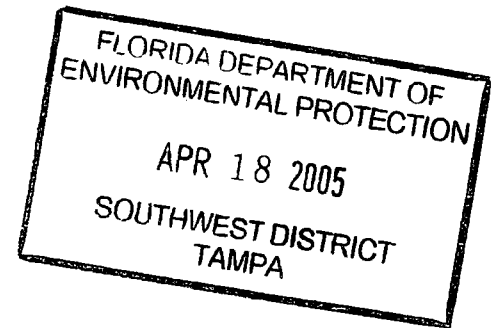


**SCS ENGINEERS**

April 18, 2005  
File No. 09200020.35

Ms. Susan J. Pelz, P.E.  
Florida Department of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Subject: Monthly Update – March 16, 2005 to April 15, 2005  
Southeast County Landfill, Hillsborough County  
Capacity Expansion Section 8 Construction  
Permit Number 35435-009-SC



Dear Ms Pelz:

On behalf of the Hillsborough County Solid Waste Management Department (County), SCS Engineers (SCS) is submitting the attached monthly summary of the construction activities for March 16 through April 15, 2005 conducted for the above referenced project.

**Summary of Activities**

**Project Overview**

- Notice-to-Proceed for the project was established as January 31, 2005.
- Substantial Completion of the project was established as September 2, 2005.
- Final Completion of the project was established as October 2, 2005.

**ERC Projected Schedule (Refer ERC's project schedule contained in Attachment A)**

- Mass Excavation of Material was completed on March 30, 2005.
- Backfill and compaction of general fill was scheduled to begin on March 24. Backfilling of Section 8 began on March 29, 2005.
- Placement of subbase soils scheduled to begin about June 14, 2005.
- Placement of Geosynthetic materials scheduled to begin about July 5, 2005.
- Placement of protective cover soils scheduled to begin about July 25, 2005.
- Leak integrity testing of the bottom liner system scheduled to begin about August 4, 2005.





Ms Susan J. Pelz, P.E.  
Monthly Update – March 16, 2005 to April 15, 2005  
April 18, 2005  
Page 2

- Placement of tire chips scheduled to begin about August 17, 2005.
- ERC scheduled to demobilize by August 25, 2005.

Please refer to the Weekly Summary Reports, contained in Attachment B, for a daily listing of activities, submittal logs, and representative construction photographs.

As of April 15, 2005 the following activities were occurring:

- ERC completed the mass excavation and removed all unsuitable soils to approximately Elevation 119 across the entire site. Excavation below approximately Elevation 119, with the exception of the dewatering rim ditches, was not needed because the waste clays were removed and suitable foundation material was encountered at the elevation.
- ERC continuing backfilling and proof rolling the Backfill soils in the Section 8 capacity expansion area.
- ERC is continuing using new sediment pond for dewatering of Section 8.
- Burcaw on site performing compaction testing of Section 8 backfill.
- ERC working on grading haul roads and stockpile area.
- GSE will be manufacturing the textured geomembrane for the project this month. Delivery expected in the month of April.

#### **Summary of Submittals/Change Orders**

Attached to the Weekly Summary Reports, contained in Attachment B, is a list of submittals reviewed to-date by SCS for the project.

No major changes to the project permit specifications or drawings to report this period.

#### **Construction Progress Meeting Summary Reports**

Attachment C contains summary reports for the following Construction Progress Meetings;

Construction Progress Meeting Number 6 – March 15, 2005  
Construction Progress Meeting Number 7 – March 22, 2005  
Construction Progress Meeting Number 8 – March 29, 2005  
Construction Progress Meeting Number 9 – April 5, 2005



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Monthly Update – March 16, 2005 to April 15, 2005  
April 18, 2005  
Page 3

The meeting summary for Construction Progress Meeting Number 10, held on April 12, 2005 will be included in the next submittal.

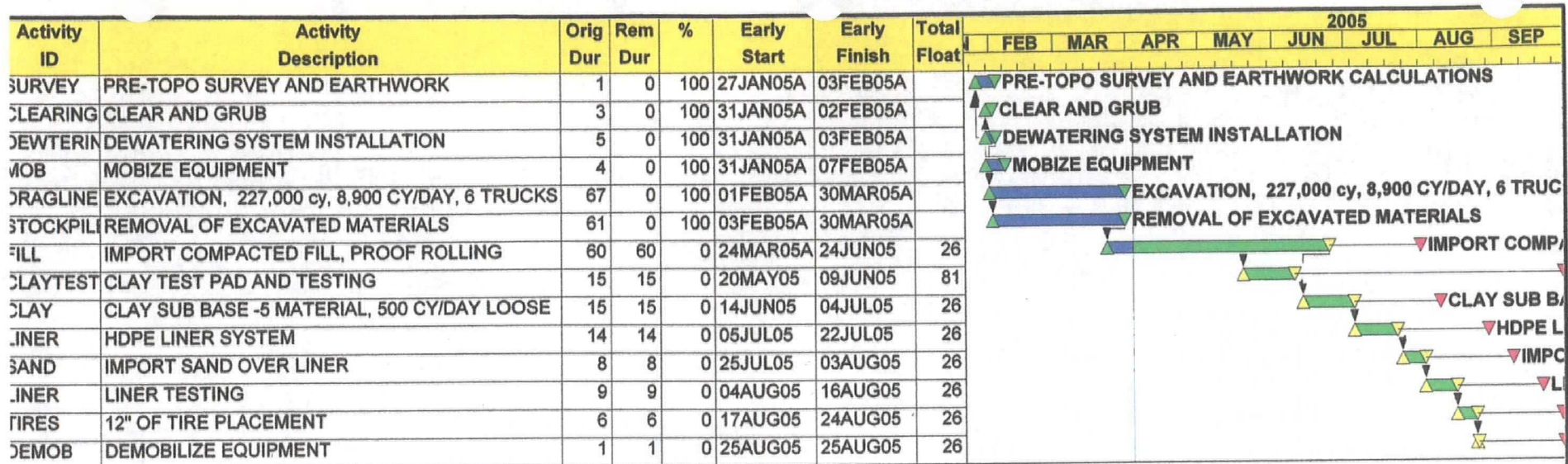
### **Photographs**

Photographs that are representative of the construction activities conducted during this report period are shown in the Weekly Summary Reports contained in Attachment B.



**ATTACHMENT A**  
Construction Progress Schedule





Project Start 31JAN05  
 Project Finish 25AUG05  
 Data Date 04APR05  
 Plot Date 01APR05

▲ Early Bar  
 ▼ Float Bar  
 ▲ Progress Bar  
 ■ Critical Activity

HILLS

ERC GENERAL CONTRACTING SERVICES, INC.  
 HILLSBOROUGH COUNTY LANDFILL SECT 8  
 Classic Schedule Layout

Sheet 1 of 1

Progress Meeting No 9.



**ATTACHMENT B**  
Weekly Summary Reports



**SCS ENGINEERS**

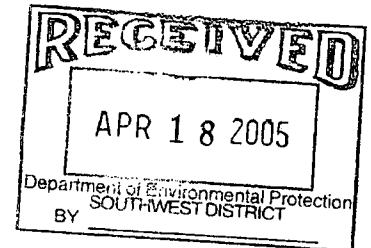
March 14, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 7 Week of March 14 through March 20, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. March 14 (Monday) – ERC continuing to mass excavate overburden soils in Section 8.
2. March 15 (Tuesday) – Construction Progress Meeting Number 6. ERC continuing to mass excavate overburden soils in Section 8. ERC had a problem with the rim ditch silting in on the west side of Section 8 because the rim ditch was too close to the toe of slope. SCS had ERC move the rim ditch over about 15 feet east of the toe rather than digging into the slope to a steeper angle.
3. March 16 (Wednesday) – ERC continuing to mass excavate overburden soils in Section 8. ERC excavated ramp on southwest corner going down into Section 8. ERC also excavating material piled along the rim ditch using off road trucks to haul material to stockpile area.
4. March 17 (Thursday) – No work completed due to rain, ERC only did dewatering of Section 8.
5. March 18 (Friday) – No work completed due to rain, ERC only did dewatering of Section 8.
6. March 19 (Saturday) – No work completed due to rain, ERC only did dewatering of Section 8.
7. March 20 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. Continue mass excavation of overburden soils in Section 8.





2. Continued shaping of south and west slopes in Section 8.
3. Continued dewatering activities.
4. Begin preparing Section 8 for backfilling.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS to monitored and documented ERC construction activities, especially as related to excavation, dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting # 7 to be held March 22, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log.

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: March 18,2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: March 18,2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** March 14, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8. Looking north along rim ditch going to the northwest corner.

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Photograph No. 2



**Date:** March 14, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Western slope of Section 8. ERC has moved ditch over away from slope, now it isn't filling up from slope material.



Photograph #3



**Date:** March 15, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner of Section 8. Looking across excavation to the north. ERC excavator loading off road trucks.

---

Photograph #4



**Date:** March 15, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8. Looking at rim ditch in middle of excavation. This rim ditch runs north and south.



Photograph #5



**Date:** March 15, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Southern slope of Section 8 excavation.

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Photograph #6



**Date:** March 16, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner of Section - looking north. ERC excavators loading trucks.



Photograph #7



**Date:** March 16, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Northeast corner of Section 8 shows excavator cleaning rim ditch. This ditch runs east and west across Section 8.

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Photograph #8



**Date:** March 16, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Off road trucks running on bottom of Section 8, before rain on 3/17/05.



Photograph #9



**Date:** March 17, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Rim ditch along southern slope of Section 8 after rain event.

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Photograph #10



**Date:** March 18, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC setting up 2 hydraulic pumps for their dewatering of Section 8 excavation.



Photograph #11



**Date:** March 18, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Pump in the northeast corner of Section 8 excavation, where water is being pumped from Section 8 into the new sediment pond to the northeast of Section 8.



**SCS ENGINEERS**

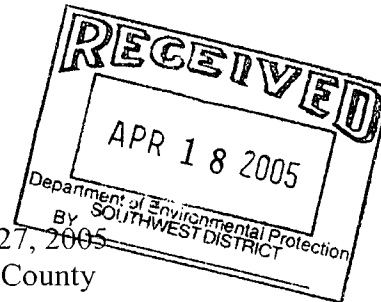
March 21, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 8 Week of March 21 through March 27, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. March 21 (Monday) – ERC continuing to mass excavate overburden soils in Section 8. ERC using new sediment pond for dewatering of Section 8 excavation.
2. March 22 (Tuesday) – Construction Progress Meeting Number 7. ERC continuing to mass excavate overburden soils in Section 8. After meeting today, ERC used two 10-ton vibratory rollers to proof roll an area in bottom of Section 8. This area passed the proof rolling test.
3. March 23 (Wednesday) – ERC continuing to mass excavate overburden soils in Section 8. Started raining today around 10 am. ERC sent most of the crew home. Five operators stayed and worked on slopes on excavation of Section 8.
4. March 24 (Thursday)- ERC continuing to do mass excavation of Section 8. Also did proof rolling of about 2.5 acres in bottom of Section 8.
5. March 25 (Friday) - ERC. Continuing to do mass excavation of Section 8 and dewatering of Section 8 excavation.
6. March 26 (Saturday) — ERC working on rim ditches in Section 8 excavation to dry up some areas so they can proof roll.
7. March 20 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. Continuing their proof rolling of bottom of Section 8 excavation.
2. Starting their backfilling of Section 8 excavation.





3. Continued dewatering activities.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #8 to be held March 29, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log.

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: March 25, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
13	Backfill Soil	02220	3-14-05	NE-see Engr	3-18-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: March 25, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
				Note	
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** March 21, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC continuing to mass excavate. Standing in the southeast corner looking to the northeast corner of Section 8 excavation.

Photograph No. 2



**Date:** March 21, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** South slope of Section 8. ERC continues to work on sideslopes.



Photograph #3



**Date:** March 22, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Middle of Section 8 excavation.

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Photograph #4



**Date:** March 22, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC cleaning up material along rim ditch in bottom of Section 8 excavation.



Photograph #5



**Date:** March 23, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** 100" & 25" test strip in bottom of Section 8 excavation dug down to rim ditch elevation and proof rolled area. Area was hard and passed proof rolling test.

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Photograph #6



**Date:** March 23, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Area in eastern section of Section 8 after proof rolling.



Photograph #7



**Date:** March 24, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing at the southwest corner of Section 8 excavation looking at the mass excavation of the northwest corner. ERC is getting ready for their proof rolling of the Section 8 excavation.

Photograph #8



**Date:** March 24, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8 excavation looking to the northeast corner. This area has been proof rolled.



Photograph #9



**Date:** March 24, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Proof rolling of the Section 8 excavation.

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Photograph #10



**Date:** March 25, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the northwest corner of mass excavation of the bottom of Section 8.



Photograph #11



**Date:** March 25, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows mass excavation of the bottom of Section 8.

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Photograph #12



**Date:** March 26, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Continued mass excavation.



**SCS ENGINEERS**

March 28, 2005

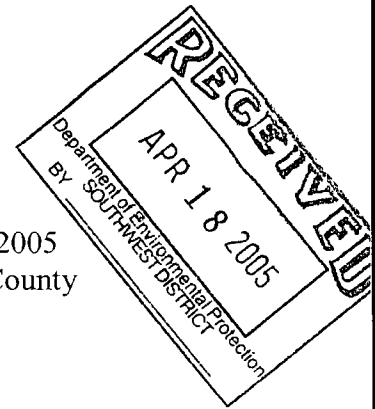
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 9 Week of March 28 through April 3, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. March 28 (Monday) – ERC continuing mass excavation of slopes in Section 8. ERC using new sediment pond for dewatering of Section 8 excavation. ERC proof rolling the bottom of section excavation.
2. March 29 (Tuesday) – Construction Progress Meeting Number 8. ERC continuing their mass excavation of slopes in Section 8 excavation. ERC starting the backfilling of Section 8 excavation.
3. March 30 (Wednesday) – ERC has completed their excavation of slopes in section 8. ERC continuing with their backfilling Section 8 excavation.
4. March 31 (Thursday)- ERC continuing their backfilling of Section 8.
5. April 1 (Friday) – ERC working on grading haul roads. No backfill material being hauled today. Dirt pit will be closed until Monday.
6. April 2 (Saturday) – ERC working on grading haul roads. No backfill material being hauled today.
7. April 3 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.





**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #9 to be held April 5, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: March 29, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
13	Backfill Soil	02220	3-14-05	NE-see Engr	3-18-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: March 29, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
				Note	
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05		
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** March 28, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC working on slope in the northeast corner of Section 8. ERC is also proof rolling bottom of Section 8.

---

Photograph No. 2



**Date:** March 28, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner looking across to the east side of Section 8. ERC excavator working on slopes.



Photograph #3



**Date:** March 29, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC starting backfilling of Section 8 excavation today. Dozer spreading backfill material in 1' lifts.

---

Photograph #4



**Date:** March 29, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** West side of Section 8 at start of backfilling of Section 8.



Photograph #5



**Date:** March 30, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Backfilling material coming into Section 8 from Shelly Lake Mines. Backfill material is being placed in Section 8. ERC is spreading material in 1' lifts and compacting to 95%.

---

Photograph #6



**Date:** March 30, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC is spreading backfill material in Section 8 excavation. Standing in the southwest corner looking to the north across Section 8.



Photograph #7



**Date:** March 31, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner looking to the northeast corner showing ERC spreading out backfill material.

---

Photograph #8



**Date:** March 31, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8 looking to the northwest corner of Section 8. ERC rolling haul road to keep trucks hauling material into Section 8.



Photograph #9



**Date:** March 31, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Pump in the northeast corner of Section 8 where ERC is dewatering the Section 8 excavation.



**SCS ENGINEERS**

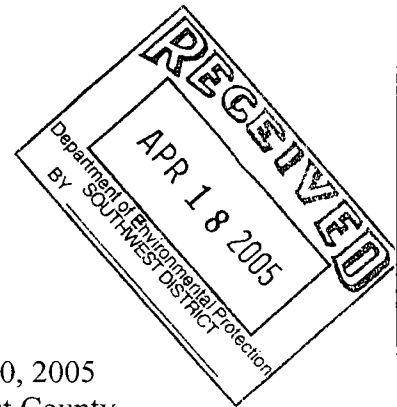
April 4, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 10 Week of April 4 through April 10, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. April 4 (Monday) – ERC using new sediment pond for dewatering of Section 8 excavation. ERC continuing with backfilling of Section 8. Burcaw on site doing compaction testing of Section 8 backfill.
2. April 5 (Tuesday) – Construction Progress Meeting Number 10. ERC continuing backfilling of Section 8 excavation.
3. April 6 (Wednesday) – ERC continuing backfilling of Section 8 excavation. Burcaw on site doing compaction testing of Section 8 backfill.
4. April 7 (Thursday)- ERC continuing backfilling of Section 8. Burcaw on site doing compaction testing of Section 8 backfill.
5. April 8 (Friday) – ERC continuing backfilling of Section 8. Burcaw on site doing compaction testing of Section 8 backfill.
6. April 9 (Saturday) – ERC will be working on grading haul roads and getting job site ready for Monday. Shelly Mines, the sand pit, will be closed today. They will be stockpiling material for Monday.
7. April 10 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.





**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #11 to be held April 12, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log.

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 8, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
13	Backfill Soil	02220	3-14-05	NE-see Engr	3-18-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 8, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
				Note	
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
16	Preliminary Photos	01050-5	4-04-05		
17	Progress Photo	01050-5	4-04-05		
17.1	Progress Photo	01050-5	4-04-05		
17.2	Progress Photo	01050-5	4-04-05		
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05		
18.1	HDPE / Geocomposite Interface Shear Test	02930	4-07-05		
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** April 4, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner looking north. Shows ramp going down into Section 8.

---

Photograph No. 2



**Date:** April 4, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northwest corner of Section 8 looking to the southeast corner. ERC is working on compaction of material being placed in Section 8.



Photograph #3



**Date:** April 4, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of Section 8 looking to the northwest corner. Shows truck coming down the ramp going into Section 8.

Photograph #4



**Date:** April 5, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of Section 8 looking at backfill that has been placed in Section 8.



Photograph #5



**Date:** April 5, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC working on spreading backfill in Section 8 excavation.

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Photograph #6



**Date:** April 6, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC continues backfilling in Section 8 excavation. Shows truck coming into Section 8 excavation.



Photograph #7



**Date:** April 6, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows ERC proof rolling within Section 8 excavation.

Photograph #8



**Date:** April 6, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Northeast corner of Section 8. Shows dewatering pump within rim ditch.



Photograph #9



**Date:** April 7, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC continues to proof roll & backfill Section 8 excavation.

Photograph #10



**Date:** April 7, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the west. Shows ERC dozer spreading material and proof rolling Section 8 excavation.



Photograph #11



**Date:** April 8, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8 looking across to the northwest corner. Shows ERC continuing to backfill Section 8 excavation.

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Photograph #12



**Date:** April 8, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Facing west. ERC continues to backfill Section 8 excavation.



**ATTACHMENT C**  
Construction Progress Meeting Summary Reports





## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: March 15, 2005      Time: 9:15 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 6**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 6. The date was March 15, 2005. The start time was approximately 9:15 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 6  
a. Meeting Summary**

- 1) SCS discussed RFI # 6 concerning the mass excavation of Section 8. SCS has reviewed ERC's request to change working hours during the mass excavation of Section 8 to 7:00 a.m. to 6:00 p.m., 5 days a week and Saturday hours to remain 7:30 a.m. to 5:30 p.m.
- 2) SCS discussed receipt of RFI # 4, regarding modifying the limits of construction in the Section 9 the stockpile area for backfill. SCS stated that they had received an emailed cad file concerning this RFI, and would have a response soon for both this RFI and RFI #4 which also concerns the modification of the limits of construction.
- 3) SCS discussed ERC negotiating with Waste Management to dig the sediment pond deeper. SCS stated that ERC should negotiate directly with Waste Management. SCS also stated they would like to be kept abreast of



any decision. ERC stated they would give Waste Management a price. SCS further stated that they only interest was the time frame of the construction.

- 4) SCS discussed with ERC the procedures for claiming rain delays per contract. SCS stated that this had been discussed at the last progress meeting and was tied to days in the contract and it was outlined in the contract documents.
- 5) SCS discussed collecting soil samples at the Shelly Mines on March 1, 2005 at 3:00 pm. SCS stated that they had received primary results back, but were expecting some additional secondary test results to be forthcoming and they would contact the lab for these results. SCS also stated that a decision would be made after receiving these results. ERC asked if there appeared to be any problems with the results. SCS further stated no problems with the test results were indicated at this time. SCS then stated for clarification that what they had procured and sampled was to be used as backfill; however, submittal # 11 appeared to be more directed as drainage sand or protective cover submittal. SCS stated that it looked good for protective cover as far as the permeability and percent fines were within specification, and only one sieve analysis being out of specification on one sample. SCS asked if ERC was planning on using this material for backfill. ERC offered clarification by stating there were two soil strata, one below the other and one was coarser than the other. ERC stated that they would probably use the same material for both backfill and protective cover. SCS cautioned ERC that if there were two different strata, there would be different proctors and if they planned on using the lower, cleaner strata they would need the appropriate test results. SCS requested a separate submittal for the soils to be used for backfill. ERC indicated that the tri-axial testing required for backfill was more appropriate for cohesive (clayey) soils. SCS concurred but pointed out in Specification Section 02220 that allowances were made for using a direct shear test on non-cohesive (sandy) soils. ERC requested the direct shear testing parameters. SCS indicated that the test parameters would be forwarded to ERC. ERC stated that there were three samples tested and all were meeting specifications with exception of one criterion of the sieve analysis. SCS acknowledge this, and ERC offered a soil sample to SCS for testing.
- 6) SCS gave an update for the 6 geocomposite roll samples that were sent to TRI for conformance testing. SCS further stated that they would provide these results to ERC upon receipt. SCS further discussed the need for interface shear testing of the protective cover sand and the composite as the



last materials testing that would be needed for stored materials payment. A short discussion was held concerning the next pay application as to submitting a draft prior to the 1<sup>st</sup> of April for review by the engineer prior to submitting to the County.

**b. Unfinished business:**

- 1) SCS asked ERC about the status of the low permeability clay borrow source and testing by Burcaw Engineering. ERC indicated that the testing was underway and on going. ERC stated that they still intended use the Mc Intosh borrow and that they would call Burcaw for an update of the status of their analysis.
- 2) ERC requested drawings that show liner and survey elevations for Section 7.
- 3) ERC indicated that all three shear tests per specification were currently being performed for project.

**2. Project Schedule**

**a. Current progress as it relates to the preliminary project schedule**

- 1) SCS acknowledge receipt of an updated project schedule and ERC will continue to perform mass excavation in Section 8 with an approximate completion date of March 23rd. In addition, backfilling will begin on March 18<sup>th</sup>, June 16<sup>th</sup> begin clay, and July 7<sup>th</sup> start liner, according to the schedule presented by ERC during the meeting. SCS then commented that ERC was ahead of schedule by contract. ERC then stated that they would be submitting a request to continue the Saturday work for the task of backfilling and the pit would only be open for 8-hrs. a day on Saturdays. SCS responded that they had the RFI requesting a change for excavation on Saturdays, but not one for backfilling. The County indicated that the entire Section 8 area needed to be covered with 12-inches of sand prior to conducting the Leak Integrity testing. SCS informed ERC that the sand had to be placed over the liner prior to testing (per Section 02776) therefore the schedule events for liner testing and sand placement needed to be modified on the schedule.
- 2) SCS discussed with ERC how effective was the use of the new sedimentation pond for dewatering Section 8. ERC stated that the pond appeared to be keeping up with the dewatering and they had not sustained any real problems with its use. A brief discussion was held concerning the installation of an overflow pipe in case of heavy rains. ERC stated that there



did not appear to be any danger in this happening at this time, but would monitor the need for a pop off.

**b. Progress and work activity projected for the week of 3/14/05 to 3/20/05:**

- 1) ERC will continue with mass excavation of Section 8.
- 2) ERC will continue using the new sediment pond for their dewatering of Section 8.

**c. ERC proposed working hours during this period**

ERC working hours are 7:30 am to 5:30 pm, 6 days a week. RFI Number 6 address extended working hours.

**d. Subcontractors and/or materials expected onsite**

ERC stated the surveyor (Pickett and Associates) would possibly be onsite (pending weather) this week.

**3. Engineers' Hours**

The Engineers' hours are 7:30 am to 5:30 pm, 6 days a week.

**4. Construction Conflicts**

SCS stated that they would give ERC an accounting of the total overtime hours for March and in the future supply a running total for all overtime hour that ERC is responsible for paying as per contract. ERC requested from SCS an hourly rate for overtime. SCS stated that the fee schedule for charging the County had previously been provided in a letter to ERC and the fees as shown on this schedule were based on the contracted fees with the County. ERC asked which rate is being applied for on site inspection. SCS stated they would provide ERC with the budget.

A discussion was held concerning finger size roots being found during excavation and backfilling. SCS has approved leaving finger size roots in place in bottom of Section 8 and start proof rolling and backfilling.

**5. Contractor's Submittals Status**



**a. Shop drawings**

- 1) All submittals that have been submitted are approved to date.
- 2) SCS stated that would like to meet with ERC's to straighten out submittal numbering.
- 3) ERC indicated that they had all the submittals for the project.

**b. RFI's**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 returned to ERC for comment.

SCS stated that they were in possession of RFI 4, 5, 6, and 7 and a reply would be forthcoming. RFI # 8 was returned to ERC. SCS also stated that RFI # 6 working hours probably held the highest priority for being returned back to the contractor. ERC asked if there was any preliminary decision at this time regarding the RFI. SCS responded that there probably would not be a problem with hours, but it was too early in the project to determine the overtime payment issue and would continue to be tracked. ERC requested SCS's budget estimated for the project. SCS to discuss with the County and forward a copy of the budget.

**c. Submittals**

SCS indicated that as soon as the geocomposite conformance results were received from TRI/Environmental they would be forwarded to ERC.

**6. Contractor Issues**

- e. SCS looked at the southwest slope of Section 8 where ERC was having a problem keeping rim ditch open because of slope sliding into ditch. SCS stated that ERC could move rim ditch out from toe of slope to the inside of Section 8 rather than excavating into slope.



## **7. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.

## **8. Engineer's Issues**

ERC is to submit a letter to SCS if the rainfall for the month of March exceeds the contract limits.

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

After sampling has been approved on the geocomposite, ERC may apply for stored materials.

## **9. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

## **10. Other Issues**

On site washing of equipment was discussed. The County stated they would investigate further the restriction against washing down equipment on-site. ERC stated that they were not cleaning equipment engine compartments only washing truck windshields as part of a safety issue. The tracks on equipment needed cleaning due to the build up of the mud and clay is a maintenance problem. ERC also stated that they were not washing oils and greases just built up mud and clay. County stated they would review the issue.



SIGN IN SHEET - PROGRESS MEETING # 6  
DATE: 3/15/05

[illegible]



Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float			
								14	MAR	21
										28
SURVEY	PRE-TOPO SURVEY AND EARTHWORK	1	0	100	27JAN05A	03FEB05A				
CLEARING	CLEAR AND GRUB	3	0	100	31JAN05A	02FEB05A				
DEWTERIN	DEWATERING SYSTEM INSTALLATION	5	0	100	31JAN05A	03FEB05A				
MOB	MOBIZE EQUIPMENT	4	0	100	31JAN05A	07FEB05A				
DRAGLINE	EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS	61	5	92	03FEB05A	21MAR05	24			
STOCKPILE	REMOVAL OF EXCAVATED MATERIALS	61	7	89	03FEB05A	23MAR05	24			
FILL	IMPORT COMPACTED FILL, 5,184 CY/DAY LOOSE	64	64	0	18MAR05	15JUN05	24			
CLAY	CLAY SUB BASE -5 MATERIAL, 500 CY/DAY LOOSE	15	15	0	16JUN05	06JUL05	24			
LINER	HDPE LINER SYSTEM	14	14	0	07JUL05	26JUL05	24			
LINER	LINER TESTING	9	9	0	27JUL05	08AUG05	24			
SAND	IMPORT SAND OVER LINER	8	8	0	09AUG05	18AUG05	24			
TIRES	12" OF TIRE PLACEMENT	6	6	0	19AUG05	26AUG05	24			
DEMOB	DEMOBILIZE EQUIPMENT	1	1	0	29AUG05	29AUG05	24			





**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: March 22, 2005 Time: 9:20 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 7**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**



This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 7. The date was March 22, 2005. The start time was approximately 9:20 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 7**

**a. Meeting Summary**

- 1) ERC discussed completion of mass excavation activities of Section 8 this week.
- 2) ERC will start proofrolling bottom of Section 8 this week pending weather.
- 3) ERC will have topographic survey completed before beginning backfill of Section 8.
- 4) SCS discussed ERC negotiating with Waste Management to dig the sediment pond deeper. SCS stated that ERC should negotiate directly with Waste Management. SCS also stated they would like to be kept abreast of any decision.



March 22, 2005

Page 2

- 5) SCS discussed with ERC the procedures for claiming rain delays per contract. SCS stated that this had been discussed at the last progress meeting and was tied to days in the contract and it was outlined in the contract documents.
- 6) SCS provided ERC with the conformance test results completed by TRI/Environmental of the 6 rolls of geocomposite.
- 7) SCS requested that ERC/SCS/Burclaw meet to establish testing procedures and tracking for the Backfill soil for Section 8.

**b. Unfinished business:**

- 1) ERC received from SCS drawings that show liner and survey elevations for Section 7.
- 2) ERC states all three direct shear tests for the geosynthetic products have been completed and passed project specifications. ERC is waiting on the report from Ardaman and Associates. ERC will be forwarding the information to SCS upon receipt.
- 3) ERC submitted RFI #9.1 to SCS.
- 4) SCS will provide ERC with a response letter on RFI #9.1.

**2. Project Schedule**

**a. Current progress as it relates to the preliminary project schedule**

- 1) SCS acknowledge receipt of an updated project schedule and ERC will continue to perform mass excavation in Section 8 with an approximate completion date of March 25rd.
  - Import of Fill, Proof Rolling to begin on March 22<sup>nd</sup> .
  - Clay test pad to begin on the 24<sup>th</sup> of May.
  - Clay subbase installation to begin on the 16<sup>th</sup> of June.
  - HDPE Liner system to begin on the 7<sup>th</sup> of July.
  - Liner testing to begin on the 8<sup>th</sup> of August.
  - Import of drainage sand to begin on the 27<sup>th</sup> of July.
  - Placement of 12-inches of tires to begin on the 19<sup>th</sup> of August.
  - Demobilization of ERC to begin on the 29<sup>th</sup> of August.



SCS commented that the schedule indicated that the schedule indicates that backfill was to begin on the 22<sup>nd</sup> of March; however, no backfill operations had begun. ERC indicated that backfill will begin the week of 28<sup>th</sup> of March, pending weather.

A copy of the schedule presented during the meeting is attached to this summary.

SCS then commented that ERC was ahead of schedule by contract. ERC then stated that they would be submitting a request to continue the Saturday work for the task of backfilling and the pit would only be open for 8-hrs. a day on Saturdays. SCS responded that they had the RFI requesting a change in working hours for mass excavation on Saturdays, but not one for backfilling. ERC indicated that they were preparing another RFI for extended hours during backfill operations.

- 2) SCS discussed with ERC the use of the new sedimentation pond for dewatering Section 8. ERC stated that the pond appeared to be keeping up with the dewatering and they had not sustained any problems with its use. A brief discussion was held concerning the installation of an overflow pipe in case of heavy rains. ERC stated that there did not appear to be any danger in this happening at this time, but would monitor the need for a pop off.

SCS discussed with ERC whether the water from the sedimentation pond was backflowing into the Waste Management of Incorporated, Florida (WMIF) borrow area. ERC indicated that water had backflowed into the borrow area but that WMIF had not expressed any problems with the water. SCS to follow-up with WMIF.

**b. Progress and work activity projected for the week of 3/22/05 to 3/27/05:**

- 1) ERC will complete mass excavation of Section 8.
- 2) ERC will continue using the new sediment pond for their dewatering of Section 8.
- 3) ERC will do proofrolling of Section 8 and have a topographic survey before beginning backfill of Section 8.



**c. ERC proposed working hours during this period**

ERC working hours are 7:30 am to 5:30 pm, 6 days a week. RFI Number 6 addresses extended working hours.

**d. Subcontractors and/or materials expected onsite**

ERC stated the surveyor (Pickett and Associates) would be on site this week. No other materials or subcontractors were expected this week.

**3. Engineers' Hours**

The Engineers' hours are 7:30 am to 5:30 pm, 6 days a week.

**4. Construction Conflicts**

A discussion was held concerning finger size roots being found during excavation and backfilling. SCS has approved leaving finger size roots in place in bottom of Section 8 and start proof rolling and backfilling.

ERC was given total of all overtime for the QA/QC person to date. A copy of the overtime expense to-date for SCS was provided to ERC.

**5. Contractor's Submittals Status**

**a. Shop drawings**

See the attached submittal log to and up to date listing of submittal reviewed and returned by SCS.

**b. RFI's**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 and 4.1 submitted, approved, and returned to ERC.
- 5) RFI #5 submitted and returned to ERC.
- 6) RFI #6 and 6.1 submitted and returned to ERC. Awaiting comment from ERC.
- 7) RFI #7 submitted, approved, and returned to ERC.
- 8) RFI #8 submitted and returned to ERC. Awaiting comment from ERC.
- 9) RFI #9 submitted and returned to ERC.



9.1) RFI #9.1 was submitted.

SCS will give ERC a response letter on RFI #9.1 this week.  
See the attached RFI log.

**c. Submittals**

See the attached submittal log to and up to date listing of submittal reviewed and returned by SCS. SCS commented that some major submittals have had no information submitted to SCS to date, specifically geomembrane, clay, leachate collection rock, and pipe. ERC indicated that they are preparing the submittals.

**6. Contractor Issues**

None at this time. Per last week's construction meeting, ERC had requested a copy of SCS's budget for providing the County with construction oversight during Section 8 construction. SCS provided ERC with a copy of SCS's budget for Section 8. See the attached copy of the budget information provided to ERC.

**7. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County requested that ERC collect load tickets (backfill) at the scalehouse. ERC indicated that this would not be the preferred location and ERC requested that the collection of the load tickets occur outside of the Section 8 limits.
- c. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.

**8. Engineer's Issues**

ERC is to submit a letter to SCS if the rainfall for the month of March exceeds the contract limits.

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.



After conformance sampling and direct shear test results has been approved on the geocomposite, ERC may charge for stored materials.

## **9. Site Safety and Housekeeping**

### **ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

## **10. Other Issues**

On site washing of equipment was discussed. The County stated they would investigate further the ban against washing down equipment on-site. ERC stated that they were not cleaning equipment engine compartments. ERC also stated that they were not washing oils and greases just built up mud and clay. The County stated they are still in the process of reviewing the issue.







## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: March 18, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
13	Backfill Soil	02220	3-14-05	NE-see Engr	3-18-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: March 18, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
				Note	
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## Request for Information LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: March 18, 2005

RFI Number	Description of RFI	Date Submitted	Date Returned	Comment
1	Request for Addition Work Days	1-26-05 2-2-05	1-31-05 2-4-05	ERC approved to work Sat 7:30 to 5:30 during Mass Excavation only
2	Interface Shear Testing	2-7-05	2-11-05	Returned – not applicable to this project
3	Request of 24-hr/7day per week access to dewatering pumps	2-15-05	2-21-05	Approved for maint. of pumps only
4 & 4.1	Change in Limits of Construction	2-22-05 3-1-05	3-15-05	Approved – refer to drawing
5	Topsoil requirements	2-22-05	3-15-05	ERC to test soils for nutrients; comply with maint. of grass
6 & 6.1	Request for Additional Work Hour Mon – Sat 7:00 a.m. to 6:00 p.m.	2-22-05 3-1-05	3-15-05	Approved if ERC pays for overtime
7	Sticks in Backfill	3-8-05	3-15-05	Amended Section 02220
8	Use of GCL	3-10-05	3-11-05	Approved is ERC pays for Engr, testing, etc
9	Request for Tri-axial testing waiver for Backfill	3-16-05	3-18-05	Testing Parameters supplied to ERC



## **Detail of Overtime Expenditures**

Capacity Expansion Section 8 - Bid No. C-299-04(MK)

Southeast County Landfill

Hillborough County, Florida

F:/projects/hillsborough/09200020.35/Section 8/construction/overtime.xls

### **Summary**

Date	Day	Subtotal (hrs)	Subtotal (\$)
12-Feb-04	Saturday	7.5	0
19-Feb-04	Saturday	9.5	807.5
26-Feb-04	Saturday	10	900
5-Mar-04	Saturday	2	0
12-Mar-04	Saturday	4	340
19-Mar-04	Saturday		0
Total			2047.5



**Detail of Overtime Expenditures**

Capacity Expansion Section 8 - Bid No. C-299-04(MK)

Southeast County Landfill

Hillborough County, Florida

**Date:** 12-Feb-04 Saturday

Name	Title	Time In (am)	Time Out (pm)	Total (hrs)	Rate (\$/hr)	Subtotal (\$)	Indirects (\$)	Total (\$)	Comment
Joseph O'Neill SCS Engineers	Project Manager			7.5	0	0	0	0	Observe Mass Excavation No charges applied against ERC
715 430							subtotal	0	

**Date:** 19-Feb-04 Saturday

Name	Title	Time In (am)	Time Out (pm)	Total (hrs)	Rate (\$/hr)	Subtotal (\$)	Indirects (\$)	Total (\$)	Comment
Kurk Peterson SCS Engineers		0	0	9.5	85	807.5	0	807.5	Observe Mass Excavation
715							subtotal	807.5	

**Date:** 26-Feb-04 Saturday

Name	Title	Time In (am)	Time Out (pm)	Total (hrs)	Rate (\$/hr)	Subtotal (\$)	Indirects (\$)	Total (\$)	Comment
Dennis Adams SCS Engineers	Sr. Superintendent	0	0	10	90	900	0	900	Observed Mass Excavation
							subtotal	900	

**Date:** 5-Mar-04 Saturday

Name	Title	Time In (am)	Time Out (pm)	Total (hrs)	Rate (\$/hr)	Subtotal (\$)	Indirects (\$)	Total (\$)	Comment
Kurk Peterson SCS Engineers		0	0	2	85	170	0	170	Observed Condition of Site after rainfall No charges applied against ERC
							subtotal	170	

**Date:** 12-Mar-04 Saturday

Name	Title	Time In (am)	Time Out (pm)	Total (hrs)	Rate (\$/hr)	Subtotal (\$)	Indirects (\$)	Total (\$)	Comment
Kurk Peterson SCS Engineers		0	0	4	85	340	0	340	Observed Mass Excavation Only 1/2 day charged to ERC
							subtotal	340	

**Date:** 19-Mar-04 Saturday

Name	Title	Time In (am)	Time Out (pm)	Total (hrs)	Rate (\$/hr)	Subtotal (\$)	Indirects (\$)	Total (\$)	Comment
SCS Engineers						0	0	0	Observed Condition of Site after rainfall
							subtotal	0	



**ATTACHMENT B. COMPENSATION**  
**ENGINEERING SERVICES FOR THE SOLID WASTE MANAGEMENT SYSTEM**  
**ACTIVE AND PROPOSED LANDFILLS - HILLSBOROUGH COUNTY, FLORIDA**  
**FISCAL YEAR 2004 - 2005**

Personnel	1.1	1.2	2.1	3.1	3.2	3.3	4.1	4.2	5.1	Total (hours)	Rate (\$)	Total (\$)
Office Director/Principal						80				80	140	11,200
Project Director/Associate						80				80	120	9,600
Senior Project Manager						0				0	115	0
Project Manager						320				320	110	35,200
Senior Project Professional						160				160	95	15,200
Senior Superintendent						0				0	90	0
Project Professional						120				120	85	10,200
O&M Superintendent						0				0	75	0
Designer						80				80	75	6,000
Staff Professional						80				80	70	5,600
Senior Technician						1,620				1,620	70	113,400
Associate Staff Professional						0				0	65	0
Draftsperson						50				50	65	3,250
Technician						400				400	46	18,400
Office Service Manager						40				40	50	2,000
Secretarial/Clerical						120				120	38	4,560
<b>Subtotal Labor (hours)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,150</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,150</b>		
<b>Subtotal Labor (\$)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>234,610</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>234,610</b>
Reimbursables	0	0	0	0	0	65,390	0	0	0			65,390
G&A, 0 percent reimbursables	0	0	0	0	0	0	0	0	0			0
<b>Estimated Total (\$)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>300,000</b>

Phase Key:

- 1 - Southeast County Facility
- 2 - Leachate Management Program
- 3 - Site A Landfill Capacity Expansion
- 4 - Leachate Supplemental Treatment
- 5 - Capacity Expansion Section 9



**ATTACHMENT B (continued). COMPENSATION**  
**ENGINEERING SERVICES FOR THE SOLID WASTE MANAGEMENT SYSTEM**  
**ACTIVE AND PROPOSED LANDFILLS - HILLSBOROUGH COUNTY, FLORIDA**  
**FISCAL YEAR 2004 - 2005**

Reimbursables	Unit Cost (\$)	Unit	Cost (\$)								
			1.1	1.2	2.1	3.1	3.2	3.3	4.1	4.2	5.1
Subconsultants	1	t&m	0	0	0	0	0	15,640	0	0	0
Subcontractors/Drillers	1	t&m	0	0	0	0	0	0	0	0	0
Outside Lbr/Temp Svcs	1	t&m	0	0	0	0	0	0	0	0	0
Laboratory Services	1	t&m	0	0	0	0	0	20,000	0	0	0
Vehicle Mileage (Auto)	0.25	mile	0	0	0	0	0	0	0	0	0
Vehicle Mileage (Truck)	0.50	mile	0	0	0	0	0	0	0	0	0
Rental Car	50	day	0	0	0	0	0	0	0	0	0
Truck	50	day	0	0	0	0	0	21,250	0	0	0
Parking & Tolls	1	ls	0	0	0	0	0	0	0	0	0
Air Fare	1	trip	0	0	0	0	0	0	0	0	0
Meal Per Diem	21	day	0	0	0	0	0	0	0	0	0
Lodging, Hotel	60	day	0	0	0	0	0	0	0	0	0
Telephone Calls	5	each	0	0	0	0	0	3,000	0	0	0
Faxes	6	each	0	0	0	0	0	0	0	0	0
Postage & Freight	1	ls	0	0	0	0	0	1,600	0	0	0
Reproduction (Xerox)	0.10	each	0	0	0	0	0	1,000	0	0	0
Reproduction (Graphics)	3	each	0	0	0	0	0	300	0	0	0
Equipment/Supplies	1	ls	0	0	0	0	0	0	0	0	0
Draeger Tubes	5	each	0	0	0	0	0	0	0	0	0
Gas Meters	50	day	0	0	0	0	0	0	0	0	0
Equipment Rental	1	ls	0	0	0	0	0	0	0	0	0
Computer (Word Process)	5	hour	0	0	0	0	0	0	0	0	0
Computer (CADD)	20	hour	0	0	0	0	0	2,600	0	0	0
Licenses/Permits	400	ls	0	0	0	0	0	0	0	0	0
<b>Reimbursables Estimated Total (\$)</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>65,390</b>	<b>0</b>	<b>0</b>	<b>0</b>

Phase Key:

- 1 - Southeast County Facility
- 2 - Leachate Management Program
- 3 - Site A Landfill Capacity Expansion
- 4 - Leachate Supplemental Treatment
- 5 - Capacity Expansion Section 9



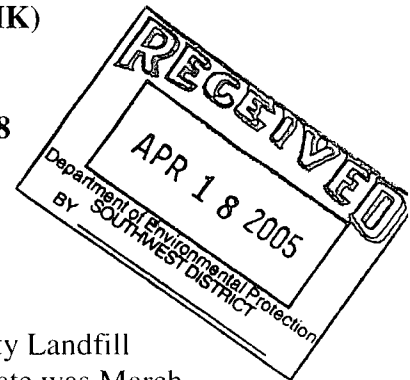
## SCS ENGINEERS

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: March 29, 2005 Time: 9:05 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 8**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**



This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 8. The date was March 29, 2005. The start time was approximately 9:05 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 8  
a. Meeting Summary**

- 1) ERC indicated that mass excavation would of Section 8 would be complete this week.
- 2) ERC indicated that proof-rolling of the eastern half of the bottom (EL119) of Section 8 would be would be completed on or by March 28.
- 3) ERC will be completing the topographic survey of Section 8 excavation on or by March 30.
- 4) SCS inquired about the status of the proposal ERC provided to WMI regarding excavating the new sediment pond north of Section 8 deeper. ERC indicated that they would provide a status up-date on the proposal.
- 5) SCS, ERC, and Burcaw discussed soil testing tracking procedures.



- 6) SCS indicated that they had received the letter from ERC requesting rain day extensions. SCS indicated that they would provide a response letter to ERC on their request for rain day delays on project.
- 7) ERC stated that backfilling of Section 8 had begun on March 29. SCS and ERC to meet following the meeting to observe the backfill operation and compaction.
- 8) ERC indicated that the west sideslope of the excavation was being graded; however, water was coming out of the sideslopes and washing that slopes away in some locations. The slope will be re-graded to stabilize the slopes and the sediment will be removed from the rim ditch.

**b. Unfinished business:**

- 1) ERC indicated that the clay testing from the US301 and McIntosh borrow source should be finished next week.
- 2) ERC states all three shear tests have passed for project. ERC will be forwarding information to SCS.
- 3) ERC submitted RFI #10. SCS indicated that they would prepare a response letter this week.

**2. Project Schedule**

**a. Current progress as it relates to the preliminary project schedule**

- 1) Mass excavation of Section 8 will be completed March 29.
- 2) ERC will start backfilling in Section 8 March 29.
- 3) Clay test pad and testing will be completed June 15.
- 4) Clay sub base 8 material will be completed July 13.
- 5) HDPE liner system will be completed August 2.
- 6) Import sand over liner will be completed August 12.
- 7) Liner testing will be completed August 25.
- 8) Tire placement will be completed September 2.
- 9) Demobilize equipment will be completed September 5.

**b. Progress and work activity projected for the week of 3/29/05 to 4/03/05:**

- 1) ERC will complete mass excavation of Section 8 on March 29.



2) ERC will continue using the new sediment pond for their dewatering of Section 8.

3) ERC will start backfill and compaction operations of Section 8.

**c. ERC proposed working hours during this period**

ERC working hours are 7:30 am to 5:30 pm, 5 days a week. ERC will need to do RFI to change working hours for this period.

**d. Subcontractors and/or materials expected onsite**

ERC stated the surveyor (Pickett and Associates) would be on site Wednesday, March 30.

Mega Force is on-site hauling backfill material for Section 8.

Burcaw will be on-site doing compaction testing on backfill.

**3. Engineers' Hours**

The Engineers' hours are 7:30 am to 5:30 pm, 5 days a week.

ERC needs to do RFI to change working hours for this period.

**4. Construction Conflicts**

ERC was given total of all overtime for the QA/QC person to date.

ERC said that they received the total and were reviewing the total to date.

**5. Contractor's Submittals Status**

**a. Shop drawings**

1) See submittal log.

**b. RFI's**

1) RFI #1 approved.

2) RFI #2, SCS has no comment on this RFI.

3) RFI #3 approved.

4) RFI #4 submitted.



- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 submitted.
- 9) RFI #9 submitted.
  - 9.1) RFI #9.1 was submitted. SCS awaiting a response from ERC
- 10) RFI #10 submitted. SCS will give ERC a response letter this week.

**c. Submittals**

See submittal log. SCS indicated that the only submittal left to return to ERC was submittal number 15 (excavation survey).

**6. Contractor Issues**

None at this time.

**7. County Issues**

- a. SCS reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County indicated that they were still looking into the site restrictions for vehicle washing on the site.
- c. SCS reminded ERC that all incoming trucks will be tarped and that they must obey all traffic signs.
- d. SCS indicated that WMI had requested that ERC excavate a ditch to drain an area located northwest of ERC's laydown area. This area was collecting and ponding water. ERC indicated that they would excavate the ditch and coordinate with WMI.

**8. Engineer's Issues**

SCS indicated that they were reviewing the ERC letter regarding rain delays for the month of March.

SCS reminded ERC they need to monitor personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.



After sampling results had been reviewed and approved by SCS on the geocomposite, ERC may charge for stored materials. SCS indicated that they had not received the interface shear test results for the project to date. ERC indicated that they would coordinate with Ardaman and get the test results.

## **9. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC indicated that LFG H&S monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

## **10. Other Issues**

On site washing of equipment was discussed. The County stated they would investigate further the ban against washing down equipment on-site. ERC stated that they were not cleaning equipment engine compartments only washing truck windshields as part of a safety issue. The tracks on equipment needed cleaning due to the build up of the mud and clay is a maintenance problem. ERC also stated that they were not washing oils and greases just built up mud and clay. SCS and the County stated they would review the issue.



**SIGN IN SHEET - PROGRESS MEETING # 8**  
**DATE: 3/29/05**

[illegible]



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: March 29, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
13	Backfill Soil	02220	3-14-05	NE-see Engr	3-18-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: March 29, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
				Note	
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05		
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## Request for Information LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: March 29, 2005

RFI Number	Description of RFI	Date Submitted	Date Returned	Comment
1	Request for Addition Work Days	1-26-05 2-2-05	1-31-05 2-4-05	ERC approved to work Sat 7:30 to 5:30 during Mass Excavation only
2	Interface Shear Testing	2-7-05	2-11-05	Returned – not applicable to this project
3	Request of 24-hr/7day per week access to dewatering pumps	2-15-05	2-21-05	Approved for maint. of pumps only
4 & 4.1	Change in Limits of Construction	2-22-05 3-1-05	3-15-05	Approved – refer to drawing
5	Topsoil requirements	2-22-05	3-15-05	ERC to test soils for nutrients; comply with maint. of grass
6 & 6.1	Request for Additional Work Hour Mon – Sat 7:00 a.m. to 6:00 p.m.	2-22-05 3-1-05	3-15-05	Approved if ERC pays for overtime
7	Sticks in Backfill	3-8-05	3-15-05	Amended Section 02220
8	Use of GCL	3-10-05	3-11-05	Approved is ERC pays for Engr, testing, etc
9	Request for Tri-axial testing waiver for Backfill	3-16-05	3-18-05	Testing Parameters supplied to ERC
9.1	Request for Tri-axial / Direct Shear Test waiver	3-22-05	3-25-05	Revised Testing Requirements
10	Settlement on sideslopes	3-28-05		



## SCS ENGINEERS

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: April 05 2005 Time: 9:25 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 9**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 9. The date was April 5, 2005. The start time was approximately 9:25 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.



**1. Progress Meeting No. 9  
a. Meeting Summary**

- 1) ERC/Pickett collecting topographic survey of Section 8 excavation on April 5.
- 2) ERC submitted new price proposal to excavate sediment pond clay material and add sand to bottom sediment pond. SCS/County to review proposal.
- 3) ERC/Burcaw discussed soil testing tracking procedures for Section 8.
- 4) ERC began backfilling of Section 8 on March 29.
- 5) County discussed status of first pay request with ERC.



April 5, 2005

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- 6) ERC to provide SCS with an update on HDPE production. Per specification, conformance samples to be collected at the GSE plant prior to delivery.
- 7) County provided ERC update on second pay application.

**b. Unfinished business:**

- 1) ERC indicated that clay testing from borrow source should be finished next week.
- 2) ERC stated all three shear tests had been completed and passed the project specifications. ERC will be forwarding information to SCS. Only one direct shear (sand/geocomposite) test forwarded to date.
- 3) ERC submitted RFI #9.1 to SCS.
- 4) SCS indicated that they would provide ERC with a response letter on RFI #9.1.
- 5) ERC submitted RFI #10. SCS indicated that they would provide a response letter this week.
- 6) ERC submitted RFI #11. SCS indicated that they would provide a response letter this week.

**2. Project Schedule (See attached copy of the submitted schedule)**

**a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will start backfilling in Section 8 March 24. Actual backfill started on March 29, 2005.
- 2) Clay test pad and testing will be completed June 9.
- 3) Clay sub base 8 material will be completed July 4.
- 4) HDPE liner system will be completed July 22
- 5) Import sand over liner will be completed August 3.
- 6) Liner testing will be completed August 16.
- 7) Tire placement will be completed August 24.
- 8) Demobilize equipment will be completed August 25.



ERC indicated that the schedule was based upon 18 trucks (18 cubic yards) making 13 trips, minimum, per day for the entire duration of the backfill operations. The following is a brief summary provided by ERC of trucks counts to-date;

- March 29 Tuesday – 10 trucks
- March 30 Wednesday – 19 trucks
- March 1 Thursday – 10 trucks
- April 1 Friday – 0 trucks; Pit closed to stockpile soil
- April 2 Saturday – 0 trucks; Pit closed to stockpile soil
- April 3 Sunday – No work
- April 4 Monday – 11 trucks
- April 5 Tuesday – 8 trucks

ERC to coordinate with Shelly Lakes Mine and MegaForce to load and provide more trucks to meet schedule.

**b. Progress and work activity projected for the week of 4/04/05 to 4/10/05:**

- 1) ERC will continue using the new sediment pond for their dewatering of Section 8.
- 2) ERC will continue with backfill of Section 8.
- 3) ERC will have Pickett and Associates on-site to collect additional topographic survey information for the record drawings in Section 8.
- 4) ERC informed SCS that Pickett will also collect several survey shots of the top of geomembrane along the northside of Section 7.
- 5) ERC will continue to grade and dress-up the stockpile area.
- 6) ERC will excavate a ditch to drain stormwater that had collected west of the ERC laydown area at the request of WMI. ERC informed SCS and the County that they are in contact daily with WMI to insure no conflicts are arising. SCS and the County have not been informed of any conflicts to-date from WMI.

**c. ERC proposed working hours during this period**

ERC working hours are 7:30 am to 5:30 pm, 5 days a week. SCS indicated that



April 5, 2005

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they would provide ERC with response to RFI No 11. Until response is submitted to ERC and comments received no additional hours were authorized.

**d. Subcontractors and/or materials expected onsite**

ERC stated the surveyor (Pickett and Associates) would be on site Tuesday, April 5.

Mega Force is on-site hauling backfill material for Section 8.

Burcaw on site conducting compaction testing on backfill.

**3. Engineers' Hours**

The Engineers' hours are 7:30 am to 5:30 pm, 5 days a week. SCS indicated that they would provide ERC with response to RFI No 11. Until response is submitted to ERC and comments received no additional hours were authorized.

**4. Construction Conflicts**

ERC was given total of all overtime for the QA/QC person to date. ERC indicated they they were reviewing total.

**5. Contractor's Submittals Status**

**a. Shop drawings**

- 1) See attached submittal log.

**b. RFI's (See attached RFI log)**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 submitted.
- 9) RFI #9 submitted.



- 9.1) RFI #9.1 was submitted. SCS will give ERC a response letter on RFI #9.1 this week.
- 10) RFI #10 submitted. SCS will give ERC a response letter this week.
- 11) RFI #11 submitted. SCS will give ERC a response letter this week.

**c. Submittals**

See attached submittal log.

**6. Contractor Issues**

ERC inquired into the status of Pay Application No 1. SCS indicated that they had been in contact with the County (Patty Berry with SWMD) and she indicated that the check had been processed and mailed to ERC.

ERC indicated also that they had filed paper work with the County that will allow them to pick up future checks at the County building directly instead of mailing.

ERC inquired into the status of Pay Application No. 2. SCS indicated that they had completed they review of the application and will go over the payment application after the meeting. ERC indicated that they were available for any questions.

ERC asked if the County would like to purchase materials directly for the project thus saving the sales tax on items. The County informed ERC that ERC should purchase the items and the sale tax should be in the bids. ERC indicated that they were only trying to save the County money be not having to pay sales tax on items.

ERC submitted a revised proposal on modifying the new sedimentation basin. ERC indicated that they needed a response this week because one of the trackhoes was finished and the rental company was going to be out this week to retrieve the equipment. SCS indicated that they would coordinate with the County and provide an answer on the proposal.

**7. County Issues**

- a. The County was reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.



April 5, 2005

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- c. County informed ERC that engine compartments on equipment could not be washed on site. Only washing of soils from the vehicles would be allowed on-site. All water from washing equipment must be monitored for oil and fuel.

## **8. Engineer's Issues**

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

Regarding the hardpan-No rock larger than 1" in diameter can be placed in backfill material in Section 8.

## **9. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC indicated that monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

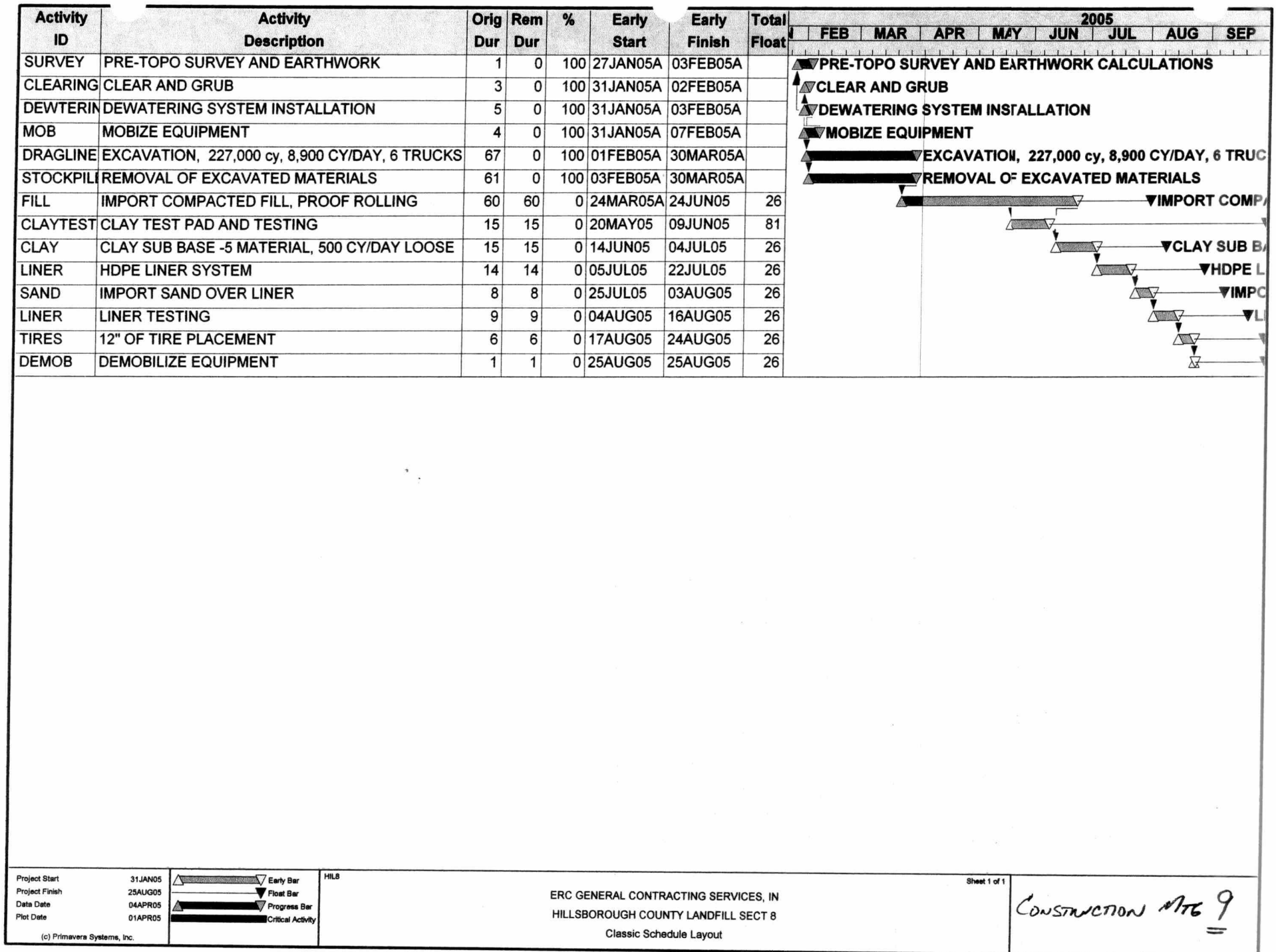
## **10. Other Issues**

None at this time.



[illegible]







## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 5, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
13	Backfill Soil	02220	3-14-05	NE-see Engr	3-18-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: April 5, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
				Note	
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## Request for Information LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 5, 2005

RFI Number	Description of RFI	Date Submitted	Date Returned	Comment
1	Request for Addition Work Days	1-26-05 2-2-05	1-31-05 2-4-05	ERC approved to work Sat 7:30 to 5:30 during Mass Excavation only
2	Interface Shear Testing	2-7-05	2-11-05	Returned – not applicable to this project
3	Request of 24-hr/7day per week access to dewatering pumps	2-15-05	2-21-05	Approved for maint. of pumps only
4 & 4.1	Change in Limits of Construction	2-22-05 3-1-05	3-15-05	Approved – refer to drawing
5	Topsoil requirements	2-22-05	3-15-05	ERC to test soils for nutrients; comply with maint. of grass
6 & 6.1	Request for Additional Work Hour Mon – Sat 7:00 a.m. to 6:00 p.m.	2-22-05 3-1-05	3-15-05	Approved if ERC pays for overtime
7	Sticks in Backfill	3-8-05	3-15-05	Amended Section 02220
8	Use of GCL	3-10-05	3-11-05	Approved is ERC pays for Engr, testing, etc.
9	Request for Tri-axial testing waiver for Backfill	3-16-05	3-18-05	Testing Parameters supplied to ERC
9.1	Request for Tri-axial / Direct Shear Test waiver	3-22-05	3-25-05	Revised Testing Requirements
10	Settlement on sideslopes	3-28-05		
11	Extended working Hours	3-29-05 4-4-05		

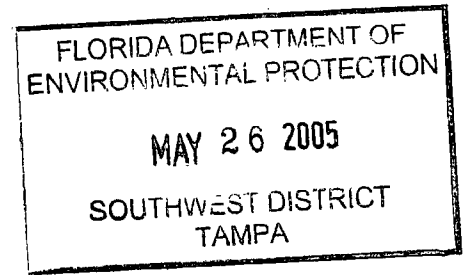


**SCS ENGINEERS**

May 26, 2005  
File No. 09200020.35

Ms. Susan J. Pelz, P.E.  
Florida Department of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Subject: Monthly Update – April 16, 2005 to May 15, 2005  
Southeast County Landfill, Hillsborough County  
Capacity Expansion Section 8 Construction  
Permit Number 35435-009-SC



Dear Ms Pelz:

On behalf of the Hillsborough County Solid Waste Management Department (County), SCS Engineers (SCS) is submitting the attached monthly summary of the construction activities for April 16, 2005 to May 15, 2005 conducted for the above referenced project.

**Summary of Activities**

**Project Overview**

- Notice-to-Proceed for the project was established as January 31, 2005.
- Substantial Completion of the project was established as September 2, 2005.
- Final Completion of the project was established as October 2, 2005.

**Projected Schedule (Refer ERC's project schedule contained in Attachment A)**

- Mass Excavation of Material was completed on March 30, 2005.
- Backfill and compaction of general fill was scheduled to begin on March 24. Backfilling of Section 8 began on March 29, 2005. Backfill scheduled to be completed by June 21, 2005.
- Placement of subbase soils scheduled to begin about June 17, 2005.
- Placement of Geosynthetic materials scheduled to begin about July 12, 2005.
- Placement of protective cover soils scheduled to begin about August 3, 2005.





Ms Susan J. Pelz, P.E.  
Monthly Update – April 16, 2005 to May 15, 2005  
May 26, 2005  
Page 2

- Leak integrity testing of the bottom liner system scheduled to begin about August 15, 2005.
- Placement of tire chips scheduled to begin about August 26, 2005.
- ERC scheduled to demobilize by September 5, 2005.

Please refer to the Weekly Summary Reports, contained in Attachment B, for a daily listing of activities, submittal logs, and representative construction photographs.

As of May 16, 2005 the following activities were occurring:

- ERC continuing backfilling and proof rolling the Backfill soils in the Section 8 capacity expansion area.
- Faulkner Engineering Services, Inc. completed compaction testing of lifts 1-5 of Section 8 backfill. (Burcaw Engineering will complete the remaining compaction of Section 8).
- ERC is continuing using new sediment pond for dewatering of Section 8.
- Burcaw Engineering was on site taking compaction tests on lift #6 in the Section 8 capacity expansion area.

#### **Summary of Submittals/Change Orders**

Attached to the Weekly Summary Reports, contained in Attachment B, is a list of submittals reviewed to-date by SCS for the project.

No major changes to the project permit specifications or drawings to report this period.

#### **Construction Progress Meeting Summary Reports**

Attachment C contains summary reports for the following Construction Progress Meetings;

Construction Progress Meeting Number 10 –April 5, 2005  
Construction Progress Meeting Number 11 –April 12, 2005  
Construction Progress Meeting Number 12 –April 19, 2005  
Construction Progress Meeting Number 13 –April 26, 2005  
Construction Progress Meeting Number 14 –May 3, 2005  
Construction Progress Meeting Number 15 –May 10, 2005



Ms Susan J. Pelz, P.E.  
Monthly Update – April 16, 2005 to May 15, 2005  
May 26, 2005  
Page 3

### **Photographs**

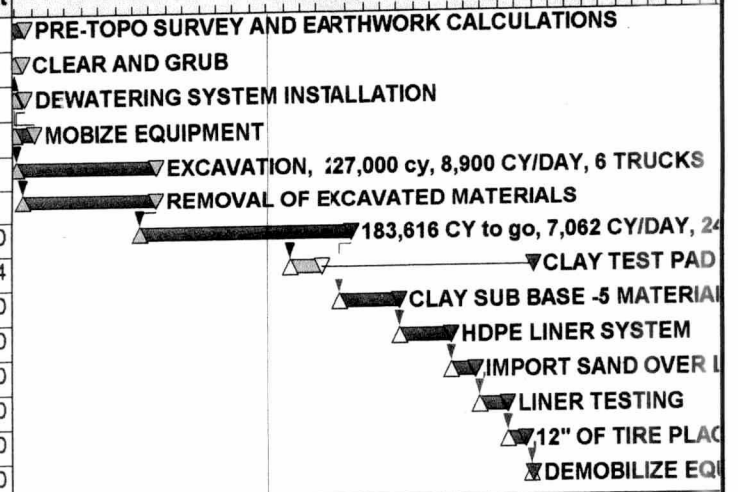
Photographs that are representative of the construction activities conducted during this report period are shown in the Weekly Summary Reports contained in Attachment B.



**ATTACHMENT A**  
Construction Progress Schedule



Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float	2005											
								FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
SURVEY	PRE-TOPO SURVEY AND EARTHWORK	1	0	100	27JAN05A	03FEB05A													
CLEARING	CLEAR AND GRUB	3	0	100	31JAN05A	02FEB05A													
DEWATERIN	DEWATERING SYSTEM INSTALLATION	5	0	100	31JAN05A	03FEB05A													
MOB	MOBIZE EQUIPMENT	4	0	100	31JAN05A	07FEB05A													
DRAGLINE	EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS	67	0	100	01FEB05A	30MAR05A													
STOCKPILE	REMOVAL OF EXCAVATED MATERIALS	61	0	100	03FEB05A	30MAR05A													
FILL	183,616 CY to go, 7,062 CY/DAY, 24 TK'S@15 LD/DY	89	26	71	24MAR05A	21JUN05	0												
CLAYTEST	CLAY TEST PAD AND TESTING	9	9	0	26MAY05	07JUN05	64												
CLAY	CLAY SUB BASE -5 MATERIAL, 500 CY/DAY LOOSE	17	17	0	17JUN05	11JUL05	0												
LINER	HDPE LINER SYSTEM	16	16	0	12JUL05	02AUG05	0												
SAND	IMPORT SAND OVER LINER	8	8	0	03AUG05	12AUG05	0												
LINER	LINER TESTING	9	9	0	15AUG05	25AUG05	0												
TIRES	12" OF TIRE PLACEMENT	6	6	0	26AUG05	02SEP05	0												
DEMOB	DEMobilize EQUIPMENT	1	1	0	05SEP05	05SEP05	0												



Project Start 31JAN05  
 Project Finish 05SEP05  
 Data Date 17MAY05  
 Plot Date 17MAY05

HLS

ERC GENERAL CONTRACTING SERVICES, IN  
 HILLSBOROUGH COUNTY LANDFILL SECT 8  
 Classic Schedule Layout

Sheet 1 of 1

Construction Progress  
 MEETING No 15.



**ATTACHMENT B**  
Weekly Summary Reports



**SCS ENGINEERS**

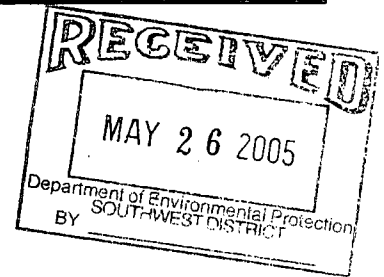
April 4, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers *JHO*

**SUBJECT:** Week Progress Report No. 10 Week of April 4 through April 10, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. April 4 (Monday) – ERC using new sediment pond for dewatering of Section 8 excavation. ERC continuing with backfilling of Section 8. Burcaw on site doing compaction testing of Section 8 backfill.
2. April 5 (Tuesday) – Construction Progress Meeting Number 10. ERC continuing backfilling of Section 8 excavation.
3. April 6 (Wednesday) – ERC continuing backfilling of Section 8 excavation. Burcaw on site doing compaction testing of Section 8 backfill.
4. April 7 (Thursday) – ERC continuing backfilling of Section 8. Burcaw on site doing compaction testing of Section 8 backfill.
5. April 8 (Friday) – ERC continuing backfilling of Section 8. Burcaw on site doing compaction testing of Section 8 backfill.
6. April 9 (Saturday) – ERC will be working on grading haul roads and getting job site ready for Monday. Shelly Mines, the sand pit, will be closed today. They will be stockpiling material for Monday.
7. April 10 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.





**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #11 to be held April 12, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log.

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 5, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: April 5, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
16	Preliminary Photos	01050-5	4-04-05		
17	Progress Photo	01050-5	4-04-05		
17.1	Progress Photo	01050-5	4-04-05		
17.2	Progress Photo	01050-5	4-04-05		
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** April 4, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the southwest corner looking north. Shows ramp going down into Section 8.

---

Photograph No. 2



**Date:** April 4, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the northwest corner of Section 8 looking to the southeast corner. ERC is working on compaction of material being placed in Section 8.



Photograph #3



**Date:** April 4, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of Section 8 looking to the northwest corner. Shows truck coming down the ramp going into Section 8.

Photograph #4



**Date:** April 5, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of Section 8 looking at backfill that has been placed in Section 8.



Photograph #5



**Date:** April 5, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC working on spreading backfill in Section 8 excavation.

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Photograph #6



**Date:** April 6, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC continues backfilling in Section 8 excavation. Shows truck coming into Section 8 excavation.



Photograph #7



**Date:** April 6, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows ERC proof rolling within Section 8 excavation.

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Photograph #8



**Date:** April 6, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Northeast corner of Section 8. Shows dewatering pump within rim ditch.



Photograph #9



**Date:** April 7, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC continues to proof roll & backfill Section 8 excavation.

---

Photograph #10



**Date:** April 7, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the west. Shows ERC dozer spreading material and proof rolling Section 8 excavation.



Photograph #11



**Date:** April 8, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8 looking across to the northwest corner. Shows ERC continuing to backfill Section 8 excavation.

---

Photograph #12



**Date:** April 8, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Facing west. ERC continues to backfill Section 8 excavation.



**SCS ENGINEERS**

April 11 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers *JHD*

**SUBJECT:** Week Progress Report No. 11 Week of April 11 through April 17, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. April 11 (Monday) – ERC using new sediment pond for dewatering of Section 8 excavation. ERC continuing with backfilling of Section 8. Faulkner Engineering Services, Inc. is on site doing compaction testing of Section 8 backfill.
2. April 12 (Tuesday) – Construction Progress Meeting Number 11. ERC continuing backfilling of Section 8 excavation.
3. April 13 (Wednesday) – ERC continuing backfilling of Section 8 excavation. Faulkner Engineering Services, Inc. is on site doing compaction testing of Section 8 backfill.
4. April 14 (Thursday)- ERC continuing backfilling of Section 8. Faulkner Engineering Services, Inc. is on site doing compaction testing of Section 8 backfill.
5. April 15 (Friday) – ERC continuing backfilling of Section 8. Faulkner Engineering Services, Inc. is on site doing compaction testing of Section 8 backfill.
6. April 16 (Saturday) – ERC continuing backfilling of Section 8.
7. April 17 (Sunday) – No work completed.

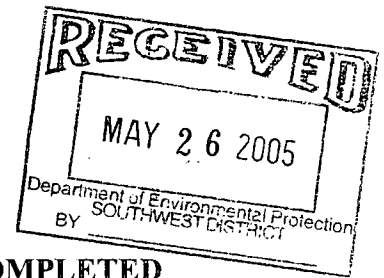
**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.





Memorandum to Larry E. Ruiz  
Weekly Summary – Week of April 11 through April 17, 2005  
Page 2



**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #12 to be held April 19, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 12, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 12, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
16	Preliminary Photos	01050-5	4-04-05		
17	Progress Photo	01050-5	4-04-05		
17.1	Progress Photo	01050-5	4-04-05		
17.2	Progress Photo	01050-5	4-04-05		
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05		
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05		
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05		
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05		
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



## **CONSTRUCTION PHOTOGRAPHS**



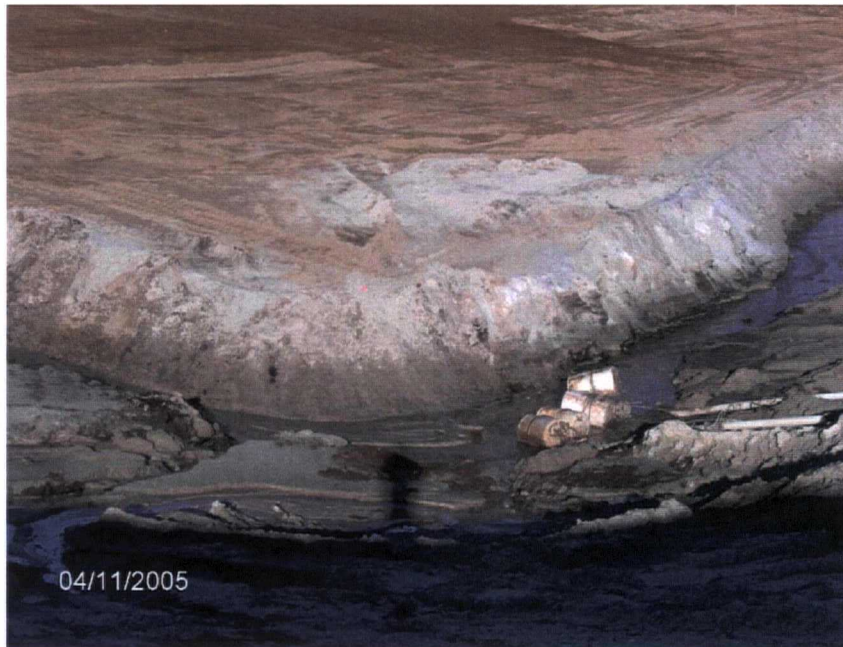
Photograph No. 1



**Date:** April 11, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of the Section 8 excavation. Shows ERC placing backfill material.

---

Photograph No. 2



**Date:** April 11, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of the Section 8 excavation shows pump that ERC is using for the dewatering of the Section 8 excavation.



Photograph #3



**Date:** April 12, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of Section 8 looking to the southwest corner of the Section 8 excavation. Shows backfilling of the Section 8 excavation.

---

Photograph #4



**Date:** April 12, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8 excavation looking to the north. Shows trucks hauling backfill material into Section 8 excavation.



Photograph #5



**Date:** April 13, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of the section 8 excavation looking north across Section 8. Shows trucks hauling backfill material into Section 8.

---

Photograph #6



**Date:** April 13, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner of the Section 8 excavation, looking to the northeast corner. Shows Section 8 excavation after last night's 1/4" rain.



Photograph #7



**Date:** April 14, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the southwest corner of the Section 8 excavation. Shows trucks hauling backfill material into the Section 8 excavation.

---

Photograph #8



**Date:** April 14, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the southwest corner of the Section 8 excavation looking to the northwest corner. Shows ERC rolling lifts of backfill material.



Photograph #9



**Date:** April 15, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the southwest corner of the Section 8 excavation looking to the North. Shows ERC water truck adding water to the backfill material during the landfill operation.

Photograph #10



**Date:** April 15, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the northeast corner of the Section 8 excavation, looking across to the eastern slope. Shows ERC working on backfilling of the Section 8 excavation.



Photograph #11



**Date:** April 8, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Southeast corner facing northwest – ERC backfilling 4<sup>th</sup> lift.

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Photograph #12



**Date:** April 8, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Northwest corner facing southeast – ERC backfilling 4<sup>th</sup> lift.



**SCS ENGINEERS**

April 18, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers *JHO*

**SUBJECT:** Week Progress Report No. 12 Week of April 18 through April 24, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. April 18 (Monday) – ERC using new sediment pond for dewatering of Section 8 excavation. ERC continuing with backfilling of Section 8. Faulkner Engineering Services, Inc. is on site doing compaction testing of Section 8 backfill.
2. April 19 (Tuesday) – Construction Progress Meeting Number 12. ERC continuing backfilling of Section 8 excavation.
3. April 20 (Wednesday) – ERC continuing backfilling of Section 8 excavation. Faulkner Engineering Services, Inc. is on site doing compaction testing of Section 8 backfill.
4. April 21 (Thursday) – ERC continuing backfilling of Section 8. Faulkner Engineering Services, Inc. is on site doing compaction testing of Section 8 backfill.
5. April 22 (Friday) – ERC continuing backfilling of Section 8. Faulkner Engineering Services, Inc. is on site doing compaction testing of Section 8 backfill.
6. April 23 (Saturday) – ERC continuing hauling backfill of Section 8.
7. April 24 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.





**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #13 to be held April 26, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: April 19, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 19, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** April 18, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner of the Section 8 excavation looking to the northeast corner of the Section 8 excavation.  
Shows ERC working on backfilling of the Section 8 excavation.

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Photograph No. 2



**Date:** April 18, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Rim ditch along western slope of the Section 8 excavation. Shows ERC rolling in left of material that was placed in rim ditch.



Photograph #3



**Date:** April 19, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner of the Section 8 excavation looking to the north across excavation. Shows water truck spraying water on backfill material.

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Photograph #4



**Date:** April 19, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of the Section 8 excavation looking to the northeast corner of the Section 8 excavation. ERC placing backfill material.



Photograph #5



**Date:** April 20, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner of Section 8 looking to the northwest corner. Shows ERC placing backfill material into Section 8.

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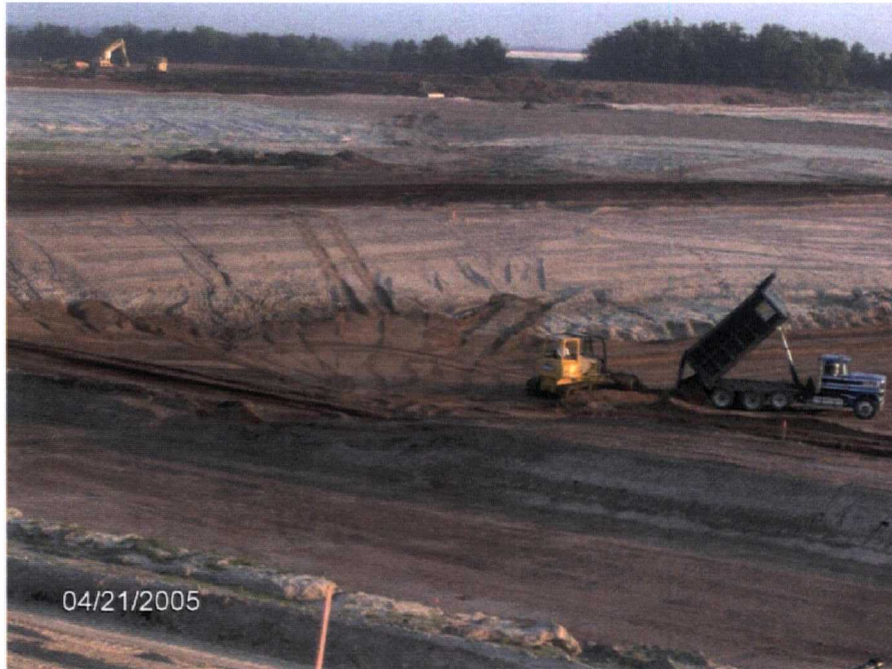
Photograph #6



**Date:** April 20, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northwest corner of Section 8 excavation looking to the southwest corner along western slope of the Section 8 excavation. Shows ERC backfilling rim ditch.



Photograph #7



**Date:** April 21, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8 looking to the southwest corner. Shows ERC working on spreading backfill material into Section 8.

Photograph #8



**Date:** April 21, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northwest corner of the Section 8 looking to the southwest corner along Western slope. Shows ERC working backfill material in Section 8.



Photograph #9



**Date:** April 22, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of Section 8 excavation looking across to the southeast corner.

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Photograph #10

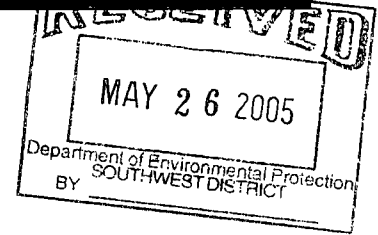


**Date:** April 22, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of the Section 8 looking across the southwest corner. Shows truck coming down ramp going into Section 8.



**SCS ENGINEERS**

April 26, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers *DA*

**SUBJECT:** Week Progress Report No. 13 Week of April 25 through May 01, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. April 25 (Monday) – ERC using new sediment pond for dewatering of Section 8 excavation. ERC continuing with backfilling of Section 8. Faulkner Engineering Services, Inc. is on site doing compaction testing of Section 8 backfill.
2. April 26 (Tuesday) – Construction Progress Meeting Number 13. ERC continuing backfilling of Section 8 excavation.
3. April 27 (Wednesday) – Due to the rain overnight, Shelly Mines, the sand pit that ERC is using for their backfill material did not open today until 10.00 am. By that time, trucks did not stay around and went to do other hauls, so ERC did not work today.
4. April 28 (Thursday) – ERC continuing backfilling of Section 8. Faulkner Engineering Services, Inc. is on site doing compaction testing of Section 8 backfill.
5. April 29 (Friday) – Due to pit conditions, ERC says that they are not able to place backfill material today.
6. April 30 (Saturday) – Due to pit conditions, ERC says that they are not able to place backfill material today.
7. May 01 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.





**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #14 to be held May 03, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 26, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 26, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05		
22	Topographic Survey	01050	4-25-05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** April 25, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northwest corner of the Section 8 looking to the southwest corner along rim ditch that has been backfilled.

Photograph No. 2



**Date:** April 25, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of Section 8 looking to the southeast corner. Shows material piled along rim ditch that will be used to backfill rim ditch.



Photograph #3



**Date:** April 26, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner of Section 8 looking to the north side of Section 8. Shows ERC compacting backfill material into Section 8.

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Photograph #4



**Date:** April 26, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of the Section 8 looking to the southeast corner. Shows ERC compacting backfill material in Section 8.



Photograph #5



**Date:** April 27, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8 looking to the north. Shows ERC working on getting rain water drained off Section 8 so they can continue with backfilling.

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Photograph #6



**Date:** April 27, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8 excavation looking to the north. Shows ERC draining water off Section 8 backfill so they can place more backfill.



Photograph #7



**Date:** April 28, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Section 8 facing northeast. ERC blading haul roads after storm event.

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Photograph #8



**Date:** April 28, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Section 8 facing northwest. Mega Force hauling fill material from Shelby Borrow and backfilling Lift 6.



**SCS ENGINEERS**

May 2, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers *JHO*

**SUBJECT:** Week Progress Report No. 14 Week of May 2, through May 8, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. May 2 (Monday) – ERC working on drying up material in the Section 8 excavation due to rain Sunday night. ERC received 5 loads of liner from GSE today.
2. May 3 (Tuesday) – Construction Progress Meeting Number 14. ERC continuing backfilling of Section 8 excavation.
3. May 4 (Wednesday) – ERC continuing backfilling of Section 8 excavation.
4. May 5 (Thursday) – ERC continuing backfilling of Section 8 excavation.
5. May 6 (Friday) – ERC continuing backfilling of Section 8 excavation. Burcaw Engineering on site taking compaction test on lift #6 on the Section 8 excavation.
6. May 7 (Saturday) – ERC continuing backfilling of Section 8 excavation.
7. May 8 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.





Memorandum to Larry E. Ruiz

Weekly Summary – Week of May 2 through May 8, 2005

Page 2

2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #15 to be held May 10, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 3, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05		
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 3, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4-29-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05		
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05	NE	4-29-05
22	Topographic Survey	01050	4-25-05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** May 2, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Subgrade saturated after rain event. ERC back blading to dry out soils..

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Photograph No. 2



**Date:** May 2, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Heavily-rutted haul road after rain event.



Photograph #3



**Date:** May 3, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC wind rowing bottom to dry out saturated material from recent rain event facing east.

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Photograph #4



**Date:** May 3, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing water after rain event. ERC disk ing to dry out excavation.



Photograph #5



**Date:** May 4, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows ERC backfilling Section 8.

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Photograph #6



**Date:** May 4, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows ERC working on spreading backfill material into Section 8.



Photograph #7



**Date:** May 5, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8 looking to the northwest corner along rim ditch running north and south.

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Photograph #8



**Date:** May 5, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows ERC working on compacting material.



Photograph #9



**Date:** May 6, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows backfill material being placed in the Section 8 excavation.

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Photograph #10



**Date:** May 6, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Looking east across Section 8 typical spreading and compaction techniques.



Photograph #11



**Date:** May 7, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows backfill material being placed into Section 8 excavation.

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Photograph #12



**Date:** May 7, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows backfill material being placed into Section 8 excavation.



**SCS ENGINEERS**

May 9, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers JHO

**SUBJECT:** Week Progress Report No. 15 Week of May 9, through May 15, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. May 9 (Monday) – ERC continuing backfilling of the Section 8 excavation. Burcaw Geotechnical Group, Inc. on site taking compaction test lift 6.
2. May 10 (Tuesday) – Construction Progress Meeting Number 15. ERC continuing backfilling of Section 8 excavation.
3. May 11 (Wednesday) – ERC continuing backfilling of Section 8 excavation.
4. May 12 (Thursday) – ERC continuing backfilling of Section 8 excavation.
5. May 13 (Friday) – ERC continuing backfilling of Section 8 excavation.
6. May 14 (Saturday) – ERC continuing backfilling of Section 8 excavation.
7. May 15 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.





2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #16 to be held May 17, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 10, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05		
2C	Geomembrane Roll Certification	02776	5-4-05		
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 10, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4/29/05
12.2	CQC Consultant Qualifications	02220-C	5-5-05		
12.3	CQC Consultant Qualifications	02220-C	5-9-05		
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5-5-05		
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05		
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4/12/05	AR	4/19/05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4/12/05	NE	4/19/05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4/25/05	NE	4/29/05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: May 10, 2005

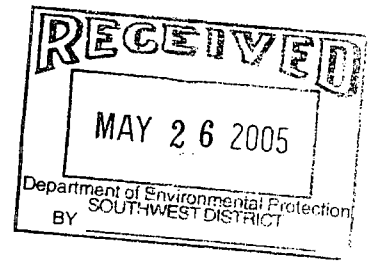
Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
22	Topographic Survey	01050	4/25/05		
24	Borrow Source (Subbase) Cert. Letter	02221-C	5/5/05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit





## CONSTRUCTION PHOTOGRAPHS



Photograph No. 1



**Date:** May 9, 2005 **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner of Section 8 looking to the northwest corner of Section 8. ERC compacting backfill with 10-ton vibrator roller.

Photograph No. 2



**Date:** May 9, 2005 **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northwest corner of Section 8 looking to the southeast corner. Shows ERC compacting backfill material.



Photograph #3



**Date:** May 10, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northwest corner of Section 8 looking to the southwest corner along rim ditch that has been backfilled.

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Photograph #4



**Date:** May 10, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner of Section 8 excavation looking to the southwest corner of Section 8. Shows backfilling of the excavation.



Photograph #5



**Date:** May 11, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Northwest corner of Section 8 facing southeast. ERC continues placement of lift #6 on subgrade.

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Photograph #6



**Date:** May 11, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Northeast corner of Section 8 facing southwest. ERC continues placement of lift #6 on subgrade.



Photograph #7



**Date:** May 12, 2005 **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Southeast corner of Section 8 facing northwest. ERC continues to stockpile fill for lift #6.

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Photograph #8



**Date:** May 12, 2005 **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Southwest corner of Section 8 facing southeast. ERC continues to haul and spread lift #6 subgrade.



Photograph #9



**Date:** May 13, 2005 **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** South rim ditch. ERC excavating saturated soils prior to backfilling ditch.

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Photograph #10



**Date:** May 13, 2005 **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Burcaw and Associates testing lifts for compaction, as rim ditch is backfilled.



**ATTACHMENT C**  
Construction Progress Meeting Summary Reports



## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: April 19 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 11**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 11. The date was April 19, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 11  
a. Meeting Summary**

- 1) ERC to discuss the status of backfill in Section 8. The number of trucks proposed schedule for completion and hours of operation. Trucks to stop at scalehouse and be tarped until they reach Section 8.
- 2) ERC indicated they have 24 trucks hauling backfill material from Shelly Mines to the Section 8 excavation.
- 3) ERC indicated SCS should receive the final record drawing for the excavation this week.
- 4) ERC indicated clay borrow testing has been done and SCS should get results this week.
- 5) SCS will look at submittal from ERC on the backfill soils direct shear test this week.
- 6) ERC indicated conformance samples on the HDPE liner is being done this week at the GSE plant.
- 7) ERC indicated HDPE liner shipping is unknown at this time.
- 8) SCS gave ERC copies of finalized meeting notes for meeting #7, 8, and 9.



**b. Unfinished business:**

- 1) ERC to give SCS an update on clay testing from borrow source this week.
- 2) SCS indicated they have received new test reports from Ardaman Associates on direct shear test on backfill material.
- 3) SCS is waiting on ERC response on RFI #11.
- 4) ERC indicated that during the mass excavation of Section 8, SCS was going to have a lower rate person on site for inspections on Saturday and that did not happen. SCS said they would look back at the extra charges to ERC for this and make adjustments.

**2. Project Schedule (see attached schedule)**

**a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will continue backfilling of Section 8 excavation.
- 2) Clay test pad and testing will be completed June 1.
- 3) Clay sub base 8 material will be completed July 12.
- 4) HDPE liner system will be completed August 1
- 5) Import sand over liner will be completed August 11.
- 6) Liner testing will be completed August 24.
- 7) Tire placement will be completed September 1
- 8) Demobilize equipment will be completed September 2.

**b. Progress and work activity projected for the week of 4/18/05 to 4/24/05:**

- 1) ERC will continue using the new sediment pond for their dewatering of Section 8.
- 2) ERC will continue with backfill of Section 8
- 3) ERC will continue compaction testing on backfill material placed in Section 8 in 1 ft. lifts.

**c. ERC proposed working hours during this period**

ERC working hours are 7:30 am to 5:30 pm, 5 days a week. SCS is waiting on response letter from ERC on RFI #11 regarding changing working hours for this period.

**d. Subcontractors and/or materials expected onsite**



Mega Force is on site hauling backfill material for Section 8.

Faulkner Engineering Service, Inc. is on site doing compaction testing on backfill.

### **Engineers' Hours**

The Engineers' hours are 7:30 am to 5:30 pm, 5 days a week.

SCS is waiting on response letter from ERC on RFI #11.

### **3. Construction Conflicts**

ERC was given total of all overtime for the QA/QC person to date.

ERC indicated that they were reviewing the total for QA/QC personnel however the totals appeared to be correct to date. ERC said that during the mass excavation, SCS said they would have a lower rate person on site on Saturday and did not. SCS said that they would look back at the charges to ERC for this and make adjustments.

### **4. Contractor's Submittals Status**

#### **a. Shop drawings**

- 1) See attached submittal log.

#### **b. RFI's (See attached RFI log)**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 submitted.
- 9) RFI #9 submitted.
  - 9.1) RFI #9.1 Engineers comments returned to ERC.
- 10) RFI #10 submitted. Engineers' comments returned to ERC.
- 11) RFI #11 submitted. Approved pending ERC approval of overtime. SCS waiting on ERC response to RFI #11.

#### **c. Submittals**



See attached submittal log.

## **5. Contractor Issues**

None at this time.

## **6. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.
- c. The County told ERC that their personnel working around equipment and trucks hauling backfill material into Section 8 should be wearing safety vests and hard hats.

## **7. Engineer's Issues**

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

Regarding the hardpan-No rock larger than 1" in diameter can be placed in backfill material in Section 8.

SCS told ERC that they need a submittal on the compaction testing on Section 8 backfill that indicated that Faulkner Engineering Services is taking Burcaw's place and will be signing off on all compaction tests on the Section 8 backfilling.

## **8. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.



### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

### **9. Other Issues**

None at this time.



Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float	2005								
								FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SURVEY	PRE-TOPO SURVEY AND EARTHWORK	1	0	100	27JAN05A	03FEB05A		▼ PRE-TOPO SURVEY AND EARTHWORK CALCULATIONS								
CLEARING	CLEAR AND GRUB	3	0	100	31JAN05A	02FEB05A		▼ CLEAR AND GRUB								
DEWTERIN	DEWATERING SYSTEM INSTALLATION	5	0	100	31JAN05A	03FEB05A		▼ DEWATERING SYSTEM INSTALLATION								
MOB	MOBIZE EQUIPMENT	4	0	100	31JAN05A	07FEB05A		▼ MOBIZE EQUIPMENT								
DRAGLINE	EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS	67	0	100	01FEB05A	30MAR05A		▼ EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS								
STOCKPILE	REMOVAL OF EXCAVATED MATERIALS	61	0	100	03FEB05A	30MAR05A		▼ REMOVAL OF EXCAVATED MATERIALS								
FILL	FILL, 265,000 CY, 5,520 CY/DAY, 23 TK'S@14 LD/DY	49	49	0	24MAR05A	24JUN05	20	▼ FILL, 265,000 CY, 5,520 CY/DAY, 23 TK'S@14 LD/DY								
CLAYTEST	CLAY TEST PAD AND TESTING	15	15	0	12MAY05	01JUN05	87	▼ CLAY TEST PAD AND TESTING								
CLAY	CLAY SUB BASE -5 MATERIAL, 500 CY/DAY LOOSE	15	15	0	22JUN05	12JUL05	20	▼ CLAY SUB BASE -5 MATERIAL, 500 CY/DAY LOOSE								
LINER	HDPE LINER SYSTEM	14	14	0	13JUL05	01AUG05	20	▼ HDPE LINER SYSTEM								
SAND	IMPORT SAND OVER LINER	8	8	0	02AUG05	11AUG05	20	▼ IMPORT SAND OVER LINER								
LINER	LINER TESTING	9	9	0	12AUG05	24AUG05	20	▼ LINER TESTING								
TIRES	12" OF TIRE PLACEMENT	6	6	0	25AUG05	01SEP05	20	▼ 12" OF TIRE PLACEMENT								
DEMOB	DEMOMOBILIZE EQUIPMENT	1	1	0	02SEP05	02SEP05	20	▼ DEMOMOBILIZE EQUIPMENT								

Project Start 31JAN05  
 Project Finish 02SEP05  
 Date Date 18APR05  
 Plot Date 18APR05

H8.8

ERC GENERAL CONTRACTING SERVICES, IN  
 HILLSBOROUGH COUNTY LANDFILL SECT 8  
 Classic Schedule Layout

Sheet 1 of 1

Progress Mfg #11



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 19, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 19, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## Request for Information LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 19, 2005

RFI Number	Description of RFI	Date Submitted	Date Returned	Comment
1	Request for Addition Work Days	1-26-05 2-2-05	1-31-05 2-4-05	ERC approved to work Sat 7:30 to 5:30 during Mass Excavation only
2	Interface Shear Testing	2-7-05	2-11-05	Returned – not applicable to this project
3	Request of 24-hr/7day per week access to dewatering pumps	2-15-05	2-21-05	Approved for maint. of pumps only
4 & 4.1	Change in Limits of Construction	2-22-05 3-1-05	3-15-05	Approved – refer to drawing
5	Topsoil requirements	2-22-05	3-15-05	ERC to test soils for nutrients; comply with maint. of grass
6 & 6.1	Request for Additional Work Hour Mon – Sat 7:00 a.m. to 6:00 p.m.	2-22-05 3-1-05	3-15-05	Approved if ERC pays for overtime
7	Sticks in Backfill	3-8-05	3-15-05	Amended Section 02220
8	Use of GCL	3-10-05	3-11-05	Approved is ERC pays for Engr, testing, etc
9	Request for Tri-axial testing waiver for Backfill	3-16-05	3-18-05	Testing Parameters supplied to ERC
9.1	Request for Tri-axial / Direct Shear Test waiver	3-22-05	3-25-05	Revised Testing Requirements
10	Settlement on sideslopes	3-28-05	4-05-05	Approved – See Response
11	Extended working Hours	3-29-05 4-4-05	4-05-05	Approved



## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: April 26 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 12**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 12. The date was April 26, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 12  
a. Meeting Summary**

- 1) ERC to discuss the status of backfill in Section 8, the number of trucks proposed schedule for completion and hours of operation, and trucks to stop at scalehouse and be tarped until they reach Section 8.
- 2) ERC indicated they have 14 trucks hauling backfill material from Shelly Mines to the Section 8 excavation.
- 3) ERC indicated that on most days in the afternoon they only have 4 or 5 trucks hauling.
- 4) ERC indicated SCS should receive the final record drawing for the excavation this week.
- 5) ERC indicated clay borrow testing has been done and SCS should get results this week.
- 6) SCS indicated that they have asked for the results on the clay borrow source test that ERC indicated is done for the last few weeks, but SCS has not seen the results yet.
- 7) SCS said submittal #18B was given back to ERC on 4/19/05 marked A/R.



April 26, 2005

Page 2

- 8) SCS said submittal #11 on Protective Drainage Sand tested by Burcaw passed. Test done by Ardaman Associates did not pass. ERC indicated that stockpile material that samples were taken from is no longer at pit. ERC indicated they will wait until they get closer to needing the material and will have it retested.
- 9) ERC said that they are going to submit a change order to the County on the price of liner. Due to the cost, resin has gone up because of oil prices.
- 10) ERC indicated HDPE liner shipping is unknown at this time.
- 11) SCS gave ERC copies of finalized meeting notes for meeting #10, 11, & 12.

**b. Unfinished business:**

- 1) ERC to give SCS an update on clay testing from borrow source this week.
- 2) SCS indicated they are still waiting on results on the clay borrow source testing that ERC indicated has been done for project.
- 3) SCS indicated that the Submittal #18B was given back to ERC on 4/19/05 marked A/R.
- 4) SCS said Submittal #11 on Protective Drainage Sand tested by Burcaw had passed, but same test by Ardaman & Associates did not pass.
- 5) ERC said that the material that was sampled is no longer at the pit so they will wait until they get closer to using the material for the project. ERC will then take two more samples to be tested and make sure that the pit has enough material to do the project.

**2. Project Schedule (See Attached Schedule)**

**a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will continue backfilling of Section 8 excavation.
- 2) Clay test pad and testing will be completed June 1.
- 3) Clay sub base 8 material will be completed September 15.
- 4) HDPE liner system will be completed October 7
- 5) Import sand over liner will be completed October 19.
- 6) Liner testing will be completed November 1
- 7) Tire placement will be completed November 9
- 8) Demobilize equipment will be completed November 10.

**b. Progress and work activity projected for the week of 4/25/05 to 4/30/05:**



April 26, 2005

Page 3

- 1) ERC will continue using the new sediment pond for their dewatering of Section 8.
- 2) ERC will continue with backfill of Section 8
- 3) ERC will continue compaction testing on backfill material placed in Section 8 in 1 ft. lifts.

**c. ERC proposed working hours during this period**

ERC working hours are 7:30 am to 5:30 pm, 5 days a week. ERC indicated that they will be stockpiling material on Saturday only, not spreading or compacting any material.

**d. Subcontractors and/or materials expected onsite**

Mega Force is on site hauling backfill material for Section 8.

Faulkner Engineering Service, Inc. is on site conducting compaction testing on backfill.

**Engineers' Hours**

The Engineers' hours are 7:30 am to 5:30 pm, 5 days a week.

SCS indicated if ERC does not spreading or compacting of backfill material on Saturday, no one from SCS needs to be there to inspect. Only stockpiling of material allowed.

**3. Construction Conflicts**

ERC indicated that Mega Forge trucking is not giving ERC enough trucks on project and is getting ERC behind on schedule.

**4. Contractor's Submittals Status**

**a. Shop drawings**

- 1) See submittal log.

**b. RFI's (See attached RFI log)**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.



April 26, 2005

Page 4

- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 submitted.
- 9) RFI #9 submitted.
- 9.1) RFI #9.1 Engineers comments returned to ERC.
- 10) RFI #10 submitted. Engineers' comments returned to ERC.
- 11) RFI #11 submitted. Submittal was approved by SCS.

**c. Submittals**

See attached submittal log.

**5. Contractor Issues**

None at this time.

**6. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.
- c. The County told ERC that they need to check their health and safety plan to find out about their procedure of people working around equipment and trucks hauling backfill material into the Section 8 excavation.

**7. Engineer's Issues**

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

Regarding the hardpan-No rock larger than 1" in diameter can be placed in backfill material in Section 8.

SCS told ERC that they need a submittal on the compaction testing on Section 8 backfill that indicated that Faulkner Engineering Services is taking Burcaw's place and will be signing off on all compaction tests on the Section 8 backfilling.



## **8. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

## **9. Other Issues**

None at this time.



Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float	2005											
								FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
SURVEY	PRE-TOPO SURVEY AND EARTHWORK	1	0	100	27JAN05A	03FEB05A													PRE-TOPO SURVEY AND EARTHWORK CALCULATIONS
CLEARING	CLEAR AND GRUB	3	0	100	31JAN05A	02FEB05A													CLEAR AND GRUB
DEWTERIN	DEWATERING SYSTEM INSTALLATION	5	0	100	31JAN05A	03FEB05A													DEWATERING SYSTEM INSTALLATION
MOB	MOBIZE EQUIPMENT	4	0	100	31JAN05A	07FEB05A													MOBIZE EQUIPMENT
DRAGLINE	EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS	67	0	100	01FEB05A	30MAR05A													EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS
STOCKPILE	REMOVAL OF EXCAVATED MATERIALS	61	0	100	03FEB05A	30MAR05A													REMOVAL OF EXCAVATED MATERIALS
FILL	230,216 CY to go, 2,574 CY/DAY, 13 TK'S@11 LD/DY	89	89	0	24MAR05A	26AUG05	-48												230,216 CY to go, 2
CLAYTEST	CLAY TEST PAD AND TESTING	15	15	0	12MAY05	01JUN05	68												CLAY TEST PAD
CLAY	CLAY SUB BASE -5 MATERIAL, 500 CY/DAY LOOSE	17	17	0	24AUG05	15SEP05	-48												CLAY SUB BA
LINER	HDPE LINER SYSTEM	16	16	0	16SEP05	07OCT05	-48												HDPE LIN
SAND	IMPORT SAND OVER LINER	8	8	0	10OCT05	19OCT05	-48												IMPOR
LINER	LINER TESTING	9	9	0	20OCT05	01NOV05	-48												LIN
TIRES	12" OF TIRE PLACEMENT	6	6	0	02NOV05	09NOV05	-48												12
DEMOB	DEMOBILIZE EQUIPMENT	1	1	0	10NOV05	10NOV05	-48												D

Project Start 31JAN05  
 Project Finish 10NOV05  
 Data Date 26APR05  
 Plot Date 26APR05

HL8

ERC GENERAL CONTRACTING SERVICES, IN  
 HILLSBOROUGH COUNTY LANDFILL SECT 8  
 Classic Schedule Layout

Sheet 1 of 1

Progress mty #12



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 26, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: April 26, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05		
22	Topographic Survey	01050	4-25-05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## Request for Information LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: April 26, 2005

RFI Number	Description of RFI	Date Submitted	Date Returned	Comment
1	Request for Addition Work Days	1-26-05 2-2-05	1-31-05 2-4-05	ERC approved to work Sat 7:30 to 5:30 during Mass Excavation only
2	Interface Shear Testing	2-7-05	2-11-05	Returned – not applicable to this project
3	Request of 24-hr/7day per week access to dewatering pumps	2-15-05	2-21-05	Approved for maint. of pumps only
4 & 4.1	Change in Limits of Construction	2-22-05 3-1-05	3-15-05	Approved – refer to drawing
5	Topsoil requirements	2-22-05	3-15-05	ERC to test soils for nutrients; comply with maint. of grass
6 & 6.1	Request for Additional Work Hour Mon – Sat 7:00 a.m. to 6:00 p.m.	2-22-05 3-1-05	3-15-05	Approved if ERC pays for overtime
7	Sticks in Backfill	3-8-05	3-15-05	Amended Section 02220
8	Use of GCL	3-10-05	3-11-05	Approved is ERC pays for Engr, testing, etc
9	Request for Tri-axial testing waiver for Backfill	3-16-05	3-18-05	Testing Parameters supplied to ERC
9.1	Request for Tri-axial / Direct Shear Test waiver	3-22-05	3-25-05	Revised Testing Requirements
10	Settlement on sideslopes	3-28-05	4-05-05	Approved – See Response
11	Extended working Hours	3-29-05 4-4-05	4-05-05	Approved
12	(RFI Pending)			
13	Fuel Price Increase	4/26/05		



## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: May 3 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 13**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 13. The date was May 03, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 13  
a. Meeting Summary**

- 1) ERC to discuss the status of backfill in Section 8, the number of trucks proposed schedule for completion and hours of operation, and trucks to stop at scalehouse and be tarped until they reach Section 8.
- 2) ERC indicated they have 24 trucks hauling backfill material from Shelly Mines to the Section 8 excavation.
- 3) ERC indicated that Mega Force needs to have 24 trucks a day making 15 rounds each day to meet the new schedule of June 21, 2005 for the completion of the backfilling.
- 4) SCS asked ERC to submit a recovery plan on how they were going to get project back on schedule per 14.8.1. of the specifications. Last week ERC submitted a schedule that shows ERC completing project on November 10, 2005 which is past contract time of 245 calendar days. This schedule was rejected by SCS Engineers.
- 5) ERC indicated that they have received pay request #2 from County.



May 3, 2005

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- 6) SCS indicated that they sent ERC a letter requesting information on status of the two soil testing firms, Burcaw & Faulkner, that have been taking compaction tests on the Section 8 backfill.
- 7) ERC indicated that Faulkner said they will sign off on the test that they took and Burcaw will sign off on the ones that they have taken.
- 8) Burcaw said that they will send a letter today about changing Faulkner back to Burcaw for the soil testing of backfill. Burcaw will also send qualifications on personnel that will be signing off on compaction of the backfill.
- 9) SCS said that there has been several important letters sent to ERC from SCS in the last few weeks. SCS asked if ERC had received them. Vaden Pollard from ERC indicated they have received them.
- 10) These letter where about:
  - a) Letter A dated May 2, 2005 on delivery of Geomembrane.
  - b) Letter B dated May 2, 2005 on Clarification of CQA Firms.
  - c) Letter C dated April 28, 2005 on TRI test results.
  - d) Letter D dated April 29, 2005 response to RFI #12 & 13.
  - e) Letter E dated April 27, 2005 construction schedule.
- 11) ERC said they have sent County a letter requesting to be given permission to dismiss Mega Force trucking from the project and replace them with someone else because of their poor performance.
- 12) ERC has not received any information back from the County on dismissing Mega Force.
- 13) ERC indicated clay borrow testing has been done and SCS should get results to day.
- 14) SCS indicated that they have asked for the results on the clay borrow source test that ERC indicated is done for the last few weeks, but SCS has not seen the results yet.
- 15) SCS said submittal #18B was given back to ERC on 4/19/05 marked A/R. ERC indicated they are working on resubmitting submittal #18B.
- 16) SCS said submittal #11 on Protective Drainage Sand tested by Burcaw passed. Test done by Ardaman Associates did not pass. ERC indicated that stockpile material that samples were taken from is no longer at pit. ERC indicated they will wait until they get closer to needing the material and will have it retested.
- 17) ERC asked SCS if they could place some hard pan material in the Section 8 excavation so trucks could get to the East side of the Section 8 excavation to start on lift #6. SCS said they could only place a road about 25 feet wide and 1 foot thick so trucks could drive on it to get to the East side to start on lift #6. This road could stay in place and ERC would not have to remove it.



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- 18) ERC indicated that GSE shipped HDPE liner without informing them that it was being shipped.
- 19) SCS gave ERC copies of finalized meeting notes for meeting #10, 11, & 12.

**b. Unfinished business:**

- 1) ERC to give SCS an update on clay testing from borrow source today.
- 2) ERC indicated that Burcaw will be the group doing compaction testing on backfill material for the rest of the project.
- 3) ERC indicated that Faulkner will be the group testing the clay for the project.
- 4) SCS indicated that the Submittal #18B was given back to ERC on 4/19/05 marked A/R. ERC indicated they are working on getting submittal back to SCS.
- 5) SCS said Submittal #11 on Protective Drainage Sand tested by Burcaw had passed, but same test by Ardaman & Associates did not pass.
- 6) ERC said that the material that was sampled is no longer at the pit so they will wait until they get closer to using the material for the project. ERC will then take two more samples to be tested and make sure that the pit has enough material to do the project.
- 7) ERC asked if SCS could send copies of letters and submittal to ERC office direct because they have not been getting them. Vaden Pollard does not have time to send paper work to their office. If SCS could send copies to their office, it would help speed up the process on getting paperwork back to SCS.
- 8) SCS said they would send copies to ERC and only response letters would be given to ERC at the site.

**2. Project Schedule (see Attached schedule)**

**a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will continue backfilling of Section 8 excavation.
- 2) Backfill will be completed June 21.
- 3) Clay test pad and testing will be completed June 1.
- 4) Clay sub base 8 material will be completed July 11
- 5) HDPE liner system will be completed August 2
- 6) Import sand over liner will be completed August 12.
- 7) Liner testing will be completed August 25
- 8) Tire placement will be completed September 2



- 9) Demobilize equipment will be completed September. 5

**b. Progress and work activity projected for the week of 5/02/05 to 5/08/05:**

- 1) ERC will continue using the new sediment pond for their dewatering of Section 8.
- 2) ERC will continue with backfill of Section 8
- 3) ERC will continue compaction testing on backfill material placed in Section 8 in 1 foot lifts.
- 4) ERC will have at least 24 trucks a day, making 15 round trips each a day from Shelly Mines to the Section 8 excavation to get project back on schedule.

**c. ERC proposed working hours during this period**

ERC working hours are 7:30 am to 5:30 pm, 5 days a week. ERC indicated that they will be working on Saturday from 7.30 am till around 2.00.pm.

**d. Subcontractors and/or materials expected onsite**

Mega Force is on site hauling backfill material for Section 8.

Burcaw is on site doing compaction testing on backfill.

Pickett and Associates on site doing topo of backfill material in Section 8, so ERC can do this months billing.

GSE delivered geomembrane to the site.

**Engineers' Hours**

The Engineers' hours are 7:30 am to 5:30 pm, 5 days a week.

SCS indicated if ERC works on Saturday, they will have someone on site for inspections.

**3. Construction Conflicts**

ERC indicated they hope that Mega Force trucking can get at least 24 trucks hauling backfill material to the Section 8 excavation to get back on schedule.

ERC indicated that is becoming an issue now on the project.



ERC indicated they are trying to rent a grader to help keep a slope on the backfill so when it rains a lot the water will run off and not pool up making it harder to get material to dry up.

ERC indicated that to date that no conflicts have occurred with Waste Management where ERC and WMIF trucks cross each other pathway (adjacent to ERC laydown area).

ERC indicated that some of Mega Force truck drivers cannot speak English, so it is hard to make them understand what ERC is asking them to do.

#### **4. Contractor's Submittals Status**

##### **a. Shop drawings**

- 1) See attached submittal log.

##### **b. RFI's (See Attached RFI log)**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 submitted.
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  - 9.1) RFI #9.1 Engineers comments returned to ERC.
- 10) RFI #10 submitted. Engineers' comments returned to ERC.
- 11) RFI #11 submitted. Submittal was approved by SCS.
- 12) RFI #12 submitted. Engineers requesting additional information.
- 13) RFI #13 submitted. Engineers requesting additional information.

##### **c. Submittals**

See attached submittal log.

#### **5. Contractor Issues**

ERC needs to get enough trucks from Mega Force to be able to get project back on schedule.



ERC indicated rain may become an issue as the project continues into the summer.

## **6. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.
- c. The County told ERC that they need to check their health and safety plan to find out about their procedure of people working around equipment and trucks hauling backfill material into the Section 8 excavation.
- d. ERC indicated their personnel directing trucks in Section 8 excavation are wearing safety vests.

## **7. Engineer's Issues**

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

Regarding the hardpan-No rock larger than 1" in diameter can be placed in backfill material in Section 8.

SCS told ERC that they need a letter on the compaction testing on Section 8 backfill that indicated Burcaw will be taking Faulkner's place and will be signing off on tests that Burcaw has been taking. SCS told ERC that they need a letter from Faulkner stating that they will sign off on all the compaction tests they have taken in the Section 8 excavation.

## **8. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

**Safety Meeting Schedule**



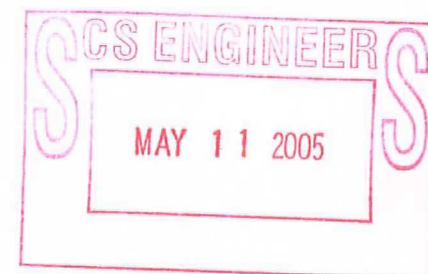
ERC indicated that Safety Meetings are being conducted daily prior to starting work.

**9. Other Issues**

None at this time.



Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float	2005											
								FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
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Project Start 31JAN05  
 Project Finish 05SEP05  
 Data Date 02MAY05  
 Plot Date 03MAY05

HIL8

ERC GENERAL CONTRACTING SERVICES, IN  
 HILLSBOROUGH COUNTY LANDFILL SECT 8  
 Classic Schedule Layout

Sheet 1 of 1

Construction MTG #13

Department of Environmental Protection  
 By SOUTHWEST DISTRICT

MAY 26 2005

RECEIVED



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 3, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
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9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 3, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4-29-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05		
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05	NE	4-29-05
22	Topographic Survey	01050	4-25-05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## Request for Information LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 3, 2005

RFI Number	Description of RFI	Date Submitted	Date Returned	Comment
1	Request for Addition Work Days	1-26-05 2-2-05	1-31-05 2-4-05	ERC approved to work Sat 7:30 to 5:30 during Mass Excavation only
2	Interface Shear Testing	2-7-05	2-11-05	Returned – not applicable to this project
3	Request of 24-hr/7day per week access to dewatering pumps	2-15-05	2-21-05	Approved for maint. of pumps only
4 & 4.1	Change in Limits of Construction	2-22-05 3-1-05	3-15-05	Approved – refer to drawing
5	Topsoil requirements	2-22-05	3-15-05	ERC to test soils for nutrients; comply with maint. of grass
6 & 6.1	Request for Additional Work Hour Mon – Sat 7:00 a.m. to 6:00 p.m.	2-22-05 3-1-05	3-15-05	Approved if ERC pays for overtime
7	Sticks in Backfill	3-8-05	3-15-05	Amended Section 02220
8	Use of GCL	3-10-05	3-11-05	Approved is ERC pays for Engr, testing, etc
9	Request for Tri-axial testing waiver for Backfill	3-16-05	3-18-05	Testing Parameters supplied to ERC
9.1	Request for Tri-axial / Direct Shear Test waiver	3-22-05	3-25-05	Revised Testing Requirements
10	Settlement on sideslopes	3-28-05	4-05-05	Approved – See Response
11	Extended working Hours	3-29-05 4-4-05	4-05-05	Approved
12	Price Increase in HDPE Liner	4/27/05	4/29/05	Additional Information Requested
13	Fuel Price Increase	4/26/05	4/29/05	Additional Information Requested



## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: May 10, 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 14**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 14. The date was May 10, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 14  
a. Meeting Summary**

- 1) ERC to discuss the status of backfill in Section 8, the number of trucks proposed schedule for completion and hours of operation, and trucks to stop at scalehouse and be tarped until they reach Section 8.
- 2) ERC indicated they have 28 trucks hauling backfill material from Shelly Mines to the Section 8 excavation.
- 3) ERC indicated that Mega Force needs to have 30 trucks a day making 15 rounds each day to meet the new schedule of June 20, 2005 for the completion of the backfilling.
- 4) SCS asked ERC to submit a recovery plan on how they were going to get project back on schedule per 14.8.1. of the specifications. Two weeks ago, ERC submitted a schedule that shows ERC completing project on November 10, 2005 which is past contract time of 245 calendar days. This schedule was rejected by SCS Engineers.



May 10, 2005

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- 5) Vaden Pollard from ERC said he would have Jerry Pinder do a plan on how they are going to get project back on schedule and get it to SCS hopefully today.
- 6) SCS indicated that they sent ERC a letter requesting information on status of the two soil testing firms, Burcaw & Faulkner, that have been taking compaction tests on the Section 8 backfill.
- 7) ERC indicated that Faulkner will sign off on the test that they conducted and Burcaw will sign off on the ones that they have conducted.
- 8) Burcaw said that they will send a letter about changing Faulkner back to Burcaw for the soil testing of backfill. Burcaw will also send qualifications on personnel that will be signing off on compaction of the backfill.
- 9) ERC said they have sent County a letter requesting to be given permission to dismiss Mega Force trucking from the project and replace them with someone else because of their poor performance.
- 10) ERC said that they have received a letter from County that said that ERC cannot dismiss Mega Force from project
- 11) ERC said County said that ERC could hire someone to help with the hauling of backfill to the Section 8 excavation if Mega Force could not get enough trucks to get ERC back on schedule.
- 12) ERC said that they have received a letter from Mega Force dated 5/9/2005 giving ERC a 7 day notice that indicated that they will no longer be able to supply trucks to the project. In the interim of the seven day period, Mega Force will endeavor to send as many trucks as possible so as not to put a hardship on the project. If the condition at the pit improves, Mega Force will be happy to look at the situation again.
- 13) ERC said that they need to have 30 trucks a day hauling backfill to the Section 8 excavation and will be using Florida Trucking to fill in for the number of trucks that Mega Force does not supply for the project.
- 14) ERC indicated clay borrow testing has been done and SCS should get results today.
- 15) SCS indicated that they have asked for the results on the clay borrow source test that ERC indicated is done for the last few weeks, but SCS has not seen the results yet.
- 16) SCS said submittal #18B was given back to ERC on 4/19/05 marked A/R. ERC indicated they are working on resubmitting submittal #18B.
- 17) SCS said submittal #11 on Protective Drainage Sand tested by Burcaw passed. Test done by Ardaman Associates did not pass. ERC indicated that stockpile material that samples were taken from is no longer at pit. ERC indicated they will wait until they get closer to needing the material and will have it retested.



- 18) SCS gave ERC copies of finalized meeting notes for meeting #10, 11, & 12.

**b. Unfinished business:**

- 1) ERC to give SCS an update on clay testing from borrow source today.
- 2) ERC indicated that Burcaw will be the group doing compaction testing on backfill material for the rest of the project.
- 3) ERC indicated that Faulkner will be the group testing the clay for the project.
- 4) SCS indicated that the Submittal #18B was given back to ERC on 4/19/05 marked A/R. ERC indicated they are working on getting submittal back to SCS.
- 5) SCS said Submittal #11 on Protective Drainage Sand tested by Burcaw had passed, but same test by Ardaman & Associates did not pass.
- 6) ERC said that the material that was sampled is no longer at the pit so they will wait until they get closer to using the material for the project. ERC will then take two more samples to be tested and make sure that the pit has enough material to do the project.
- 7) ERC said that Burcaw would be the group doing the compaction testing on the backfill of the Section 8 excavation.

**2. Project Schedule (See Attached Schedule)**

**a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will continue backfilling of Section 8 excavation.
- 2) Backfill will be completed June 20.
- 3) Clay test pad and testing will be completed May 24.
- 4) Clay sub base 8 material will be completed July 8
- 5) HDPE liner system will be completed August 1
- 6) Import sand over liner will be completed August 11.
- 7) Liner testing will be completed August 24
- 8) Tire placement will be completed September 1
- 9) Demobilize equipment will be completed September. 2

**b. Progress and work activity projected for the week of 5/09/05 to 5/15/05:**

- 1) ERC will continue using the new sediment pond for their dewatering of Section 8.
- 2) ERC will continue with backfill of Section 8



May 10, 2005

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- 3) ERC will continue compaction testing on backfill material placed in Section 8 in 1 ft. lifts.
- 4) ERC will have at least 30 trucks a day, making 15 round trips each a day from Shelly Mines to the Section 8 excavation to get project back on schedule.
- 5) ERC said that they will have the rim ditches backfilled by end of week.

**c. ERC proposed working hours during this period**

ERC working hours are 7:30 am to 5:30 pm, 5 days a week. ERC indicated that they will be working on Saturday from 7.30 am till around 2.00.pm.

**d. Subcontractors and/or materials expected onsite**

Mega Force is on site hauling backfill material for Section 8.

Burcaw is on site doing compaction testing on backfill.

Florida trucking will also be hauling backfill material to the Section 8 excavation.

**Engineers' Hours**

The Engineers' hours are 7:30 am to 5:30 pm, 5 days a week.

SCS indicated if ERC works on Saturday, they will have someone on site for inspections.

**3. Construction Conflict.**

ERC hopes that the pit at Shelly Mines will open up the second ticket booth to help speed up the trucks getting in and out of the pit.

ERC indicated they are trying to rent a grader to help keep a slope on the backfill so when it rains a lot the water will run off and not pool up making it harder to get material to dry up.

ERC indicated that to date that no conflicts have occurred with Waste Management where ERC and WMIF trucks cross each other pathway (adjacent to ERC laydown area).

**4. Contractor's Submittals Status**

**a. Shop drawings**



- 1) See attached submittal log.

**b. RFI's (See Attached RFI Log)**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 submitted.
- 9) RFI #9 submitted.
  - 9.1) RFI #9.1 Engineers comments returned to ERC.
- 10) RFI #10 submitted. Engineers' comments returned to ERC.
- 11) RFI #11 submitted. Submittal was approved by SCS.
- 12) RFI #12 submitted. Engineers requesting additional information.
- 13) RFI #13 submitted. Engineers requesting additional information.

**c. Submittals**

See attached submittal log.

**5. Contractor Issues**

ERC needs to get enough trucks from Mega Force and Florida trucking to be able to get project back on schedule.

ERC indicated rain may become an issue as the project continues into the summer.

**6. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.
- c. The County told ERC that they need to check their health and safety plan to find out about their procedure of people working around equipment and trucks hauling backfill material into the Section 8 excavation.



- d. ERC indicated their personnel directing trucks in Section 8 excavation are wearing safety vests.

## **7. Engineer's Issues**

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

Regarding the hardpan-No rock larger than 1" in diameter can be placed in backfill material in Section 8.

SCS told ERC that they need a letter on the compaction testing on Section 8 backfill that indicated Burcaw will be taking Faulkner's place and will be signing off on tests that Burcaw has been taking. SCS told ERC that they need a letter from Faulkner stating that they will sign off on all the compaction tests they have taken in the Section 8 excavation.

## **8. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

## **9. Other Issues**

None at this time.



Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float	2005											
								FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
SURVEY	PRE-TOPO SURVEY AND EARTHWORK	1	0	100	27JAN05A	03FEB05A		PRE-TOPO SURVEY AND EARTHWORK CALCULATIONS											
CLEARING	CLEAR AND GRUB	3	0	100	31JAN05A	02FEB05A		CLEAR AND GRUB											
DEWATERIN	DEWATERING SYSTEM INSTALLATION	5	0	100	31JAN05A	03FEB05A		DEWATERING SYSTEM INSTALLATION											
MOB	MOBIZE EQUIPMENT	4	0	100	31JAN05A	07FEB05A		MOBIZE EQUIPMENT											
DRAGLINE	EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS	67	0	100	01FEB05A	30MAR05A		EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS											
STOCKPILE	REMOVAL OF EXCAVATED MATERIALS	61	0	100	03FEB05A	30MAR05A		REMOVAL OF EXCAVATED MATERIALS											
FILL	205,216 CY to go, 8,100 CY/DAY, 30 TK'S@15 LD/DY	89	30	66	24MAR05A	20JUN05	1	205,216 CY to go, 8,100 CY/DAY, 30											
CLAYTEST	CLAY TEST PAD AND TESTING	9	9	0	12MAY05	24MAY05	74	CLAY TEST PAD											
CLAY	CLAY SUB BASE -5 MATERIAL, 500 CY/DAY LOOSE	17	17	0	16JUN05	08JUL05	1	CLAY SUB BASE -5 MATERIAL											
LINER	HDPE LINER SYSTEM	16	16	0	11JUL05	01AUG05	1	HDPE LINER SYSTEM											
SAND	IMPORT SAND OVER LINER	8	8	0	02AUG05	11AUG05	1	IMPORT SAND OVER L											
LINER	LINER TESTING	9	9	0	12AUG05	24AUG05	1	LINER TESTING											
TIRES	12" OF TIRE PLACEMENT	6	6	0	25AUG05	01SEP05	1	12" OF TIRE PLAC											
DEMOB	DEMOBILIZE EQUIPMENT	1	1	0	02SEP05	02SEP05	1	DEMOBILIZE EQ											

Project Start 31JAN05  
 Project Finish 02SEP05  
 Data Date 10MAY05  
 Plot Date 10MAY05

Early Bar  
 Float Bar  
 Progress Bar  
 Critical Activity

HLS

ERC GENERAL CONTRACTING SERVICES, IN  
 HILLSBOROUGH COUNTY LANDFILL SECT 8  
 Classic Schedule Layout

Sheet 1 of 1

Construction Progress  
 July 14



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 10, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05		
2C	Geomembrane Roll Certification	02776	5-4-05		
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 10, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4/29/05
12.2	CQC Consultant Qualifications	02220-C	5-5-05		
12.3	CQC Consultant Qualifications	02220-C	5-9-05		
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5-5-05		
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05		
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4/12/05	AR	4/19/05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4/12/05	NE	4/19/05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4/25/05	NE	4/29/05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: May 10, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
22	Topographic Survey	01050	4/25/05		
24	Borrow Source (Subbase) Cert. Letter	02221-C	5/5/05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## Request for Information LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 10, 2005

RFI Number	Description of RFI	Date Submitted	Date Returned	Comment
1	Request for Addition Work Days	1-26-05 2-2-05	1-31-05 2-4-05	ERC approved to work Sat 7:30 to 5:30 during Mass Excavation only
2	Interface Shear Testing	2-7-05	2-11-05	Returned – not applicable to this project
3	Request of 24-hr/7day per week access to dewatering pumps	2-15-05	2-21-05	Approved for maint. of pumps only
4 & 4.1	Change in Limits of Construction	2-22-05 3-1-05	3-15-05	Approved – refer to drawing
5	Topsoil requirements	2-22-05	3-15-05	ERC to test soils for nutrients; comply with maint. of grass
6 & 6.1	Request for Additional Work Hour Mon – Sat 7:00 a.m. to 6:00 p.m.	2-22-05 3-1-05	3-15-05	Approved if ERC pays for overtime
7	Sticks in Backfill	3-8-05	3-15-05	Amended Section 02220
8	Use of GCL	3-10-05	3-11-05	Approved is ERC pays for Engr, testing, etc
9	Request for Tri-axial testing waiver for Backfill	3-16-05	3-18-05	Testing Parameters supplied to ERC
9.1	Request for Tri-axial / Direct Shear Test waiver	3-22-05	3-25-05	Revised Testing Requirements
10	Settlement on sideslopes	3-28-05	4-05-05	Approved – See Response
11	Extended working Hours	3-29-05 4-4-05	4-05-05	Approved
12	Price Increase in HDPE Liner	4/27/05	4/29/05	Additional Information Requested
13	Fuel Price Increase	4/26/05	4/29/05	Additional Information Requested



## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: May 17, 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 15**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 15. The date was May 17, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 15  
a. Meeting Summary**

- 1) ERC to discuss the status of backfill in Section 8, the number of trucks proposed schedule for completion and hours of operation.
- 2) ERC indicated that Mega Force and Florida Trucking together need to have 24 trucks a day making 15 rounds each day to meet the new schedule of June 21, 2005 for the completion of the backfilling.
- 3) ERC indicated that they are going to try and have 30 to 35 trucks a day hauling backfill material from Shelly Mines. Every day the pit and the Section 8 excavation should be able to handle that amount.
- 4) Mega Force sent a letter to ERC on May 9, 2005 stating that within 7 days they would stop hauling backfill material to the Section 8 excavation if pit conditions did not change. Vaden Pollard from ERC said they have sent Mega Force a letter asking if they are still going to continue hauling backfill material from Shelly Mines. ERC indicated they have not received a response from Mega Force yet.



May 17, 2005

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- 5) ERC indicated that they sent Mega Force a letter every day by noon requesting to know how many trucks they are going to furnish for the next day.
- 6) ERC indicated that they need to know this information in the afternoon so they schedule the extra trucks needed from Florida Trucking to keep project on schedule.
- 7) ERC said that Mega Force trucks stop hauling sometimes early in the afternoon not taking advantage of the pit staying open until 5:30 pm.
- 8) ERC indicated that Florida Trucking sometimes gets 17 loads a day if they haul until 6:00 pm.
- 9) ERC said they are renting one more excavator to put at the pit to speed up loading trucks. ERC indicated that they will have 2 excavators loading trucks at Shelly Mines pit.
- 10) ERC indicated that they have also put one of their personnel at the pit issuing tickets to speed up trucks getting out of the pit.
- 11) SCS said that ERC has submitted a recovery plan dated May 12, 2005 stating that they need 24 trucks a day, 6 days a week for the remainder of the backfilling of the Section 8 excavation. ERC needs at least 360 loads a day.
- 12) SCS said that the recovery plan that ERC has submitted puts ERC back on schedule for the project.
- 13) County has told ERC that they need 11.1 percent minority participation for the project, however, they chose to meet that goal with trucking or some other minority contractors doing work on project.

**b. Unfinished business:**

- 1) SCS said that they have received a submittal from Burcaw Geotechnical Group, Inc. They will be doing the backfill testing for the Section 8 excavation.
- 2) SCS said that they have received a submittal from Faulkner Engineering. They will be the group doing the clay testing for the Section 8 excavation.
- 3) SCS indicated that they have received a letter from Faulkner stating that they will be signing off on lifts 2, 3, 4 and 5 of the backfill compaction test that they have taken on the Section 8 excavation.
- 4) SCS said that they have received the clay qualification test and will be reviewing it today. SCS will be returning it back to ERC today.
- 5) ERC said that they will be going to get new sample test on the drainage sand in the next few weeks and would let SCS know, so they could get their sample from the same area at the same time.



**2. Project Schedule (See Attached Schedule)**

**a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will continue backfilling of Section 8 excavation.
- 2) Backfill will be completed June 21.
- 3) Clay test pad and testing will be completed June 7.
- 4) Clay sub base 8 material will be completed July 11
- 5) HDPE liner system will be completed August 2
- 6) Import sand over liner will be completed August 12.
- 7) Liner testing will be completed August 25.
- 8) Tire placement will be completed September 2.
- 9) Demobilize equipment will be completed September 5.

**b. Progress and work activity projected for the week of 5/09/05 to 5/15/05:**

- 1) ERC will continue using the new sediment pond for their dewatering of Section 8.
- 2) ERC will continue with backfill of Section 8
- 3) ERC will continue compaction testing on backfill material placed in Section 8 in 1 ft. lifts.
- 4) ERC will have at least 24 trucks a day, making 15 round trips each a day from Shelly Mines to the Section 8 excavation to get project back on schedule.
- 5) ERC said that they will have the rim ditches backfilled by end of week.
- 6) SCS indicated that ERC needs at least 360 loads a day of backfill material placed in the Section 8 excavation to get back on schedule.

**c. ERC proposed working hours during this period**

ERC working hours are 7:30 am to 6:00 pm, 5 days a week. ERC indicated that they will be working on Saturday from 7.30 am till around 2.00.pm.when the pit closes.

**d. Subcontractors and/or materials expected onsite**

Mega Force is on site hauling backfill material for Section 8.

Burcaw is on site doing compaction testing on backfill.



Florida Trucking will also be hauling backfill material to the Section 8 excavation.

### **Engineers' Hours**

The Engineers' hours are 7:30 am to 6:00 pm, 5 days a week.

SCS indicated if ERC works on Saturday 7:30 am to 2:00 pm until pit closes, they will have someone on site for inspection.

### **3. Construction Conflict**

ERC indicated they are trying to rent a grader to help keep a slope on the backfill, so when it rains a lot the water will run off and not pool up making it harder to get material to dry up.

ERC indicated that to date that no conflicts have occurred with Waste Management where ERC and WMIF trucks cross each other pathway (adjacent to ERC laydown area).

### **4. Contractor's Submittals Status**

#### **a. Shop drawings**

- 1) See attached submittal log.

#### **b. RFI's (see Attached RFI Log)**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 submitted.
- 9) RFI #9 submitted.
  - 9.1) RFI #9.1 submitted. Engineers' comments returned to ERC.
- 10) RFI #10 submitted. Engineers' comments returned to ERC.
- 11) RFI #11 submitted. Submittal was approved by SCS.
- 12) RFI #12 submitted. Engineers requesting additional information.
- 13) RFI #13 submitted. Engineers requesting additional information.



**c. Submittals**

See attached submittal log.

**5. Contractor Issues**

ERC needs to get enough trucks from Mega Force and Florida Trucking to be able to get project back on schedule.

ERC indicated rain may become an issue as the project continues into the summer.

**6. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.
- c. The County told ERC that they need to check their health and safety plan to find out about their procedure of people working around equipment and trucks hauling backfill material into the Section 8 excavation.
- d. ERC indicated their personnel directing trucks in Section 8 excavation are wearing safety vests.

**7. Engineer's Issues**

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

Regarding the hardpan-No rock larger than 1" in diameter can be placed in backfill material in Section 8.

**8. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.



May 17, 2005

Page 6

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

#### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

#### **9. Other Issues**

None at this time.



Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float	2005											
								FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
SURVEY	PRE-TOPO SURVEY AND EARTHWORK	1	0	100	27JAN05A	03FEB05A		▼PRE-TOPO SURVEY AND EARTHWORK CALCULATIONS											
CLEARING	CLEAR AND GRUB	3	0	100	31JAN05A	02FEB05A		▼CLEAR AND GRUB											
DEWTERIN	DEWATERING SYSTEM INSTALLATION	5	0	100	31JAN05A	03FEB05A		▼DEWATERING SYSTEM INSTALLATION											
MOB	MOBIZE EQUIPMENT	4	0	100	31JAN05A	07FEB05A		▼MOBIZE EQUIPMENT											
DRAGLINE	EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS	67	0	100	01FEB05A	30MAR05A		▼EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS											
STOCKPILE	REMOVAL OF EXCAVATED MATERIALS	61	0	100	03FEB05A	30MAR05A		▼REMOVAL OF EXCAVATED MATERIALS											
FILL	183,616 CY to go, 7,062 CY/DAY, 24 TK'S@15 LD/DY	89	26	71	24MAR05A	21JUN05	0	▼183,616 CY to go, 7,062 CY/DAY, 24											
CLAYTEST	CLAY TEST PAD AND TESTING	9	9	0	26MAY05	07JUN05	64	▼CLAY TEST PAD											
CLAY	CLAY SUB BASE -5 MATERIAL, 500 CY/DAY LOOSE	17	17	0	17JUN05	11JUL05	0	▼CLAY SUB BASE -5 MATERIAL											
LINER	HDPE LINER SYSTEM	16	16	0	12JUL05	02AUG05	0	▼HDPE LINER SYSTEM											
SAND	IMPORT SAND OVER LINER	8	8	0	03AUG05	12AUG05	0	▼IMPORT SAND OVER L											
LINER	LINER TESTING	9	9	0	15AUG05	25AUG05	0	▼LINER TESTING											
TIRES	12" OF TIRE PLACEMENT	6	6	0	26AUG05	02SEP05	0	▼12" OF TIRE PLAC											
DEMOB	DEMOBILIZE EQUIPMENT	1	1	0	05SEP05	05SEP05	0	▼DEMOBILIZE EQ											

Project Start 31JAN05  
Project Finish 05SEP05  
Data Date 17MAY05  
Plot Date 17MAY05

Early Bar  
Float Bar  
Progress Bar  
Critical Activity

HIL8

ERC GENERAL CONTRACTING SERVICES, IN  
HILLSBOROUGH COUNTY LANDFILL SECT 8  
Classic Schedule Layout

Sheet 1 of 1

Construction Progress  
MEETING No 15.



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 17, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05	NE	5-12-05
2C	Geomembrane Roll Certification	02776	5-4-05	NE	5-12-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 17, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4/25/05	NE	4/29/05
12.2	CQC Consultant Qualifications	02220-C	5-5-05		
12.3	CQC Consultant Qualifications	02220-C	5-9-05		
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5/5/05		
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05		
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4/12/05	AR	4/19/05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4/12/05	NE	4/19/05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4/25/05	NE	4/29/05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: May 17, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
22	Topographic Survey	01050	4/25/05		
24	Borrow Source (Subbase) Cert. Letter	02221-C	5/5/05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## Request for Information LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: May 17, 2005

RFI Number	Description of RFI	Date Submitted	Date Returned	Comment
1	Request for Addition Work Days	1-26-05 2-2-05	1-31-05 2-4-05	ERC approved to work Sat 7:30 to 5:30 during Mass Excavation only
2	Interface Shear Testing	2-7-05	2-11-05	Returned – not applicable to this project
3	Request of 24-hr/7day per week access to dewatering pumps	2-15-05	2-21-05	Approved for maint. of pumps only
4 & 4.1	Change in Limits of Construction	2-22-05 3-1-05	3-15-05	Approved – refer to drawing
5	Topsoil requirements	2-22-05	3-15-05	ERC to test soils for nutrients; comply with maint. of grass
6 & 6.1	Request for Additional Work Hour Mon – Sat 7:00 a.m. to 6:00 p.m.	2-22-05 3-1-05	3-15-05	Approved if ERC pays for overtime
7	Sticks in Backfill	3-8-05	3-15-05	Amended Section 02220
8	Use of GCL	3-10-05	3-11-05	Approved is ERC pays for Engr, testing, etc
9	Request for Tri-axial testing waiver for Backfill	3-16-05	3-18-05	Testing Parameters supplied to ERC
9.1	Request for Tri-axial / Direct Shear Test waiver	3-22-05	3-25-05	Revised Testing Requirements
10	Settlement on sideslopes	3-28-05	4-05-05	Approved – See Response
11	Extended working Hours	3-29-05 4-4-05	4-05-05	Approved
12	Price Increase in HDPE Liner	4/27/05	4/29/05	Additional Information Requested
13	Fuel Price Increase	4/26/05	4/29/05	Additional Information Requested



**SCS ENGINEERS****SUMMARY OF ACTIVITIES, MAY 16, 2005 TO JUNE 19, 2005**

On behalf of the Hillsborough County Solid Waste Management Department (County), SCS Engineers (SCS) is submitting the attached monthly summary of the construction activities for May 16, 2005 to June 19, 2005 conducted for the above referenced project.

**PROJECT OVERVIEW**

- Notice-to-Proceed for the project was established as January 31, 2005.
- Substantial Completion of the project was established as September 2, 2005.
- Final Completion of the project was established as October 2, 2005.

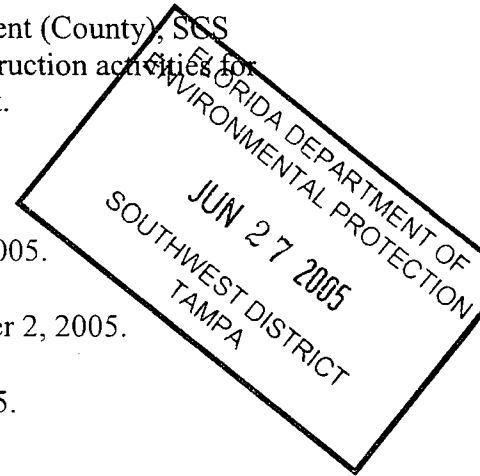
**PROJECTED SCHEDULE (See Attachment A)**

- Backfill and compaction of general fill was scheduled to begin on March 24. Backfilling of Section 8 began on March 29, 2005. Backfill scheduled to be completed by July 12, 2005.
- Placement of subbase soils scheduled to begin about July 12, 2005.
- Placement of Geosynthetic materials scheduled to begin about August 1, 2005.
- Placement of protective cover soils scheduled to begin about August 23, 2005.
- Leak integrity testing of the bottom liner system scheduled to begin about September 2, 2005.
- Placement of tire chips scheduled to begin about September 14, 2005.
- ERC scheduled to demobilize by September 22, 2005.

Please refer to the Weekly Summary Reports, contained in Attachment B, for a daily listing of activities, submittal logs, and representative construction photographs.

As of June 19, 2005 the following activities were occurring:

- ERC continuing backfilling and proof rolling the Backfill soils in the Section 8 capacity expansion area.
- ERC is continuing using new sediment pond for dewatering of Section 8.





## **SUMMARY OF SUBMITTALS/CHANGE ORDERS**

Attached to the Weekly Summary Reports, contained in Attachment B, is a list of submittals reviewed to-date by SCS for the project.

No major changes to the project permit specifications or drawings to report this period.

## **CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS**

Attachment C contains summary reports for the following Construction Progress Meetings;

Construction Progress Meeting Number 16 –May 16, 2005

Construction Progress Meeting Number 17 –May 23, 2005

Construction Progress Meeting Number 18 –May 30, 2005

Construction Progress Meeting Number 19 –June 6, 2005

Construction Progress Meeting Number 20 –June 13, 2005

## **PHOTOGRAPHS**

Photographs that are representative of the construction activities conducted during this report period are shown in the Weekly Summary Reports contained in Attachment B.



**ATTACHMENT A**  
**Construction Progress Schedule**



Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float	<div> <div>2005</div> <div> <div>FEB</div> <div>MAR</div> <div>APR</div> <div>MAY</div> <div>JUN</div> <div>JUL</div> <div>AUG</div> <div>SEP</div> <div>OCT</div> <div>NOV</div> </div> </div>																											
SURVEY	PRE-TOPO SURVEY AND EARTHWORK	1	0	100	27JAN05A	03FEB05A		<div> <div>31</div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
LEARNING	CLEAR AND GRUB	3	0	100	31JAN05A	02FEB05A		<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
DEWATERING	DEWATERING SYSTEM INSTALLATION	5	0	100	31JAN05A	03FEB05A		<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
MOB	MOBIZE EQUIPMENT	4	0	100	31JAN05A	07FEB05A		<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
DRAGLINE	EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS	67	0	100	01FEB05A	30MAR05A		<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
STOCKPILE	REMOVAL OF EXCAVATED MATERIALS	61	0	100	03FEB05A	30MAR05A		<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
FILL	121,563 CY to go, 7,488 CY/DAY, 26 TK'S @ 16 LD/DY	69	16	82	24MAR05A	12JUL05	1	<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
CLAYTEST	CLAY TEST PAD AND TESTING	9	9	0	23JUN05	05JUL05	58	<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
CLAY	CLAY SUB BASE -5 MATERIAL, 500 CY/DAY LOOSE	15	14	7	12JUL05	29JUL05	1	<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
LINER	HDPE LINER SYSTEM	16	16	0	01AUG05	22AUG05	1	<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
SAND	PLACE STOCKPILED SAND OVER LINER	8	8	0	23AUG05	01SEP05	1	<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
LINER	LINER TESTING	9	8	11	02SEP05	13SEP05	1	<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
TIRES	12" OF TIRE PLACEMENT	6	6	0	14SEP05	21SEP05	1	<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											
DEMOB	DEMOLIZE EQUIPMENT	1	1	0	22SEP05	22SEP05	1	<div> <div>7</div> <div>14</div> <div>21</div> <div>28</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>2</div> <div>9</div> <div>16</div> <div>23</div> <div>30</div> <div>6</div> <div>13</div> <div>20</div> <div>27</div> <div>4</div> <div>11</div> <div>18</div> <div>25</div> <div>1</div> <div>8</div> <div>15</div> <div>22</div> <div>29</div> <div>5</div> <div>12</div> <div>19</div> <div>26</div> <div>3</div> <div>10</div> <div>17</div> <div>24</div> <div>31</div> <div>7</div> <div>14</div> </div>																											

Project Start	31JAN05		Early Bar	HIL6
Project Finish	22SEP05		Float Bar	
ite	21JUN05		Progress Bar	
Plow rate	20JUN05		Critical Activity	

(c) Primavera Systems, Inc.

ERC GENERAL CONTRACTING SERVICES, IN  
HILLSBOROUGH COUNTY LANDFILL, SECT 6  
Classic Schedule Layout

Sheet 1 of 1

6/21/05 Week #20



**ATTACHMENT B**  
**Weekly Summary Reports**



**SCS ENGINEERS**

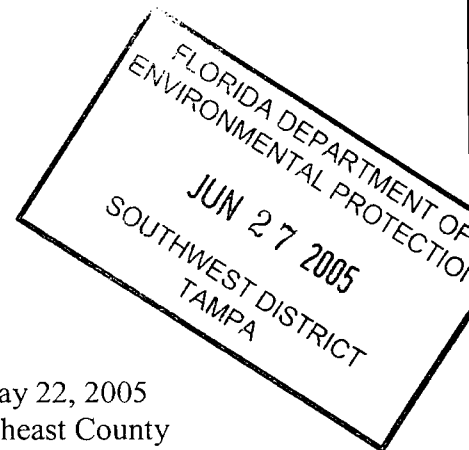
May 16, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 16 Week of May 16 through May 22, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. May 16 (Monday) – ERC continuing backfilling of the Section 8 excavation. Burcaw Geotechnical Group, Inc. on site taking compaction test lift 6.
2. May 17 (Tuesday) – Construction Progress Meeting Number 16. ERC continuing backfilling of Section 8 excavation.
3. May 18 (Wednesday) – ERC working on drying up backfill in Section 8 due to rain on Tuesday night.
4. May 19 (Thursday)- ERC continuing backfilling of Section 8 excavation.
5. May 20 (Friday) – ERC continuing backfilling of Section 8 excavation.
6. May 21 (Saturday) – ERC not working on Section 8 today. ERC working at Shelly Mines pit getting material stockpiled for Monday.
7. May 22 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.





2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #16 to be held May 24, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 22, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05	NE	5-12-05
2C	Geomembrane Roll Certification	02776	5-4-05	NE	5-12-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 22, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4-29-05
12.2	CQC Consultant Qualifications	02220-C	5-5-05	NE-See Engr Note	5-20-05
12.3	CQC Consultant Qualifications	02220-C	5-9-05	NE-See Engr Note	5-20-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5-5-05	AR-See Engr Note	5-20-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05	Not Reviewed	5-20-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05	NE	4-29-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: May 22, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
22	Topographic Survey	01050	4-25-05	NE-See Engr Note	5-20-05
24	Borrow Source (Subbase) Cert. Letter	02221-C	5-5-05	NE-See Engr Note	5-20-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** May 16, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Section 8 — ERC backfilling Lift #7 - South facing Northeast.

---

Photograph No.



**Date:** May 16, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Section 7 — Southwest facing Northeast. ERC placing Lift #7.





Photograph No. 3



**Date:** May 16, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Section 8 — Southwest facing Northeast. ERC placing Lift #7.

---

Photograph No. 4



**Date:** May 16, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Section 8 — Southwest facing North. ERC placing Lift #7.



Photograph No. 5



**Date:** May 20, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing on the Southeast corner of the Section 8 excavation, looking to the Northeast corner. Shows Rim ditch flowing water to the Northeast corner where it is being pumped out into the Sediment Pond just North of the Section 8 excavation.

---

Photograph No. 6



**Date:** May 20, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows ERC working on backfilling Rim ditch in Lift #8 of the Section 8 excavation.



Photograph No. 7



**Date:** May 19, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows ERC diking up backfill material in the Section 8 excavation trying to dry up Lift #7 so they can place more backfill material.

---

Photograph No. 8



**Date:** May 19, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows ERC working on drying up backfill material on Lift #7.



Photograph No. 9



**Date:** May 18, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Water standing along the South edge of the Section 8 excavation.

---

Photograph No. 10



**Date:** May 18, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC working on Rim ditch draining water off the Section 8 excavation after rain.



Photograph No. 11



**Date:** May 17, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southeast corner of the Section 8 excavation looking to the Northeast corner across the Section 8 excavation. ERC working on placing Lift #7.

---

Photograph No. 12



**Date:** May 17, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing the Southeast corner of the Section 8 excavation, looking to the North across the Section 8 excavation. Shows ERC working on placing backfill on #7.



Photograph No. 11



**Date:** May 17, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southeast corner of the Section 8 excavation looking to the Northeast corner across the Section 8 excavation. ERC working on placing Lift #7.

---

Photograph No. 12



**Date:** May 17, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southeast corner of the Section 8 excavation, looking to the North across the Section 8 excavation. Shows ERC working on placing backfill on #7.



**SCS ENGINEERS**

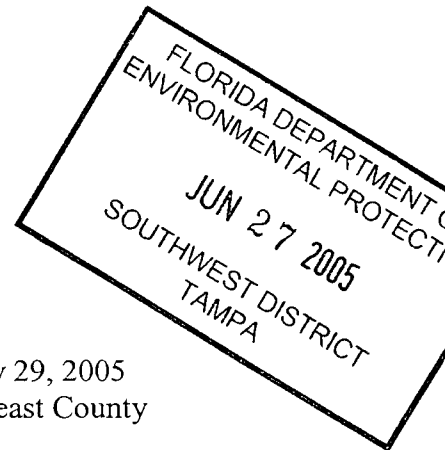
May 23, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 17 Week of May 23 through May 29, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. May 23 (Monday) – ERC continuing backfilling of the Section 8 excavation.
2. May 24 (Tuesday) – Construction Progress Meeting Number 16. ERC continuing backfilling of Section 8 excavation. Burcaw Geotechnical Group, Inc. on site taking compaction test lift number 8.
3. May 25 (Wednesday) – ERC continued to backfill Section 8 excavation.
4. May 26 (Thursday) – ERC building haul roads and continuing backfilling of Section 8 excavation.
5. May 27 (Friday) – ERC continuing backfilling of Section 8 excavation. Burcaw Geotechnical Group, Inc. on site taking compaction test lift number 8 and 9.
6. May 28 (Saturday) – ERC continuing backfilling of Section 8 excavation.
7. May 29 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.





2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #17 to be held May 31, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 29, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05	NE	5-12-05
2C	Geomembrane Roll Certification	02776	5-4-05	NE	5-12-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: May 29, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4-29-05
12.2	CQC Consultant Qualifications	02220-C	5-5-05	NE-See Engr Note	5-20-05
12.3	CQC Consultant Qualifications	02220-C	5-9-05	NE-See Engr Note	5-20-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5-5-05	AR-See Engr Note	5-20-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05	Not Reviewed	5-20-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05	NE	4-29-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
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## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: May 29, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
22	Topographic Survey	01050	4-25-05	NE-See Engr Note	5-20-05
24	Borrow Source (Subbase) Cert. Letter	02221-C	5-5-05	NE-See Engr Note	5-20-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** May 23, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northwest corner of the Section 8 excavation looking to the Southeast corner. Shows ERC working on Lift #8.

---

Photograph No.



**Date:** May 23, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northwest corner of the Section 8 excavation looking across to the Northeast corner. Shows ERC working on Lift #8.



Photograph No. 3



**Date:** May 23, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northeast corner of the Section 8 excavation looking to the Southeast corner along Rim ditch.

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Photograph No. 4



**Date:** May 23, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northeast corner of the Section 8 excavation looking to the South. Shows ERC working on Lift #8.



Photograph No. 5



**Date:** May 24, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Southeast corner facing Northeast. Backfilling Lift #8.

---

Photograph No. 6



**Date:** May 24, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Northeast corner facing Southwest. ERC backfilling Lift #8.



Photograph No. 7



**Date:** May 24, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Northwest corner facing Southeast. ERC backfilling Lift #8.

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Photograph No. 8



**Date:** May 24, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Southwest corner facing Northeast. ERC backfilling Lift #8.



Photograph No. 9



**Date:** May 25, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Southwest corner facing Northeast. ERC backfilling Lift #8.

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Photograph No. 10



**Date:** May 25, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Southeast corner facing Northwest. ERC backfilling Lift #8.



Photograph No. 11



**Date:** May 25, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Southwest corner facing Northeast. ERC backfilling Lift #8.

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Photograph No. 12



**Date:** May 25, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Northwest corner facing Southeast. ERC backfilling and compacting Lift #8.



Photograph No. 13



**Date:** May 27, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Southwest corner facing Northeast. ERC backfilling Lift #9.

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Photograph No. 14



**Date:** May 27, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Northwest corner facing Southeast. ERC backfilling Lift #9.



Photograph No. 15



**Date:** May 27, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Northeast corner facing Southwest. ERC backfilling Lift #9.

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Photograph No. 16



**Date:** May 27, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Southeast corner facing Northwest. ERC backfilling Lift #9.



**SCS ENGINEERS**

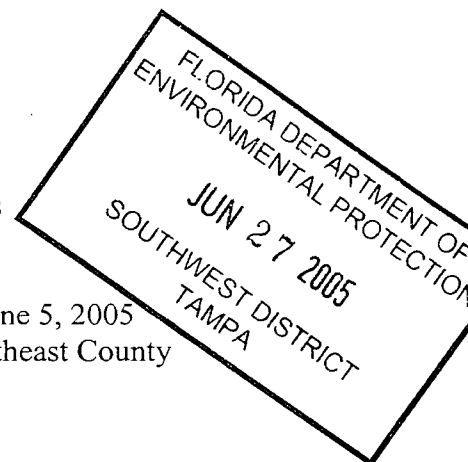
May 30, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 18 Week of May 30 through June 5, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. May 30 (Monday) – No work completed (Memorial Day) as per permit requirements. Shelly Mines pit closed.
2. May 31 (Tuesday) – No work completed due to weather. Shelly Mines pit closed.
3. June 1 (Wednesday) – No work completed due to weather. Shelly Mines pit closed.
4. June 2 (Thursday) - No work completed due to weather. Shelly Mines pit closed.
5. June 3 (Friday) – No work completed due to weather. Shelly Mines pit closed.
6. June 4 (Saturday) – No work completed due to weather. Shelly Mines pit closed.
7. June 5 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.





**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #17 to be held June 7, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: June 5, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05	NE	5-12-05
2C	Geomembrane Roll Certification	02776	5-4-05	NE	5-12-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: June 5, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4-29-05
12.2	CQC Consultant Qualifications	02220-C	5-5-05	NE-See Engr Note	5-20-05
12.3	CQC Consultant Qualifications	02220-C	5-9-05	NE-See Engr Note	5-20-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5-5-05	AR-See Engr Note	5-20-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05	Not Reviewed	5-20-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18C	Soil / Geocomposite Interface Shear Test	09230	5-31-05	AR	
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: June 5, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
21	HDPE Roll Allocation Test	02776	4-25-05	NE	4-29-05
22	Topographic Survey	01050	4-25-05	NE-See Engr Note	5-20-05
24	Borrow Source (Subbase) Cert. Letter	02221-C	5-5-05	NE-See Engr Note	5-20-05
25	Direct Shear Test Substitution for the Triaxial Test	02220	6-1-05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** Undated    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC working on Lift #8 in the Section 8 excavation.

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Photograph No.



**Date:** Undated    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC working on Lift #8 in the Section 8 excavation.



Photograph No. 3



**Date:** Undated    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows water standing on Lift #8 of the Section 8 excavation after rain.

---

Photograph No. 4



**Date:** Undated    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC working on drawing water off material in the Section 8 excavation.





Photograph No. 5



**Date:** Undated    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Water standing in the Section 8 excavation after rain.

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Photograph No. 6



**Date:** Undated    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** ERC working on Rim ditch trying to get water to run off of the Section 8 excavation.





Photograph No. 7



**Date:** Undated    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northeast corner of the Section 8 excavation looking to the Southeast corner along Rim ditch.

---

Photograph No. 8



**Date:** Undated    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Pit at Shelly Mines after rain. Shows the pit road in fair condition. Trucks not running.



Photograph No. 9



**Date:** Undated

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** ERC working on drying up material in the Section 8 excavation.

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Photograph No. 10



**Date:** Undated

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** ERC working on drying up material in the Section 8 excavation.



**SCS ENGINEERS**

June 6, 2005

File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 19 Week of June 6 through June 12, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

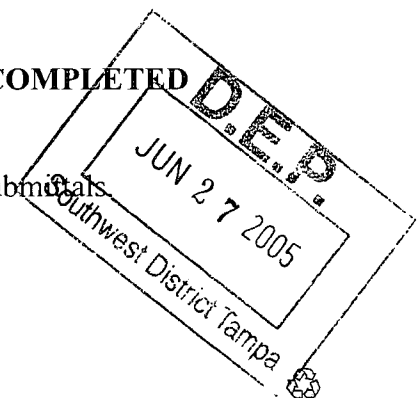
1. June 6 (Monday) – ERC not working today due to wet conditions on site.
2. June 7 (Tuesday) – ERC continuing backfilling of Section 8 excavation. ERC working on lift #9 of the Section 8 excavation.
3. June 8 (Wednesday) – ERC continuing with backfilling of the Section 8 excavation.
4. June 9 (Thursday) – ERC not working today due to the pit conditions at Shelly Mines trucks can not get in or out of pit.
5. June 10 (Friday) – ERC continuing backfilling of Section 8 excavation.
6. June 11 (Saturday) – ERC not working on Section 8 today. ERC working at Shelly Mines pit getting material stockpiled for Monday.
7. June 12 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals





Memorandum to Larry E. Ruiz

Weekly Summary – Week of June 6 through June 12, 2005

Page 2

2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #20 to be held June 14, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: June 12, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05	NE	5-12-05
2C	Geomembrane Roll Certification	02776	5-4-05	NE	5-12-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: June 12, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4-29-05
12.2	CQC Consultant Qualifications	02220-C	5-5-05	NE-See Engr Note	5-20-05
12.3	CQC Consultant Qualifications	02220-C	5-9-05	NE-See Engr Note	5-20-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5-5-05	AR-See Engr Note	5-20-05
13.1B	Report of Field Density	02220	6-10-05		
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05	Not Reviewed	5-20-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18C	Soil / Geocomposite Interface Shear Test	09230	5-31-05		
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: June 12, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05	NE	4-29-05
22	Topographic Survey	01050	4-25-05	NE-See Engr Note	5-20-05
24	Borrow Source (Subbase) Cert. Letter	02221-C	5-5-05	NE-See Engr Note	5-20-05
25	Direct Shear Test Substitution for the Triaxial Test	02220	6-1-05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** June 6, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northeast corner of the Section 8 excavation looking to the Southwest corner. Shows ERC working on disking up wet area so material can be placed in that area.

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Photograph No.



**Date:** June 6, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northwest corner of the Section 8 excavation, looking to the Southwest corner. Shows material placed in Lift #8.



Photograph No. 3



**Date:** June 6, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Northwest corner of the Section 8 excavation. Shows ERC working on drying up wet areas in the Section 8 excavation.

---

Photograph No. 4



**Date:** June 6, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Northwest corner of the Section 8 excavation looking across to the Southeast corner. Shows ERC disking up wet area of the Section 8 excavation.



Photograph No. 5



**Date:** June 7, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Northwest corner of the Section 8 looking to the Southwest corner. This area that is stacked will be graded to elevation 130, as per drawing.

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Photograph No. 6



**Date:** June 7, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Northwest corner of the Section 8 looking to the Southeast corner. Shows ERC working on Lift #8.



Photograph No. 7



**Date:** June 7, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northeast corner of the Section 8 excavation looking to the Northwest side. Shows material placed on Lift #8.

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Photograph No. 8



**Date:** June 7, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northeast corner of the Section 8 excavation looking to the Southwest corner. Shows ERC working on Lift #8.



Photograph No. 9



**Date:** June 8, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southwest corner of the Section 8 excavation looking to the North. Shows ERC placing Lift #9 in the Section 8 excavation.

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Photograph No. 10



**Date:** June 8, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southeast corner of the Section 8 excavation, looking to the Northwest corner. Shows ERC working on Lift #9.



Photograph No. 11



**Date:** June 9, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southeast corner of the Section 8 excavation looking to the Northeast corner across the Section 8 excavation. Shows material that was placed in Lift #9.

---

Photograph No. 12



**Date:** June 9, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southwest corner of the Section 8 excavation looking to the Northwest corner. Shows ERC placing Lift #9 along the West side of the Section 8 excavation.



Photograph No. 13



**Date:** June 10, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southwest corner of the Section 8 excavation looking to the Northwest corner. Shows ERC working on drying up material in the Section 8 excavation.

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Photograph No. 14



**Date:** June 10, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southwest corner of the Section 8 excavation looking to the North across the Section 8 excavation. Shows ERC working on drying up material in the Section 8 excavation, trying to make a road that trucks can run on.



Photograph No. 15



**Date:** June 11, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southwest corner looking to the Northwest corner of the Section 8 excavation. Shows standing water after rain.

Photograph No. 16



**Date:** June 11, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southwest corner of the Section 8 excavation looking to the Northeast corner. Shows standing water in the Section 8 excavation.



Photograph No. 17



**Date:** June 11, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing water in the Section 8 excavation.

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Photograph No. 18



**Date:** June 11, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southwest corner of the Section 8 excavation looking to the Northwest corner. Shows Lift #9.



**SCS ENGINEERS**

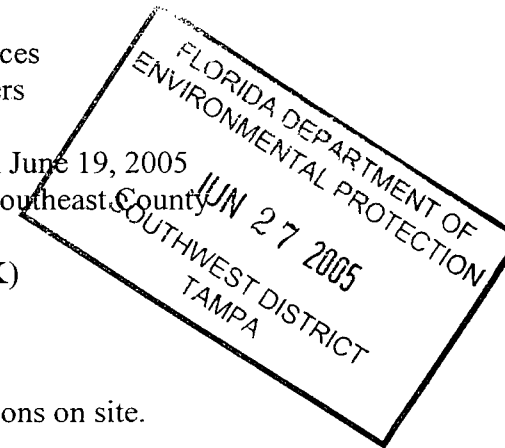
June 13, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 20 Week of June 13 through June 19, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. June 13 (Monday) – ERC not working today due to wet conditions on site.
2. June 14 (Tuesday) – ERC continuing backfilling of Section 8 excavation. ERC working on lift #9 of the Section 8 excavation.
3. June 15 (Wednesday) – ERC continuing with backfilling of the Section 8 excavation. Burcaw Geotechnical Group, Inc on site taking compaction test on lift #9 of the Section 8 backfill.
4. June 16 (Thursday) – ERC continuing backfilling of the Section 8 excavation.
5. June 17 (Friday) – ERC continuing backfilling of Section 8 excavation. ERC working on lift #9 of the Section 8 excavation.
6. June 18 (Saturday) – ERC continuing backfilling of the Section 8 excavation.
7. June 19 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.





2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #21 to be held June 21, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: June 19, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05	NE	5-12-05
2C	Geomembrane Roll Certification	02776	5-4-05	NE	5-12-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: June 19, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4-29-05
12.2	CQC Consultant Qualifications	02220-C	5-5-05	NE-See Engr Note	5-20-05
12.3	CQC Consultant Qualifications	02220-C	5-9-05	NE-See Engr Note	5-20-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5-5-05	AR-See Engr Note	5-20-05
13.1B	Report of Field Density	02220	6-10-05	NE	6-13-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full.	01050	5-2-05	Not Reviewed	5-20-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18C	Soil / Geocomposite Interface Shear Test	09230	5-31-05	AR	6-13-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: June 19, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05	NE	4-29-05
22	Topographic Survey	01050	4-25-05	NE-See Engr Note	5-20-05
24	Borrow Source (Subbase) Cert. Letter	02221-C	5-5-05	NE-See Engr Note	5-20-05
25	Direct Shear Test Substitution for the Triaxial Test	02220	6-1-05	AR	6-13-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** June 13, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northwest corner of the Section 8 excavation looking to the South. Water standing on backfill material after rain.

Photograph No. 2



**Date:** June 13, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northwest corner of the Section 8 excavation looking to the East side of the Section 8 excavation. Shows water standing on the Section 8 excavation.



Photograph #3



**Date:** June 13, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northeast corner of the Section 8 excavation, looking to the Southeast corner. Shows ERC working on Lift #9.

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Photograph #4



**Date:** June 13, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northeast corner of the Section 8 excavation looking to the Southwest corner of the Section 8 excavation. Shows water on backfill material.



Photograph #5



**Date:** June 14, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southeast corner of the Section 8 excavation. Shows backfill material placed in the Section 8 excavation, Lift #9.

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Photograph #6



**Date:** June 14, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southeast corner of the Section 8 excavation looking to the North across Section 8. Shows Lift #9 being placed in Section 8.



Photograph #7



**Date:** June 14, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in Southwest corner of the Section 8 excavation. Shows ERC working on Lift #9.

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Photograph #8



**Date:** June 15, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southwest corner of the Section 8 excavation looking to the Northwest corner. Shows Lift #9 being placed along the West side of the Section 8 excavation.



Photograph #9



**Date:** June 15, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Southwest corner of the Section 8 excavation looking to the North shows material placed in Lift #9.

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Photograph #10



**Date:** June 15, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Southeast corner of the Section 8 excavation looking to the Northeast corner. Shows material placed in Lift #9.



Photograph #11



**Date:** June 15, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Southeast corner of the Section 8 excavation, looking to the North side. Shows material being placed in Lift #9.

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Photograph #12



**Date:** June 16, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Northwest corner of the Section 8 looking to the Southwest corner. Shows ERC starting on Lift #10 in the area that will go up to elevation 130.



Photograph #13



**Date:** June 16, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Northwest corner of the Section 8 excavation looking to the Southeast corner. Shows Lift #9 that was placed in the Section 8 excavation.

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Photograph #14



**Date:** June 16, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Northeast corner of the Section 8 excavation looking to the Southeast corner. Shows material that was placed in the Section 8 excavation on Lift #9.



Photograph #15



**Date:** June 16, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Northeast corner of the Section 8 excavation, looking to the Southwest corner of the Section 8 excavation. Shows Lift #9 placed in the Section 8 excavation.

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Photograph #16



**Date:** June 17, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the Southwest corner of the Section 8 excavation looking to the Northwest corner. Shows ERC working on Lift #10 in the area along West side that goes to elevation 130.



Photograph #17



**Date:** June 17, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Northwest corner of the Section 8 excavation looking to the Southeast corner. Shows ERC working on Lift #10 in the final lift on the area along West side of the Section 8 that goes to elevation 130.

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Photograph #18



**Date:** June 17, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Northwest area of the Section 8 excavation looking across to the Southeast corner. Shows material placed in the Section 8, Lift #9.



Photograph #19



**Date:** June 17, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Northeast corner of the Section 8 looking across to the Southwest corner. Shows ERC working on Lift #9.

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Photograph #20



**Date:** June 18, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Southeast corner of the Section 8 looking to the Northeast corner across the Section 8 excavation. Shows ERC placing Lift #9.



Photograph #21



**Date:** June 16, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the Southeast corner of the Section 8 excavation looking to the North across the Section 8 excavation. Shows Lift #9 that was placed in the Section 8 excavation.



**ATTACHMENT C**  
**Construction Progress Meeting Summary Reports**



**SCS ENGINEERS****HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: May 24, 2005 Time: 9:20 am****WEEKLY CONSTRUCTION PROGRESS MEETING No. 16****MEETING SUMMARY - FINAL****(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 16. The date was May 24, 2005. The start time was approximately 9:20 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 16****a. Meeting Summary**

- 1) ERC discussed the status of backfill in Section 8, the number of trucks proposed schedule for completion and hours of operation. ERC stated that yesterday they had a total of 22 trucks running and made a total of 289 loads. SCS commented that this amount of loads did not meet the 360 load count as proposed to meet the backfilling, schedule. ERC stated that they have been in the process of reworking the Shelly Lakes Mine borrow pit to increase daily load counts. They also stated they now had two excavators, and two articulating off road trucks working the pit to increase production. In addition, they stated they were only able to handle 23 trucks at this time and were trying to make improvements to handle 33 trucks. ERC also stated that Florida Trucking was in the process of locating additional trucks to increase hauling.
- 2) SCS asked for clarification the status of Mega Force Trucking. ERC stated that they had not been responsive to ERC's written request to commit to a specific number of trucks to the project on a daily basis, since last Tuesday (or May 17<sup>th</sup>). Since Tuesday (May 17<sup>th</sup>), ERC indicated that Megaforce was apparently no longer providing trucks for the job. ERC



also stated they had stopped sending Megaforce written requests for trucks. ERC stated that part of the problem with Mega Force was that they would not commit to a specific number of trucks prior to each afternoon. ERC stated they would request the trucks needed each afternoon in writing and Mega Force would only guarantee five trucks since Megaforce did not know the exact number of trucks until later in the day. ERC in additionally stated that they had discussed with Mega Force the need to know the exact amount of trucks Mega Force could commit to the project each afternoon, so they schedule other trucking companies to supply the additional trucks to keep up production. ERC also stated that on occasion, twenty extra Mega Force trucks, in addition to the trucks committed and supplied by Florida Trucking, would show the next morning causing additional complications in operations at the pit. ERC further stated that they had written a letter asking Mega Force to clarify whether they were going to no longer supply trucks to the project and there has been no response. SCS then stated that they had been copied a letter dated May 9<sup>th</sup> concerning Mega Force intention to stop hauling within seven days and SCS indicated that they would like to be copied on any other correspondence.

SCS then asked ERC for clarification concerning Mega Force being their primary MBE contractor for the job, and for the record wished to know what plans ERC had for fulfilling this contract obligation with the loss of Mega Force. ERC stated that they had been in the process of contacting all the local minority haulers in the area and had no other MBE trucking firms have responded for ERC's efforts. ERC further stated that Mega Trucking had cost them additional money and time on there schedule and that a minority replacement would have to sign a contract and be able to provide the needed amount of trucks to keep up the schedule. ERC in addition stated that they had been diligently trying to get another minority trucking contractor on site, but there had been no response, and that ERC would provide proof of their efforts. A discussion was held concerning if there was a County list of minority trucking firms. ERC confirmed that there was a list and that they had contacted at least eight firms on the list without a response.

SCS then discussed the amount of contract dollars that had been spent so far on the contract for minority trucking and asked ERC to verify the total amount spent to date on MBE participation as listed in the contract. SCS further requested a plan on how ERC planned on meeting the MBE participation requirement in the contract. Another brief discussion was held concerning other line items on the contract where the use of a



minority contractor could possibly fulfill the contract requirements. SCS and the County recommended that ERC work directly with the County MBE board to work out the requirements for achieving the minority contract requirements. In addition, SCS requested that they be kept up to date on the matter with correspondence.

SCS discussed the recovery schedule that was submitted by ERC and pointed out that the daily load counts identified on the schedule were falling short of those needed to achieve the schedule completion date for backfilling. SCS stated that the recovery schedule called for 24 trucks making 15 loads per day, and further stated that there maybe a need to submit a new recovery schedule and plan as daily load counts were not meeting the yardage needed to complete the backfill process by the date referenced on the recovery schedule. In addition, SCS stated that the recovery plan should not be tied to negotiations with the MBE Department. ERC disagreed and stated that it would have to be tied to negotiations with the MBE Department since minority trucking was the primary source of MBE participation on ERC bid. Further discussion was held concerning the recovery plan, minority participation, and trucking issues. Based upon the schedule submitted by ERC during this progress meeting and based upon ERC's commitment to provide the number of trucks and delivery of backfill, both SCS and the County agreed that a revised recovery schedule was not needed at this time. A revised schedule was not required since the time projected by ERC on the latest schedule to complete the project was within the contract time. SCS did state that if the number of trucks and truck loads did not meet the submitted schedule, then a new recovery schedule would be required.

- 3) Correspondence letters between ERC and Mega Force were discussed. SCS requested to be copied on this correspondence.
- 4) The number of trucks available from Mega Force, prior to last Tuesday (May 17<sup>th</sup>) when Mega Force stopped hauling was discussed. ERC again stated that Mega Force could only commit to 5 trucks each afternoon prior to the next days hauling.
- 5) During last week's meeting, a discussion regarding Mega Force trucks leaving early prior to closure of the pit was discussed. ERC again restated that this was issue with continued use of Mega Force since they could not delivery the number of loads required to meet the project schedule.



WEEKLY CONSTRUCTION PROGRESS MEETING No. 16

May 24, 2005

Page 4

- 6) SCS inquired about the amount of trucks Florida Trucking was providing. ERC stated that they were providing 23 trucks at this time and were gearing up to provide 33 with the assistance of Urban Trucking.
- 7) SCS inquired about additional equipment at the Shelly Lakes Mine Pit. ERC confirmed that they had mobilized an additional excavator and two off road trucks to the pit to increase production. A discussion was held concerning testing of drainage sand that would be used for the project from the pit. SCS requested to be notified after preliminary testing was completed by ERC, so SCS could retrieve a sample for QA testing.
- 8) ERC confirmed that they did have one of employee issuing tickets at the borrow site to speed up the trucking.
- 9) Items number 10, 11, and 12 on the agenda, concerning the recovery plan and minority participation had been previously discussed.

**b. Unfinished business:**

- 1) SCS confirmed they have received a submittal from Burcaw Geotechnical Group, Inc concerning density testing on the backfill material and it was reviewed and returned to ERC not as approved
- 2) SCS acknowledged receiving Faulkner Engineering qualifications was returned approved.
- 3) SCS acknowledged receiving Faulkner Engineering submittal for backfill testing and it was returned to ERC approved as noted for lifts 2,3,4,5 with exception of one page where the test numbers were wrong according to the test log. ERC stated they would resubmit that page.
- 4) SCS confirmed receiving the submittal for clay borrow site qualification testing from Faulkner. SCS stated that it was reviewed and returned to ERC as approved. SCS suggested that ERC determine the how many permeability testing machines Faulkner's lab had for testing the clay soil samples. SCS would to make sure that Faulkner could keep up with the testing demands of the project. In addition, SCS commented that one of the clay tests passed with minimum values, most likely due to moisture content and stated the clay would probably have to be placed wet of optimum moisture to achieve the needed results.



- 5) SCS commented that a new round of testing on the drainage sand was required since the prior source was no longer available, and requested ERC notify them when they were ready for QA testing.

## **2. Project Schedule**

### **a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will continue backfilling of Section 8 excavation.
- 2) Backfill will be completed June 27. A discussion was held concerning the amount of fill that had been placed. ERC stated they would perform surveying after the meeting to determine elevation of fill.
- 3) Clay test pad and testing will be completed June 1. A discussion was held concerning placement of the test pad and SCS requested to be notified prior to placement.
- 4) Clay sub base material will be completed July 15.
- 5) HDPE liner system will be completed August 6.
- 6) Import sand over liner will be completed August 18.
- 7) Liner testing will be completed August 31.
- 8) Tire placement will be completed September 8.
- 9) ERC projected to demobilize equipment will be completed September. 9.

### **b. Progress and work activity projected for the week of 5/23/05 to 5/28/05:**

- 1) ERC will continue using the new sediment pond for their dewatering of Section 8.
- 2) ERC will continue with backfill of Section 8
- 3) ERC will continue compaction testing on backfill material placed in Section 8 in 1 ft. lifts.
- 4) ERC will have at least 24 trucks a day, making 15 round trips each a day from Shelly Lakes Mines to the Section 8 excavation to get project back on schedule.
- 5) ERC said that they will have the rim ditches backfilled by end of week.
- 6) SCS says that ERC needs at least 360 loads a day of backfill material placed in the Section 8 excavation to get back on schedule.

### **c. ERC proposed working hours during this period**

ERC working hours are 7:00 am to 6:00 pm, 5 days a week. ERC says that they will be working on Saturday from 7.00 am till around 2.00.pm.when the pit closes. ERC also stated they would not be working Memorial Day, since the pit will not be open on holidays.



**d. Subcontractors and/or materials expected onsite**

Florida Trucking is on site hauling backfill material for Section 8.

Burcaw is on site doing compaction testing on backfill.

Pickett and Associates maybe on-site to survey the backfill.

**3. Engineers' Hours**

The Engineers' hours are 7:00 am to 6:00 pm, 5 days a week.

SCS indicted that if ERC works on Saturday 7:00 am to 2:00 pm or until pit closes, they will have someone on site for inspection.

**4. Construction Conflict**

- (1) The Problems with Mega Force not supplying trucks was discussed earlier in the meeting.
- (2) The Problems with Mega Force not working since 5/17/05 was discussed earlier.
- (3) ERC has rented a grader to help keep a slope on the backfill, so when it rains water will run off and not pool up making it harder to get material to dry up.
- (4) ERC indicated that they coordinate with Waste Management about the trucks crossing each other on haul road.

**5. Contractor's Submittals Status**

**a. Shop drawings**

1) See submittal log. SCS stated that they were not aware of any out standing submittals and requested ERC compare the SCS log to their log and report any discrepancies. The only new issue at this time concerned a report submitted by Ardaman & Associates, the Engineer stated that submittal 18.2 Direct Shear Testing was blurry on some pages and requested that it be resubmitted. In addition the Engineer requested the Contractor have Ardaman plot residual shear strength for report 18 B. The Engineer also requested the direct shear test results on the backfill as he had received an email from ERC that the testing had been completed.

**b. RFI's**

- 1) RFI #1 approved. SCS returned to ERC.
- 2) RFI #2, SCS has no comment on this RFI.



- 3) RFI #3 approved. SCS returned to ERC.
- 4) RFI #4 SCS returned to ERC with comments.
  - 4.1) approved. SCS returned to ERC with comments.
- 5) RFI #5 approved. SCS returned to ERC.
- 6) RFI #6 SCS returned to ERC with comments.
  - 6.1) approved. SCS returned to ERC.
- 7) RFI #7 approved. SCS returned to ERC.
- 8) RFI #8 approved. SCS returned to ERC with comments.
- 9) RFI #9 SCS returned to ERC with comments.
  - 9.1) Approved. SCS returned to ERC with comments.
- 10) RFI #10 approved. SCS returned to ERC with comments.
- 11) RFI #11 approved. SCS returned to ERC with comments.
- 12) RFI #12 SCS returned to ERC with comments.
- 13) RFI #13 SCS returned to ERC with comments.

**c. Submittals**

See submittal log.

**6. Contractor Issues**

ERC had no new issues at this time.

**7. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.
- c. The County told ERC that they need to check their health and safety plan to find out about their procedure of people working around equipment and trucks hauling backfill material into the Section 8 excavation.
- d. ERC says their personnel directing trucks in Section 8 excavation are wearing safety vests. It was noted by SCS that not all spotters were wearing vest

**8. Engineer's Issues**

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

SCS discussed that no hard pan larger than an inch should be place as backfill.



SCS reminded ERC that there were still a few outstanding submittals that were time consuming to review, asked that these be submitted in a timely manner.

SCS reminded ERC that a pay request should be submitted the first week of June and requested it be submitted in a timely manner so it could be reviewed and processed without delay.

## **9. Site Safety and Housekeeping**

### **ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work. ERC stated that they maybe substituting who would be holding the safety meetings. SCS requested that any change in personnel be coordinated with the SCS Resident Engineer and submitted on.

## **10. Other Issues**

SCS stated that after the meeting they would give ERC elevations for the west side top of liner in Section 8 that was left off the drawings.

ERC stated that Vaden Pollard would not be on site for the next three days due to illness in the family.



Environmental Consultants

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**SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
June 22, 2005**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 17 & 18**

**MEETING SUMMARY**

No meetings were held these weeks since there were no ongoing construction activities due to the weather.



## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: June 14, 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 19**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 19. The date was June 14, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 19**

**a. Meeting Summary**

- 1) ERC to discuss the status of backfill in Section 8, the number of trucks, proposed schedule for completion, and hours of operation.
- 2) ERC says Florida Trucking needs to have 26 trucks a day making 16 rounds each day to meet the new schedule of July 8, 2005 for the completion of the backfilling.
- 3) ERC says that they are going to try and have 30 to 35 trucks a day hauling backfill material from Shelly Mines. Every day the pit and the Section 8 excavation should be able to handle that amount.
- 4) SCS has stated for the record, Weekly Construction Progress Meeting #17 & 18 were cancelled due to medical emergency with ERC's field supervisor Vaden Pollard. No meetings were held those weeks and to be consistent with the sequential weekly numbering of meetings, this meeting will be designated as No. 19.
- 5) ERC says that Florida Trucking's lead truck sometimes gets 18 loads a day if they haul until 6:00 pm.



- 6) ERC said they have rented one more excavator to put at the pit to speed up loading trucks. ERC says that they will have 2 excavators loading trucks at Shelly Mines pit.
- 7) ERC says that they have also put one of their personnel at the pit issuing tickets to speed up trucks getting out of the pit.

**b. Unfinished business:**

- 1) SCS request for revised compaction testing submittal from Burcaw Geotechnical Group, Inc.-SCS has received.
- 2) SCS request for revised direct shear testing submittal from Ardaman and Associates.- SCS has received.
- 3) Status in locating a new minority contractor. ERC said that they have had no luck finding a new minority trucking contractor.
- 4) Status of the backfilling operation. ERC said that they are using Florida Trucking to haul the backfill from Shelly Mines to the Section 8 excavation.
- 5) ERC says that they need to have 26 trucks making 16 loads a day to meet the new schedule of July 8 for completion of backfill for the Section 8 excavation.
- 6) Status in filing Pay Application number 4. SCS says that Pay Application incomplete.
- 7) SCS told ERC that per section 15.2.3 of the General Condition of the Contract Specifications states, beginning with the Contractor's second request for payment, the Contractor shall submit a Subcontractor's statement of Satisfaction, on the form provided at Exhibit VI from each subcontractor whose work appeared on the prior Application for Payment and for which the General Contractor has been paid. If the Contractor is unable to obtain the required Subcontractor's statement of Satisfaction; a consent from the Contractor's surety company shall be required. In the event the Contractor is unable to furnish a Subcontractor's statement of Satisfaction or a consent of surety, the disputed amount may be withheld by the County until the Contractor can provide a Subcontractor's statement of Satisfaction or a consent of surety.
- 8) Status of drainage sand testing. ERC says that before they start hauling cover sand to the project, they will give SCS time to get their testing samples that they need.

**2. Project Schedule**



**a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will continue backfilling of Section 8 excavation.
- 2) Backfill will be completed July 8.
- 3) Clay test pad and testing will be completed June 29
- 4) Clay sub base 8 material will be completed July 28
- 5) HDPE liner system will be completed August 19
- 6) Import sand over liner will be completed August 31
- 7) Liner testing will be completed September 13
- 8) Tire placement will be completed September 21
- 9) Demobilize equipment will be completed September 22

**b. Progress and work activity projected for the week of 6/13/05 to 6/19/05:**

- 1) ERC will continue using the new sediment pond for their dewatering of Section 8.
- 2) ERC will continue with backfill of Section 8.
- 3) ERC will continue compaction testing on backfill material placed in Section 8 in 1 ft. lifts.
- 4) ERC will have at least 26 trucks a day, making 16 round trips each a day from Shelly Mines to the Section 8 excavation to get project back on schedule.

**c. ERC proposed working hours during this period**

ERC working hours are 7:00 am to 6:00 pm, 5 days a week. ERC says that they will be working on Saturday from 7:30 am till around 2:00 pm when the pit closes.

**d. Subcontractors and/or materials expected onsite**

Burcaw is on site doing compaction testing on backfill.

Florida Trucking will be hauling backfill material to the Section 8 excavation.

**Engineers' Hours**

The Engineers' hours are 7:00 am to 6:00 pm, 5 days a week. SCS says if ERC works on Saturday 7:30 am to 2:00 pm until pit closes, they will have someone on site for inspection.



### **3. Construction Conflict**

ERC says that they have none at this time.

### **4. Contractor's Submittals Status**

#### **a. Shop drawings**

- 1) See submittal log.

#### **b. RFI's**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 submitted.
- 9) RFI #9 submitted.
  - 9.1) RFI #9.1 submitted. Engineers' comments returned to ERC.
- 10) RFI #10 submitted. Engineers' comments returned to ERC.
- 11) RFI #11 submitted. Submittal was approved by SCS.
- 12) RFI #12 submitted. Engineers requesting additional information.
- 13) RFI #13 submitted. Engineers requesting additional information.

#### **c. Submittals**

See submittal log.

### **5. Contractor Issues**

ERC says they have none at this time.

### **6. County Issues**



- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.

## **7. Engineer's Issues**

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

Regarding the hardpan-No rock larger than 1" in diameter can be placed in backfill material in Section 8.

## **8. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### **Safety Meeting Schedule**

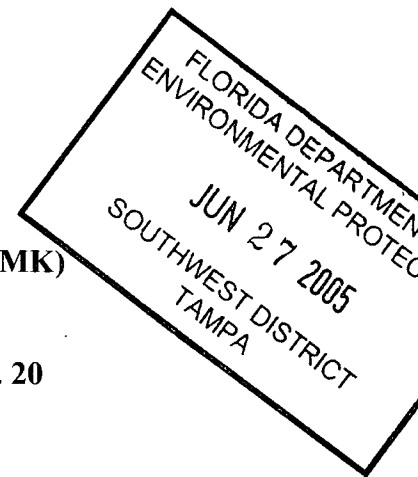
ERC indicated that Safety Meetings are being conducted daily prior to starting work.

## **9. Other Issues**

None at this time.



**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: June 21, 2005 Time: 9:00 am**



**WEEKLY CONSTRUCTION PROGRESS MEETING No. 20  
MEETING AGENDA**

**(Meeting will be audio recorded for project record)**

This is Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 20. The date is June 21, 2005. The time is 9:00 am. A sign in sheet has been passed around; all have signed in. This meeting is being audio recorded to generate a Progress Meeting Summary. A draft copy of the meeting summary will be submitted to the Contractor and the County for review. If there are comments, questions, or corrections regarding the meeting summary, please contact SCS Engineers before the next progress meeting. SCS Engineers will finalize the summary and distribute at the next progress meeting. Audio tapes are available for review.

**1. Progress Meeting No. 20**

**a. Highlight of Meeting Summary**

ERC discussed the status of backfill in Section 8, the number of trucks, proposed schedule for completion, and working hours. ERC says that they have 26 trucks a day making 16 round trips a day to meet the July 8, 2005 schedule for the completion of the backfilling. SCS discussed with ERC the status in locating a new minority contractor. ERC said that they have had no luck finding a new minority trucking contractor. SCS discussed the status of ERC's Pay Application #4. SCS said that the Pay Application was incomplete. SCS told ERC that they need to obtain the required Subcontractor's statement of Satisfaction or a consent from the Contractor's surety company. ERC said the new schedule for the week of June 13, 2005 was based on the amount of rain days that they are requesting. SCS said that the rain days have not been approved, so the schedule that ERC submitted may need to be changed.

**b. Unfinished business**

- 1) Status in locating a new minority contractor.
- 2) Status of rain days that ERC is claiming and the schedule that ERC has submitted that was based on these rain days being approved.
- 3) Status of ERC's Pay Application #4.

**2. Project Schedule**

**a. Current progress as it relates to the preliminary project schedule**



- 1) ERC will continue using the new sediment pond for dewatering of Section 8.
- 2) ERC continuing with the backfilling operation of Section 8.
- 3) July 8 is ERC's target date to finish backfill.
- 4) June 29 is ERC's target date to install clay test pad.
- 5) July 28 is ERC's target date for clay sub base material.
- 6) August 19 is ERC's target date for the HDPE liner.
- 7) September 13 is ERC's target date for liner testing.
- 8) August 31 is ERC's target date for importing sand.
- 9) September 21 is ERC's target date for installing 12 inches of tar chips.
- 10) September 22 is ERC's target date for demobilization.

**b. Progress and work activity projected for the week of 6/20/05 – 6/26/05**

- 1) ERC will be using the new sediment pond to the north of Section 8 for dewatering of Section 8.
- 2) ERC will be doing the backfilling of Section 8.
- 3) ERC to continue with backfill compaction testing.

**c. ERC proposed working hours during this period**

- 1) ERC's proposed working hours for this period are 7:00 am to 6:00 pm, 5 days a week.
- 2) ERC says that they will be working on Saturday, 7:00 am to 2:00 pm when pit closes.

**d. Subcontractors and/or materials expected on site**

- 1) Burcaw on site doing compaction testing on backfill in Section 8.
- 2) ERC says that Florida Trucking will be the trucking contractor hauling backfill material to the Section 8 excavation.

**3. Engineers' Hours**

The Engineers' hours are 7:00 am to 6:00 pm, 5 days a week.

SCS said they would have someone on site Saturday for inspection of backfill of the Section 8 excavation. Working hours are 7:00 am to 2:00 pm when pit closes.

**4. Construction Conflicts**

- 1) None at this time.

**5. Contractor's Submittals Status**



**a. Shop drawings**

- 1) See attached submittal log

**b. RFI's**

See attached RFI Log

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI # 7 submitted
- 8) RFI # 8 submitted. This RFI has been closed.
- 9) RFI # 9 submitted.
  - 9.1) RFI #9.1 submitted. Engineers' comments returned to ERC.
- 10) RFI #10 submitted. Engineers' comments returned to ERC.
- 11) RFI #11 submitted. Submittal approved.
- 12) RFI #12 submitted. Engineers requesting additional information.
- 13) RFI #13 submitted. Engineers requesting additional information.

**c. Submittals**

1. See attached Submittal Log

**6. Contractor Issues**

ERC says that they have none at this time.

**7. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. Employees are allowed to smoke in the designated smoking area immediately outside of the trailers.
- b. County told ERC that all trucks coming on site have to be tarped and obey all traffic signs.

**8. Engineer's Issues**

- a. SCS will remind ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7.



b. Regarding the hardpan - No rock larger than 1" in diameter can be placed in backfill material in Section 8.

c. **Site Safety and Housekeeping**

9. **ERC is responsible for site safety and housekeeping**

a. ERC is conducting daily Health and Safety meetings. The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction of Section 8.

b. ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

c. **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

10. **Other Issues**

None

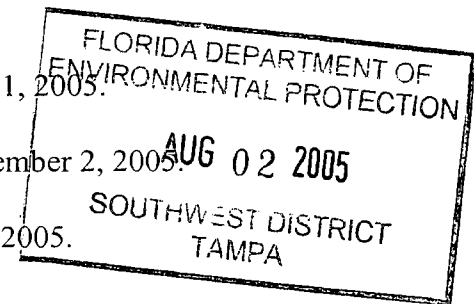


**SCS ENGINEERS****SUMMARY OF ACTIVITIES JUNE 20, 2005 TO JULY 17, 2005**

On behalf of the Hillsborough County Solid Waste Management Department (County), SCS Engineers (SCS) is submitting the attached monthly summary of the construction activities for June 20, 2005 to July 17, 2005 conducted for the above referenced project.

**PROJECT OVERVIEW**

- Notice-to-Proceed for the project was established as January 31, 2005.
- Substantial Completion of the project was established as September 2, 2005.
- Final Completion of the project was established as October 2, 2005.

**PROJECTED SCHEDULE (See Attachment A)**

- Backfill and compaction of general fill was scheduled to begin on March 24. Backfilling of Section 8 began on March 29, 2005. Backfill scheduled to be completed by July 26, 2005.
- Placement of subbase soils scheduled to begin about July 21, 2005.
- Placement of Geosynthetic materials scheduled to begin about August 10, 2005.
- Placement of protective cover soils scheduled to begin about August 31, 2005.
- Leak integrity testing of the bottom liner system scheduled to begin about September 12, 2005.
- Placement of tire chips scheduled to begin about September 22, 2005.
- ERC scheduled to demobilize by September 30, 2005.

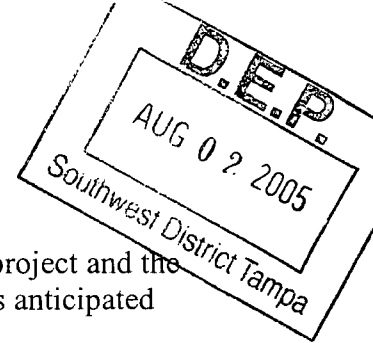
Please refer to the Weekly Summary Reports, contained in Attachment B, for a daily listing of activities, submittal logs, and representative construction photographs.

As of July 17, 2005 the following activities were occurring:

- ERC continuing backfilling and proof rolling the Backfill soils in the Section 8 capacity expansion area.
- ERC is continuing using new sediment pond for dewatering of Section 8.







- Rainfall and trucking delays with delivery of backfill have delayed the project and the projected schedule will be adjusted as the project progresses. Backfill is anticipated through mid August with subbase placement in the later part of August.

## **SUMMARY OF SUBMITTALS/CHANGE ORDERS**

Attached to the Weekly Summary Reports, contained in Attachment B, is a list of submittals reviewed to-date by SCS for the project.

The following submittals are included in this report:

- ERC Submittal Number 18.1 – HDPE / Clay Interface Shear Test

A standard proctor test was performed on the McIntosh Pit orange clayey sand in general accordance with ASTM Standard D698 and three direct shear tests were performed on a textured 60-mil geomembrane sample in general accordance with ASTM D5321. SCS reviewed the test results and the 60-mil HDPE geomembrane and clayey sand passed the specifications. The peak interface resistance varied from 26.6 to 35.5 (a minimum of 15 degrees required per Section 2221), and all three tests for the 60-mil geomembrane passed the specifications. The test results are contained in Attachment D.

- ERC Submittal Number 18.2 - HDPE / Geocomposite Interface Shear Test

Ardaman and Associates, Inc performed five direct shear tests. Project specifications call for a normal load test to be conducted at 6,000 (42 psi), 12,000 (83 psi) and 18,000 psf (125 psi). The last test was below the specifications at 120 psi. SCS reviewed the data which indicate a lineal line of regression, so points for the 120 psi should be consistent and thus pass specifications at the 125 psi value. The peak interface shear strength exceeded 21.5 degrees. A minimum peak value of 21 degrees was specified per Section 02930 and 02776. The test results are contained in Attachment E.

- ERC Submittal Number 18C – Protective Soil / Geocomposite Interface Shear Test

Ardaman and Associates, Inc performed three direct shear tests. Project specifications call for a normal load test to be conducted at 6,000 (42 psi), 12,000 (83 psi) and 18,000 psf (125 psi). The last test was below the specifications at 110 psi. SCS reviewed the data which indicate a lineal line of regression, so points for the 110 psi should be consistent and thus pass specifications at the 125 psi value. The peak interface shear strength exceeded 30.6 degrees. A minimum peak value of 21 degrees was specified per Section 02930. The test results are contained in Attachment F.

## **CONSTRUCTION PROGRESS MEETING SUMMARY REPORTS**

Attachment C contains summary reports for the following Construction Progress Meetings;

Construction Progress Meeting Number 21 –June 28, 2005

Construction Progress Meeting Number 22 –July 5, 2005



Construction Progress Meeting Number 23 –July 12, 2005

## **PHOTOGRAPHS**

Photographs that are representative of the construction activities conducted during this report period are shown in the Weekly Summary Reports contained in Attachment B.



**ATTACHMENT A**  
**Construction Progress Schedule**



Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Total Float	2005																																									
								FEB			MAR			APR			MAY			JUN			JUL			AUG			SEP			OCT			NOV														
SURVEY	PRE-TOPO SURVEY AND EARTHWORK	1	0	100	27JAN05A	03FEB05A		PRE-TOPO SURVEY AND EARTHWORK CALCULATIONS																																									
CLEARING	CLEAR AND GRUB	3	0	100	31JAN05A	02FEB05A		CLEAR AND GRUB																																									
DEWATERING	DEWATERING SYSTEM INSTALLATION	5	0	100	31JAN05A	03FEB05A		DEWATERING SYSTEM INSTALLATION																																									
MOB	MOBIZE EQUIPMENT	4	0	100	31JAN05A	07FEB05A		MOBIZE EQUIPMENT																																									
DRAGLINE	EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS	67	0	100	01FEB05A	30MAR05A		EXCAVATION, 227,000 cy, 8,900 CY/DAY, 6 TRUCKS																																									
STOCKPILE	REMOVAL OF EXCAVATED MATERIALS	61	0	100	03FEB05A	30MAR05A		REMOVAL OF EXCAVATED MATERIALS																																									
FILL	41,931 CY to go, 7,488 CY/DAY, 26 TK'S@16 LD/DY	89	6	93	24MAR05A	26JUL05	0	41,931 CY to go, 7,488 CY/DAY, 26 TK'S@16 LD/DY																																									
CLAYTEST	CLAY TEST PAD AND TESTING	8	8	0	19JUL05	28JUL05	46	CLAY TEST PAD AND TESTING																																									
CLAY	CLAY SUB BASE -5 MATERIAL, 500 CY/DAY LOOSE	14	14	7	21JUL05	09AUG05	0	CLAY SUB BASE -5 MATERIAL, 500 CY/DAY LOOSE																																									
LINER	HDPE LINER SYSTEM	15	15	0	10AUG05	30AUG05	0	HDPE LINER SYSTEM																																									
SAND	PLACE STOCKPILED SAND OVER LINER	8	8	0	31AUG05	09SEP05	0	PLACE STOCKPILED SAND OVER LINER																																									
LINER	LINER TESTING	8	8	11	12SEP05	21SEP05	0	LINER TESTING																																									
TIRES	12" OF TIRE PLACEMENT	6	6	0	22SEP05	29SEP05	0	12" OF TIRE PLACEMENT																																									
DEMOB	DEMOBILIZE EQUIPMENT	1	1	0	30SEP05	30SEP05	0	DEMOBILIZE EQUIPMENT																																									

D.E.P.  
AUG 02 2005  
Southwest District Tampa

Project Start	31JAN05		Early Bar
Project Finish	30SEP05		Float Bar
Data Date	19JUL05		Progress Bar
Plot Date	18JUL05		Critical Activity

(c) Primavera Systems, Inc.

HIL8

ERC GENERAL CONTRACTING SERVICES, IN  
HILLSBOROUGH COUNTY LANDFILL SECT 8  
Classic Schedule Layout

Sheet 1 of 1

Construction Meeting No. 24



**ATTACHMENT B**  
**Weekly Summary Reports**



## **SCS ENGINEERS**

June 20, 2005  
File No. 09200020.35

### **MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 21 Week of June 20 through June 26, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

### **CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. June 20 (Monday) – ERC not working today due to wet conditions on site.
2. June 21 (Tuesday) – ERC continuing backfilling of the Section 8 excavation. ERC working on lift #9 of the Section 8 excavation.
3. June 22 (Wednesday) – ERC continuing with backfilling of the Section 8 excavation. Burcaw Geotechnical Group, Inc. on site taking compaction test on lift #10 of the Section 8 backfill.
4. June 23 (Thursday)- ERC continuing with backfilling of the Section 8 excavation.
5. June 24 (Friday) – ERC continuing backfilling of the Section 8 excavation. ERC working on lift # 10 of the Section 8 excavation.
6. June 25 (Saturday) – ERC continuing backfilling of the Section 8 excavation.
7. June 26 (Sunday) – No work completed.

### **CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.

### **CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.





Memorandum to Larry E. Ruiz

Weekly Summary – Week of June 20 through June 26, 2005

Page 2

2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #22 to be held June 28, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.





## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: June 26, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05	NE	5-12-05
2C	Geomembrane Roll Certification	02776	5-4-05	NE	5-12-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: June 26, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4-29-05
12.2	CQC Consultant Qualifications	02220-C	5-5-05	NE-See Engr Note	5-20-05
12.3	CQC Consultant Qualifications	02220-C	5-9-05	NE-See Engr Note	5-20-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5-5-05	AR-See Engr Note	5-20-05
13.1B	Report of Field Density	02220	6-10-05	NE	6-13-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05	Not Reviewed	5-20-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18C	Soil / Geocomposite Interface Shear Test	09230	5-31-05	AR	6-13-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: June 26, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05	NE	4-29-05
22	Topographic Survey	01050	4-25-05	NE-See Engr Note	5-20-05
24	Borrow Source (Subbase) Cert. Letter	02221-C	5-5-05	NE-See Engr Note	5-20-05
25	Direct Shear Test Substitution for the Triaxial Test	02220	6-1-05	AR	6-13-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** June 20, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner looking to the northeast. Shows material placed in lift #9. Lift #9, Viewpoint #2

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Photograph No. 2



**Date:** June 20, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner looking to the northwest. Shows ERC placing material on lift #10 along the west side of Section 8. This area is at final elevation of 130. Lift #10, Viewpoint #2.



Photograph No. 3



**Date:** June 20, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Exposed liner in the southwest corner of Section 8. Shows where liner is welded together at anchor trench.

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Photograph No. 4



**Date:** June 21, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner looking to the northwest. Shows lift #9, & #10 along the westside of Section 8. Lifts #9 & 10, Viewpoint #2.



Photograph #5



**Date:** June 21, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northwest corner looking to the southeast. Shows lift #9. Lift #9, Viewpoint #4.

---

Photograph #6



**Date:** June 22, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner looking to the northwest. Shows ERC working on drying up lift #11. Lift #11, Viewpoint #1.



Photograph #7



**Date:** June 22, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner. Shows ERC working on lift #11 of Section 8. Lift #11, Viewpoint #2.

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Photograph #8



**Date:** June 23, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner looking across to the east. Shows backfill material being placed in lift #11. Lift #11, Viewpoint #4.



Photograph #9



**Date:** June 23, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the south. Shows ERC working on lift #11. Lift #11, Viewpoint #3.

---

Photograph #10



**Date:** June 24, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner looking to the northwest. Shows ERC placing backfill in lift #11. Lift #11, Viewpoint #1.



Photograph #11



**Date:** June 24, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the southwest. Shows backfill material placed on lift #11. Lift #11, Viewpoint #3.

---

Photograph #12



**Date:** June 25, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northwest corner looking to the south. Shows ERC loading backfill material into off-road trucks. This truck is taking backfill material out into Section 8 and placing in on lift #11. Lift #11, Viewpoint #4.



Photograph #13



**Date:** June 25, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the southeast. Shows Material placed in lift #11. Lift #11, Viewpoint #3.



**SCS ENGINEERS**

June 27, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 22 Week of June 27 through July 03, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. June 27 (Monday) – ERC continuing backfilling of the Section 8 excavation. Burcaw Geotechnical Group, Inc. on site taking compaction test on lift #11 of Section 8 excavation.
2. June 28 (Tuesday) – ERC continuing backfilling of the Section 8 excavation. ERC working on lift #11 of the Section 8 excavation.
3. June 29 (Wednesday) – ERC continuing with backfilling of the Section 8 excavation.
4. June 30 (Thursday) – ERC not working today due to wet conditions on site.
5. July 01 (Friday) – ERC continuing backfilling of the Section 8 excavation. ERC working on lift #11 of the Section 8 excavation.
6. July 02 (Saturday) – ERC not working today. Shelly Mines pit closed today.
7. July 03 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.





2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #23 to be held July 05, 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: July 3, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05	NE	5-12-05
2C	Geomembrane Roll Certification	02776	5-4-05	NE	5-12-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: July 3, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4-29-05
12.2	CQC Consultant Qualifications	02220-C	5-5-05	NE-See Engr Note	5-20-05
12.3	CQC Consultant Qualifications	02220-C	5-9-05	NE-See Engr Note	5-20-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5-5-05	AR-See Engr Note	5-20-05
13.1B	Report of Field Density	02220	6-10-05	NE	6-13-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05	Not Reviewed	5-20-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18C	Soil / Geocomposite Interface Shear Test	09230	5-31-05	AR	6-13-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: July 3, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05	NE	4-29-05
22	Topographic Survey	01050	4-25-05	NE-See Engr Note	5-20-05
24	Borrow Source (Subbase) Cert. Letter	02221-C	5-5-05	NE-See Engr Note	5-20-05
25	Direct Shear Test Substitution for the Triaxial Test	02220	6-1-05	AR	6-13-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** June 27, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northwest corner looking to the southwest. Shows area graded to final elevation of 130. Lift #11, Viewpoint #4.

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Photograph No. 2



**Date:** June 27, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Burcaw Geotechnical Group on-site taking compaction test on lift #11.



Photograph #3



**Date:** June 28, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northwest corner looking to the southwest. Shows area that is graded to final elevation of 130. Lift #11, Viewpoint #4.

---

Photograph #4



**Date:** June 28, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the southwest. Shows material placed in lift #11. Lift #11, Viewpoint #3.



Photograph #5



**Date:** June 29, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the southeast. Shows Section 8 after 1¼" rainfall overnight. Lift #11, Viewpoint #3.

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Photograph #6



**Date:** June 29, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the southwest. Shows lift #11, ERC working on drying up Section 8. Lift #11, Viewpoint #3.



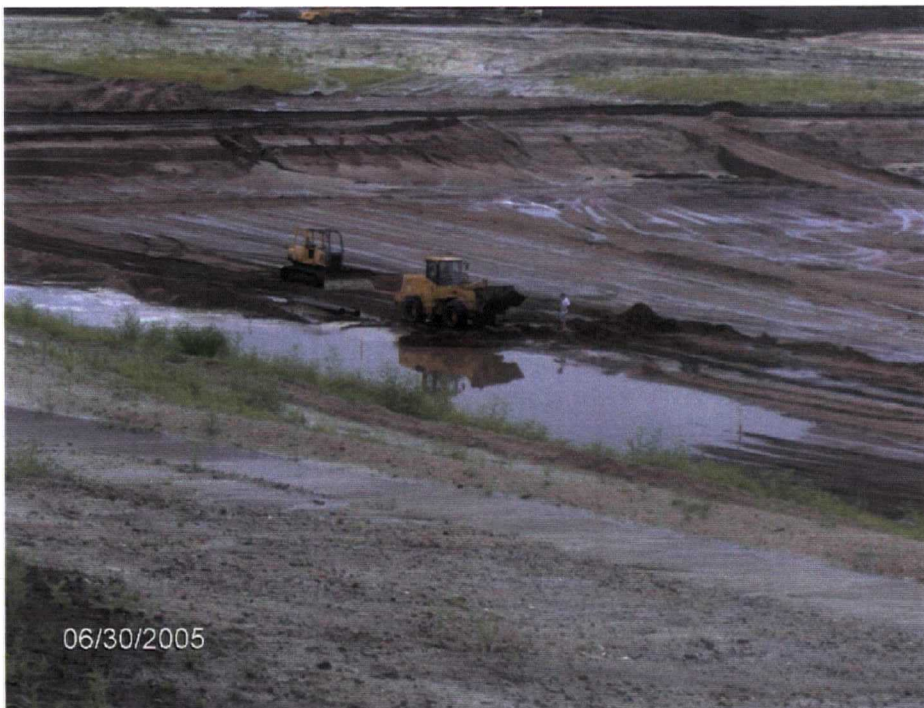
Photograph #7



**Date:** June 30, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner looking down into Section 8. Shows ERC installing an 8" ductile iron pipe to drain water out of that area. Lift #11, Viewpoint #2.

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Photograph #8



**Date:** June 30, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner looking down into Section 8. Shows area that ERC has installed an 8" ductile iron pipe to drain water out of a low area that has filled up with water after overnight rain on 6/29/05. Lift #11, Viewpoint #2.



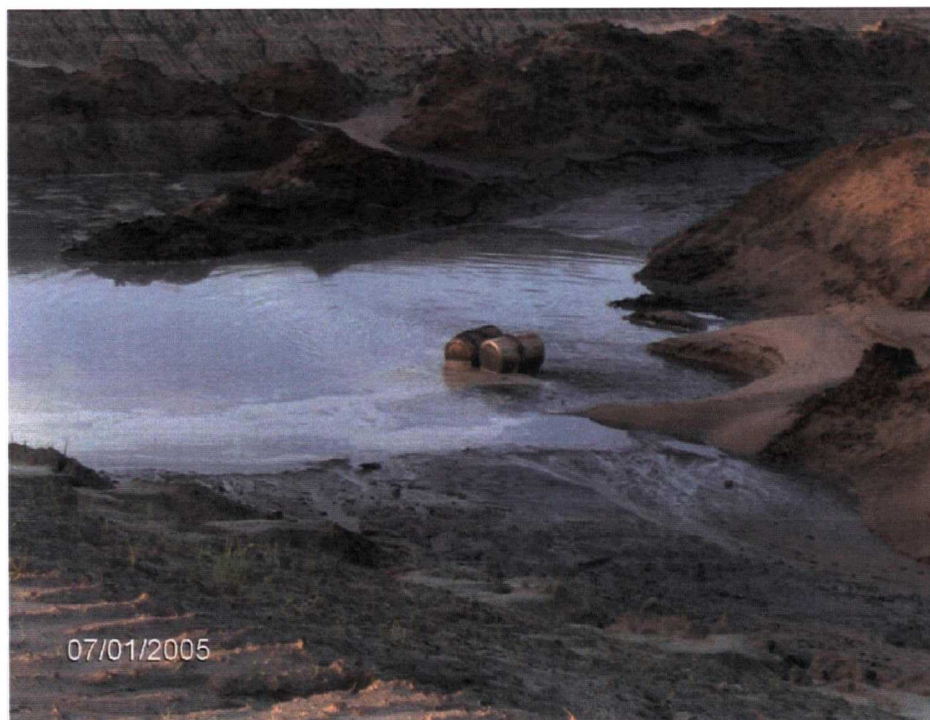
Photograph #9



**Date:** June 30, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northwest corner looking to the south. Shows rain water standing on lift #11 after 1¼" of rain the night of 6/29/05. Lift #11, Viewpoint #4.

---

Photograph #10



**Date:** July 1, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking down into the northeast corner where ERC is dewatering Section 8. Lift #11, Viewpoint #3.



Photograph #11



**Date:** July 1, 2005

**Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida

**Subject:** Standing in the northeast corner looking across to the west. Shows rain water standing on lift #11. Lift #11, Viewpoint #3.



## **SCS ENGINEERS**

July 04, 2005  
File No. 09200020.35

### **MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

**SUBJECT:** Week Progress Report No. 23 Week of July 04 through July 10, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

### **CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. July 04 (Monday) – ERC not working today landfill closed for fourth of July holiday.
2. June 05 (Tuesday) – ERC continuing backfilling of the Section 8 excavation. ERC working on lift #12 of the Section 8 excavation.
3. June 06 (Wednesday) – ERC continuing with backfilling of the Section 8 excavation.
4. June 07 (Thursday)- ERC continuing with backfilling of the Section 8 excavation.
5. July 08 (Friday) – ERC continuing backfilling of the Section 8 excavation. ERC working on lift #12 of the Section 8 excavation.
6. July 09 (Saturday) – ERC not working today. Shelly Mines pit closed today.
7. July 10 (Sunday) – No work completed.

### **CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.

### **CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.





2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #24 to be held July 12 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



**SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: July 10, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05	NE	5-12-05
2C	Geomembrane Roll Certification	02776	5-4-05	NE	5-12-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: July 10, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4-29-05
12.2	CQC Consultant Qualifications	02220-C	5-5-05	NE-See Engr Note	5-20-05
12.3	CQC Consultant Qualifications	02220-C	5-9-05	NE-See Engr Note	5-20-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5-5-05	AR-See Engr Note	5-20-05
13.1B	Report of Field Density	02220	6-10-05	NE	6-13-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05	Not Reviewed	5-20-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18C	Soil / Geocomposite Interface Shear Test	09230	5-31-05	AR	6-13-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre- Construction	2-23-05	NE	3-3-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
Log Updated: July 10, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05	NE	4-29-05
22	Topographic Survey	01050	4-25-05	NE-See Engr Note	5-20-05
24	Borrow Source (Subbase) Cert. Letter	02221-C	5-5-05	NE-See Engr Note	5-20-05
25	Direct Shear Test Substitution for the Triaxial Test	02220	6-1-05	AR	6-13-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
AR- Amend and Resubmit

MC- Make Corrections Noted  
RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



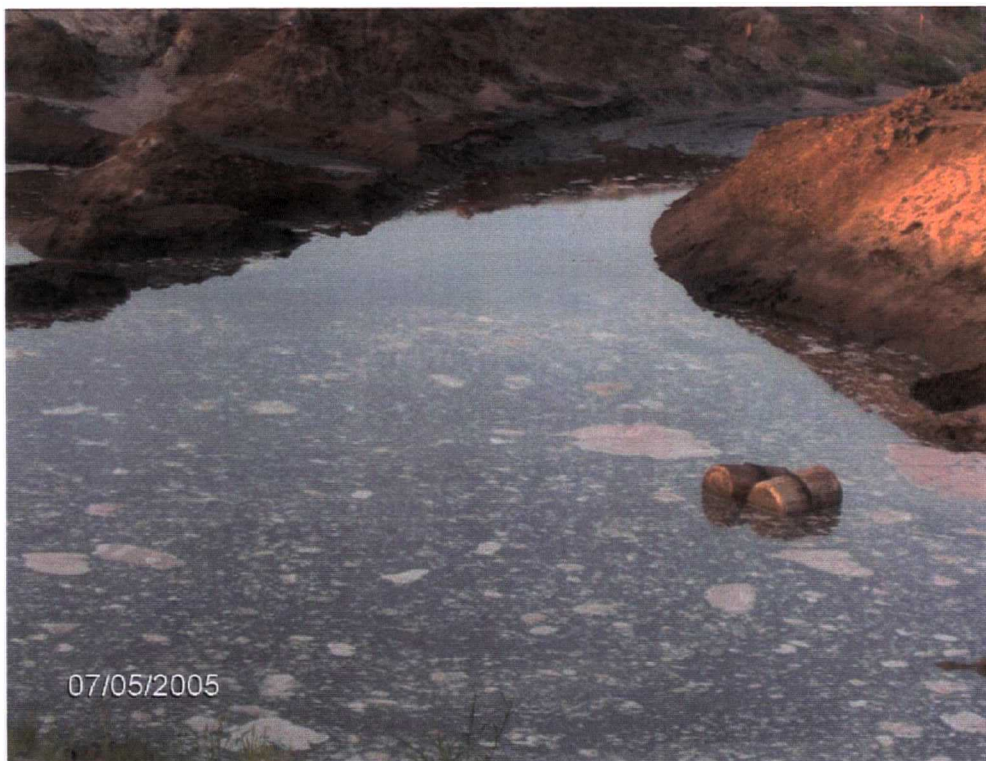
Photograph No. 1



**Date:** July 5, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner looking to the northwest. Shows ERC working on lift #12. Lift #12, Viewpoint #1.

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Photograph No. 2



**Date:** July 5, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner. Shows pump in the northeast corner being used for dewatering of Section 8.



Photograph No. 3



**Date:** July 5, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking across to the southeast. Shows material placed in lift #12. Lift #12, Viewpoint #3.

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Photograph No. 4



**Date:** July 6, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the southeast. Shows area ERC had rolled and compacted on lift #12. Lift #12, Viewpoint #3.



Photograph #5



**Date:** July 6, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing down in Section 8 looking to the south. Lift #12 shown in photo.

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Photograph #6



**Date:** July 7, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner looking to the north. Shows trucks dumping backfill material on lift #12. Lift #12, Viewpoint #2.



Photograph #7



**Date:** July 7, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the southeast. Shows material placed on lift #12. Lift #12, Viewpoint #3.

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Photograph #8



**Date:** July 8, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner looking to the north. Shows ERC placing backfill material on lift #12. Lift #12, Viewpoint #2.



Photograph #9



**Date:** July 8, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner. Shows trucks stockpiling backfill material west of Section 8. Viewpoint #1.



**SCS ENGINEERS**

July 11, 2005  
File No. 09200020.35

**MEMORANDUM**

**TO:** Larry E. Ruiz, Assoc. AIA, Project Manager, SWMD

**FROM:** Dennis Adams, Senior Superintendent, SCS Field Services  
Joseph H. O'Neill, P.E., Project Manager, SCS Engineers

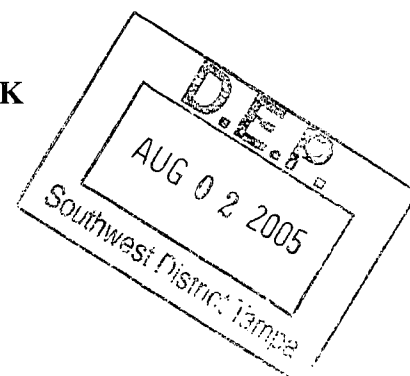
**SUBJECT:** Week Progress Report No. 24 Week of July 11 through July 17, 2005  
Construction Engineering and Inspection Services for Southeast County  
Landfill  
Capacity Expansion - Section 8, Bid No. C-299-04 (MK)

**CONSTRUCTION ACTIVITIES COMPLETED THIS WEEK**

1. July 11 (Monday) – ERC not working today. Shelly Mines pit closed today due to wet conditions.
2. June 12 (Tuesday) – ERC continuing backfilling of the Section 8 excavation. ERC working on lift #12 of the Section 8 excavation. ERC hauling clay sub base material from 301&McIntosh RD pit to the Section 8 excavation.
3. June 13 (Wednesday) – ERC continuing with backfilling of the Section 8 excavation.
4. June 14 (Thursday)- ERC continuing with backfilling of the Section 8 excavation. ERC hauling clay sub base material from 301 & McIntosh Rd pit to the Section 8 excavation.
5. July 15 (Friday) – ERC continuing backfilling of the Section 8 excavation. ERC working on lift #12 of the Section 8 excavation. ERC hauling clay sub material from 301 & McIntosh Rd. pit to the Section 8 excavation.
6. July 16 (Saturday) – ERC continuing with hauling of backfill material from Shelly Mines pit.to the Section 8 excavation.
7. July 17 (Sunday) – No work completed.

**CONSTRUCTION ACTIVITIES PLANNED FOR NEXT WEEK**

1. ERC continuing backfilling of Section 8 excavation.
2. Continued dewatering activities.





**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES COMPLETED THIS WEEK**

1. SCS reviewed and monitored the submission of contract required submittals.
2. SCS monitored and documented ERC construction activities, especially as related to excavation and dewatering.

**CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES PLANNED FOR NEXT WEEK.**

1. Continue construction inspection of ERC activities.
2. Continue submittal and letter review.
3. Monitor the construction schedule to assure the construction progress is proceeding as required by the contract documents.
4. Monitor environmental compliance activities with regards to dewatering and backfilling activities.
5. Monitor construction progress as it applies to approved project scheduled.
6. Chair Construction Progress Meeting #25 to be held July 19 2005 at 9:00 a.m. at the engineer's construction trailer.

**SHOP DRAWING SUBMITTAL STATUS UPDATE**

1. See attached Shop Drawing Review Log

**CONSTRUCTION PHOTOS**

1. See attached construction photographs.



## **SUBMITTAL LOG**



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: July 17, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
1	Geocomposite	02930	1-24-05	AR	2-7-05
1.1A	Geocomposite	02930		NE	2-23-05
1.1	Geocomposite – Batch 3,4,5,6,7,8,9	02930	1-24-05	AR	2-7-05
1.3	Geocomposite – Batch 1,2	02930	2-22-05	NE	3-1-05
2	Geomembrane	02776	1-24-05	RR	2-7-05
2A	Geomembrane	02776	2-15-05	AR	3-1-05
2B	Geomembrane	02776	5-2-05	NE	5-12-05
2C	Geomembrane Roll Certification	02776	5-4-05	NE	5-12-05
3	Organizational Chart	Pre construction	1-24-05	MC	2-7-05
4	Schedule of Values	1300	1-31-05	MC	2-7-05
5	Dewatering Plan	2140	1-31-05	MC	2-7-05
5.1	Dewatering Plan – NPDES	2140	2-15-05	NE	2-23-05
6	Health and Safety Plan	1800	1-31-05	MC	2-7-05
7	Preconstruction Survey	1050	2-7-05	AR	2-9-05
7A	Preconstruction Survey	1050	2-24-05	NE	3-8-05
8	Excavation Plan	1300	2-7-05	MC	3-3-05
8A	Excavation Plan	1300	2-8-05	NE	3-3-05
9	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-15-05	AR	2-23-05
9A	Submittal Log – Preliminary Schedule	1300,1.01 B.1	2-24-05	NE	3-01-05
10	CQC Laboratory SOQ	02220-B.3	2-23-05	NE	3-1-05
11	Protective/Drainage Sand	02220-B.3	2-23-05	MC	3-11-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: July 17, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
12	Subcontractor List	01050-A 02220 1.05A	2-24-05	NE	3-11-05
12.1	CQC Consultant Qualifications	02220-C	4-25-05	NE	4-29-05
12.2	CQC Consultant Qualifications	02220-C	5-5-05	NE-See Engr Note	5-20-05
12.3	CQC Consultant Qualifications	02220-C	5-9-05	NE-See Engr Note	5-20-05
13	Backfill Soil	02220	3-14-05	NE-see Engr Note	3-18-05
13.1	Report on Field Density	02220	5-5-05	AR-See Engr Note	5-20-05
13.1B	Report of Field Density	02220	6-10-05	NE	6-13-05
14	Clay Borrow Source Notification	02212	3-15-05	NE	3-11-05
15	Excavation Survey – Partial	01050	3-28-05	AR	4-5-05
15.1	Excavation – Full	01050	5-2-05	Not Reviewed	5-20-05
16	Preliminary Photos	01050-5	4-04-05	NE	4-13-05
17	Progress Photo	01050-5	4-04-05	NE	4-13-05
17.1	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.2	Progress Photo	01050-5	4-04-05	MC	4-13-05
17.3	Progress Photos	01050-5	7-12-05		
17.4	Progress Photos	01050-5	7-12-05		
17.5	Progress Photos	01050-5	7-12-05		
17-6	Progress Photos	01050-5	7-12-05		
17-7	Progress Photos	01050-5	7-12-05		
17-8	Progress Photos	01050-5	7-12-05		
17-9	Progress Photos	01050-5	7-12-05		

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## SUBMITTAL/ SHOP DRAWING LOG

Project Name: Southeast County Landfill  
Capacity Expansion Section 8  
Construction

Project No. 09200020.35  
 Log Updated: July 17, 2005

Ref Number	Description	Spec. Reference	Date Received	Status <sup>1</sup>	Date Returned
18	Soil / Geocomposite Interface Shear Test	02930	4-04-05	RR	4-08-05
18A	Soil / Geocomposite Interface Shear Test	02930	4-07-05	RR	4-13-05
18B	Soil / Geocomposite Interface Shear Test	02930	4-12-05	AR	4-19-05
18C	Soil / Geocomposite Interface Shear Test	09230	5-31-05	AR	6-13-05
18.1	HDPE / Clay Interface Shear Test	02930	4-07-05	NE	4-13-05
18.2	HDPE / Geocomposite Interface Shear Test	02776	4-12-05	NE	4-19-05
19	CQC Consultant	Pre-Construction	2-23-05	NE	3-3-05
20	HDPE Manufacture Notification	02776	3-24-05	NE	3-25-05
21	HDPE Roll Allocation Test	02776	4-25-05	NE	4-29-05
22	Topographic Survey	01050	4-25-05	NE-See Engr Note	5-20-05
24	Borrow Source (Subbase) Cert. Letter	02221-C	5-5-05	NE-See Engr Note	5-20-05
25	Direct Shear Test Substitutcn for the Triaxial Test	02220	6-1-05	AR	6-13-05

<sup>1</sup> Status Legend

NE- No Exception Taken  
 AR- Amend and Resubmit

MC- Make Corrections Noted  
 RR-Rejected. Resubmit



## **CONSTRUCTION PHOTOGRAPHS**



Photograph No. 1



**Date:** July 11, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** South end of Section 8 retaining water. Subgrade wet due to rainfall from (1.875 inches) on previous days.

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Photograph No. 2



**Date:** July 11, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the northeast corner looking to the south. Shows backfill material stockpiled on lift #12. Subgrade wet due to rainfall from (1.875 inches) on previous days. Lift #12, Viewpoint #3.



Photograph No. 3



**Date:** July 12, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southeast corner looking to the north. Shows ERC working on lift #12. Standing water from 1.875" of rainfall. No compaction was completed in standing water. Lift #12, Viewpoint #2.

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Photograph No. 4



**Date:** July 12, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Standing in the southwest corner looking at ERC stockpile of backfill material on the southwest corner. ERC stockpiling fill on west side of Section 8. Bottom of cell too wet for trucks. Standing water from 1.875" of rainfall. No compaction was completed in standing water. Lift #12, Viewpoint #1.



Photograph #5



**Date:** July 13, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Lift #12, Viewpoint #3 - Standing in the northeast corner of the Section 8 excavation looking to the southeast corner.  
Shows backfill material stockpiled in the Section 8 excavation on Lift #12.

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Photograph #6



**Date:** July 13, 2005    **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Shows backfill material and piles of mulch in same area. Loader mixing mulch with backfill material. Mulch was mistakenly placed in cell. All mulch removed from Section 8.



Photograph #7



**Date:** July 14, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Lift #12, Viewpoint #1 - Standing in the southwest corner of the Section 8 excavation looking along the western edge of Section 8. Shows ERC loading off and truck out of their stockpile in that area. Standing water from 1.00" of rainfall.

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Photograph #8



**Date:** July 14, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Lift #12, Viewpoint #2 - Standing in the southeast corner of the Section 8 excavation looking to the northeast corner. Shows backfill material in Lift #12 of the Section 8 excavation. Standing water from 1.00" of rainfall. Stockpile of soils only.



Photograph #9



**Date:** July 15, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Lift #12, Viewpoint #2 - Standing in the southeast corner of the Section 8 excavation looking to the northeast corner across the Section 8 excavation. Shows ERC disking up area that is wet getting it to dry up so they can recompact that area in Lift #12.

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Photograph #10



**Date:** July 15, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Area where ERC was mixing mulch with backfill material and placing on the south ramp of the Section 8 excavation. All mulch was removed from backfill material in Section 8.



Photograph #11



**Date:** July 16, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Lift #12, Viewpoint #1 - Standing in the southwest corner of the Section 8 excavation looking to the northwest corner. Shows standing water on the Section 8 excavation. Standing water due to 0.50" of rainfall.

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Photograph #12



**Date:** July 16, 2005      **Location:** Southeast County Landfill, Section 8 Expansion, Hillsborough County, Florida  
**Subject:** Area in the southeast corner after mulch was removed. Mulch was removed from all areas within Section 8.



**ATTACHMENT C**  
**Construction Progress Meeting Summary Reports**



## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: June 28, 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 21**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 21. The date was June 28, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 21  
a. Meeting Summary**

- 1) ERC discussed the status of backfill in Section 8, the number of trucks, proposed schedule for completion, and hours of operation.
- 2) ERC indicated that they need to have 26 trucks a day making 16 rounds each day to meet the new schedule of July 13, 2005 for the completion of the backfilling.
- 3) ERC indicated that they are going to try and have 30 to 35 trucks a day hauling backfill material from Shelly Lake Mines. The pit and Section 8 excavation should be able to handle that amount of trucking.
- 4) ERC said that Mega Force Trucking is back on site hauling backfill material from Shelly Lake Mines to the Section 8 excavation.
- 5) ERC said after meeting with the Hillsborough County DM/DWBE Board, it was their wish that ERC would allow Mega Force to continue hauling backfill material to the Section 8 excavation.
- 6) ERC indicated that the DM/DWBE board is reviewing all Mega Force paper work that was submitted by ERC to them and that the DM/DWBE



WEEKLY CONSTRUCTION PROGRESS MEETING No. 21

June 28, 2005

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board would make a ruling on the status of ERC's 11.1% Minority participation for the project.

- 7) ERC said that out of 20 solicitations, they only had one written response from a minority trucking contractor.
- 8) ERC said that the one Minority contractor that gave them the written response said that they could not take on this project at this time because of their workload.
- 9) ERC said that Florida Trucking will also be hauling backfill material from Shelly Lake Mines to the Section 8 excavation.
- 10) ERC said that they will not be working on July 4, 2005 and may not work on Saturday, July 2, 2005 depending on the borrow pit and weather.

**b. Unfinished business:**

- 1) Status in locating a new minority contractor. ERC said that they have not located a new minority trucking contractor.
- 2) ERC said out of 20 solicitations to minority trucking contractors, they have received only one written response. And that contractor was not able to take on this project at this time.
- 3) Status of the backfilling operation. ERC said that they are using Florida Trucking and Mega Force to haul the backfill from Shelly Lake Mines to the Section 8 excavation.
- 4) ERC says that they need to have 26 trucks making 16 loads a day to meet the new schedule of July 13, 2005 for completion of backfill for the Section 8 excavation.
- 5) SCS reminded ERC that their schedule last week and this week that they submitted is based on the amount of rain days that they are requesting. SCS said that the rain days have not been approved, so the schedules that ERC submitted may need to be changed.
- 6) Status of Pay Application # 4. SCS indicated it has been approved by SCS and has been given to Hillsborough County.
- 7) County says that they have received Pay Application # 4 and are processing the pay application.
- 8) Status of drainage sand testing. ERC says that before they start hauling drainage sand to the project, they will give SCS time to get their testing samples that they need.
- 9) SCS said that the clay test had not passed that Ardaman & Associates, Inc. had done. ERC said that they would get a five gallon bucket of the clay material from pit at McIntosh & 301 and do a split sample with SCS so that they know that the material is the same. SCS indicated a different lab would be used to perform the clay sampling.



## **2. Project Schedule**

### **a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will continue backfilling of Section 8 excavation.
- 2) Backfill will be completed July 13.
- 3) Clay test pad and testing will be completed July 13.
- 4) Clay sub base material will be completed August 1.
- 5) HDPE liner system will be completed August 23.
- 6) Import sand over liner will be completed September 2.
- 7) Liner testing will be completed September 14.
- 8) Tire placement will be completed September 22.
- 9) Demobilize equipment will be completed September 23.

### **b. Progress and work activity projected for the week of 6/27/05 to 7/03/05:**

- 1) ERC will continue using the new sediment pond for their dewatering of Section 8.
- 2) ERC will continue with backfill of Section 8.
- 3) ERC will continue compaction testing on backfill material placed in Section 8 in 1 ft. lifts.
- 4) ERC will have at least 26 trucks a day, making 16 round trips each day from Shelly Lake Mines to the Section 8 excavation to get project back on schedule.

### **c. ERC proposed working hours during this period**

ERC working hours are 7:00 am to 6:00 pm, 5 days a week. ERC says that they will be working on Saturday from 7:30 am till around 2:00 pm when the pit closes.

### **d. Subcontractors and/or materials expected onsite**

Burcaw is on site doing compaction testing on backfill.

Florida Trucking and Mega Force Trucking will be hauling backfill material to the Section 8 excavation.

## **3. Engineers' Hours**

The Engineers' hours are 7:00 am to 6:00 pm, 5 days a week.



## WEEKLY CONSTRUCTION PROGRESS MEETING No. 21

June 28, 2005

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SCS says if ERC works on Saturday, 7:30 am to 2:00 pm until pit closes, they will have someone on site for inspection.

### **4. Construction Conflict**

ERC says that they have none at this time.

### **5. Contractor's Submittals Status**

#### **a. Shop drawings**

- 1) See submittal log.

#### **b. RFI's**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 submitted.
- 9) RFI #9 submitted.
  - 9.1) RFI #9.1 submitted. Engineers' comments returned to ERC.
- 10) RFI #10 submitted. Engineers' comments returned to ERC.
- 11) RFI #11 submitted. Submittal was approved by SCS.
- 12) RFI #12 submitted. ERC submitted to County for approval.
- 13) RFI #13 submitted. ERC submitted to County for approval.

#### **c. Submittals**

See submittal log.

### **6. Contractor Issues**

ERC says they are waiting on the DM/DWBE response on Mega Force to determine if the 11.1% minority participation for project will be enforced. In addition, ERC is waiting for a response from the DM/DWBE to be able to release Mega Force from the project.



## WEEKLY CONSTRUCTION PROGRESS MEETING No. 21

June 28, 2005

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### **7. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.

### **8. Engineer's Issues**

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

Regarding the hardpan-No rock larger than 1" in diameter can be placed in backfill material in Section 8.

SCS is reminding ERC that they need to submit their project photos to SCS every other week in a submittal form, as per section 01025 3.06 of the Contract Documents & Specifications.

### **9. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

#### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

### **10. Other Issues**

None at this time.



SIGN IN SHEET - PROGRESS MEETING # 21  
DATE: 6/28/05

[illegible]



## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: July 5, 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 22**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 22. The date was July 5, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 22**

**a. Meeting Summary**

- 1) ERC discussed the status of backfill in Section 8, the number of trucks, proposed schedule for completion, and hours of operation.
- 2) ERC indicated they needed to have 26 trucks a day making 16 rounds each day to meet the new schedule of July 19, 2005 for the completion of the backfilling.
- 3) ERC indicated that they are going to try and have 30 to 35 trucks a day hauling backfill material from Shelly Lake Mines. The pit and the Section 8 excavation should be able to handle that amount of trucking.
- 4) ERC said that Mega Force Trucking is back on site hauling backfill material from Shelly Lake Mines to the Section 8 excavation.
- 5) ERC indicated that after the meeting with the Hillsborough County DM/DWBE Board, an agreement between ERC and Mega Force had been established. The deal would allow ERC to keep Mega Force hauling however Mega Force had to commit to a providing a certain number of trucks to keep the project on schedule.



WEEKLY CONSTRUCTION PROGRESS MEETING No. 22

July 05, 2005

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- 6) ERC indicated that the DM/DWBE Board is reviewing all correspondence between ERC and Mega Force that was submitted by ERC. The Board would make a ruling on the status of ERC's 11.1% Minority participation for the project after reviewing the paperwork.
- 7) ERC indicated that they have not received anything from the DM/DWBE Board about their ruling on the status of ERC Minority participation for the project as of this meeting.
- 8) ERC said out of 20 solicitations, they only had one written response from a minority trucking contractor.
- 9) ERC said that the one Minority contractor that gave them the written response said that they could not take on this project at this time because of their workload.
- 10) ERC says that Florida Trucking is also hauling backfill material from Shelly Lake Mines to the Section 8 excavation.
- 11) SCS indicated that they have received Pay Application #5 from ERC and are working on getting it approved and sent to the County.

**b. Unfinished business:**

- 1) Status in locating a new minority contractor. ERC said that they have had no luck finding a new minority trucking contractor.
- 2) ERC said out of 20 solicitations to minority trucking contractors, they have received only one written response and the contractor was not able to take on the project at this time.
- 3) SCS recommended that ERC continue coordinating with the DM/DWBE Board to get their ruling on the status of ERC's 11.1% Minority participation for the project.
- 4) Status of the backfilling operation. ERC said that they are using Florida Trucking and Mega Force to haul the backfill from Shelly Lake Mines to the Section 8 excavation.
- 5) ERC says that they need to have 26 trucks making 16 loads a day to meet the new schedule of July 19, 2005 for completion of backfill for the Section 8 excavation.
- 6) SCS reminded ERC that their schedule last week and this week that they submitted is based on the amount of rain days that they are requesting. SCS said that the rain days have not been approved, so the schedules that ERC submitted may need to be changed.
- 7) Status of Pay Application # 5. SCS says that they have received Pay Application #5 from ERC and are working on getting it approved and sent to the County.



WEEKLY CONSTRUCTION PROGRESS MEETING No. 22

July 05, 2005

Page 3

- 8) Status of drainage sand testing. ERC says that before they start hauling cover sand to the project, they will give SCS time to get the testing samples that they need.
- 9) SCS said that they have received from ERC a five gallon bucket of the clay material from the pit at McIntosh & 301. SCS is doing a split sample with ERC. SCS will be using Professional Services Industries (PSI) to test samples.

**2. Project Schedule**

**a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will continue backfilling of Section 8 excavation.
- 2) Backfill will be completed July 19.
- 3) Clay test pad and testing will be completed July 19.
- 4) Clay sub base material will be completed August 2.
- 5) HDPE liner system will be completed August 23.
- 6) Import sand over liner will be completed September 2.
- 7) Liner testing will be completed September 14.
- 8) Tire placement will be completed September 22.
- 9) Demobilize equipment will be completed September 23.

**b. Progress and work activity projected for the week of 7/04/05 to 7/10/05:**

- 1) ERC will continue using the new sediment pond for the dewatering of Section 8.
- 2) ERC will continue with backfill of Section 8.
- 3) ERC will continue compaction testing on backfill material placed in Section 8 in 1 ft. lifts.
- 4) ERC will have at least 26 trucks a day, making 16 round trips each day from Shelly Lake Mines to the Section 8 excavation to get project back on the new schedule of July 19, 2005 for completion of the backfilling of Section 8.

**c. ERC proposed working hours during this period**

ERC working hours are 7:00 am to 6:00 pm, 5 days a week. ERC says that they will be working on Saturday from 7:30 am till around 4:00 pm.

**d. Subcontractors and/or materials expected onsite**

Burcaw is on site doing compaction testing on backfill.



Florida Trucking and Mega Force Trucking will be hauling backfill material to the Section 8 excavation.

### **3. Engineers' Hours**

The Engineers' hours are 7:00 am to 6:00 pm, 5 days a week.

SCS says if ERC works on Saturday, 7:30 am to 4:00 pm, then SCS will have someone on site for inspection.

### **4. Construction Conflict**

ERC says that they have none at this time.

### **5. Contractor's Submittals Status**

#### **a. Shop drawings**

- 1) See submittal log.

#### **b. RFI's**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 submitted.
- 9) RFI #9 submitted.
  - 9.1) RFI #9.1 submitted. Engineers' comments returned to ERC.
- 10) RFI #10 submitted. Engineers' comments returned to ERC.
- 11) RFI #11 submitted. Submittal was approved by SCS.
- 12) RFI #12 submitted. ERC submitted to County for approval.
- 13) RFI #13 submitted. ERC submitted to County for approval.

#### **c. Submittals**

See submittal log.

### **6. Contractor Issues**



ERC says they are waiting on the DM/DWBE response on Mega Force and if they have met their 11.1% Minority participation for project.

## **7. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.

## **8. Engineer's Issues**

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

Regarding the hardpan-No rock larger than 1" in diameter can be placed in backfill material in Section 8.

SCS is reminding ERC that they need to submit their project photos to SCS every other week in a submittal form, as per section 01025 3.06 of the Contract Documents & Specifications.

## **9. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

## **10. Other Issues**

None at this time.



**SIGN IN SHEET - PROGRESS MEETING # 22**  
**DATE: 7/5/05**

[illegible]



## **SCS ENGINEERS**

**HILLSBOROUGH COUNTY  
SOUTHEAST COUNTY LANDFILL  
CAPACITY EXPANSION SECTION 8, BID NO. C-299-04 (MK)  
Date: July 12, 2005 Time: 9:00 am**

**WEEKLY CONSTRUCTION PROGRESS MEETING No. 23**

**MEETING SUMMARY - FINAL**

**(Meeting was audio recorded for project record)**

This is summary of item discussed during Hillsborough County Southeast County Landfill Capacity Expansion Section 8 Construction Progress Meeting Number 23. The date was July 12, 2005. The start time was approximately 9:00 am. A sign in sheet was passed around; all parties attending the meeting signed a sign-in sheet (attached to this summary). This meeting was audio recorded to generate this Progress Meeting Summary. A draft copy of the meeting summary was submitted to the Contractor and the County for review. Their comments were incorporated by SCS into this summary to generate this summary. Audio tapes are available for all parties to review.

**1. Progress Meeting No. 23**

**a. Meeting Summary**

- 1) ERC discussed the status of backfill in Section 8, the number of trucks, proposed schedule for completion, and hours of operation.
- 2) ERC indicated that they needed to have 26 trucks a day making 16 rounds each day to meet the new schedule of July 22, 2005 for the completion of the backfilling.
- 3) ERC says that they are going to try and have 30 to 35 trucks a day hauling backfill material from Shelly Lake Mines. The pit and the Section 8 excavation should be able to handle that amount.
- 4) ERC said that Mega Force Trucking is back on site hauling backfill material from Shelly Lake Mines to the Section 8 excavation.
- 5) ERC said that they have received a letter from the DM/DWBE Board saying that they are formally releasing ERC General Contracting, Inc. of the trucking and hauling portion of the minority participation commitment on Bid C-299-04 (MK) Capacity Expansion Section.
- 6) SCS ask ERC for a copy of the letter from the DM/DWBE Board for their own record.



WEEKLY CONSTRUCTION PROGRESS MEETING No. 23

July 12, 2005

Page 2

- 7) ERC says that Florida Trucking will also hauling backfill material from Shelly Lake Mines to the Section 8 excavation.
- 8) County indicated that they have received Pay Application #5 from SCS and is working on getting it approved
- 9) SCS said that the results of the permeability test that they had PSI conduct on the clay material from McIntosh & 301 was  $4.7 \times 10^{-5}$  cm/s and does not meet the Specification for project. ERC stated that they have passing test in the 10(-7) range for this split sample with a final test report expected within several days.
- 10) SCS told ERC if they go ahead and place the clay sub base material on project they will be doing so at ERC own risk. SCS requested copies of ERC testing lab data to confirm the testing parameters. SCS will coordinate with PSI to determine if the lab results could be in error.
- 11) ERC said that they are going to do a RFI to request that the size of the clay test pad be changed. ERC said that they may submit an RFI but was not yet sure of the need for the test pad size change.

**b. Unfinished business:**

- 1) Status of the backfilling operation. ERC said that they are using Mega Force trucking and Florida Trucking to haul the backfill from Shelly Lake Mines to the Section 8 excavation.
- 2) ERC says that they need to have 26 trucks making 16 loads a day to meet the new schedule of July 22, 2005 for completion of backfill for the Section 8 excavation.
- 3) SCS reminded ERC that their schedule of the last few weeks that they have submitted is based on the amount of rain days that they are requesting. SCS said that the rain days have not been approved, so the schedules that ERC submitted may need to be changed.
- 4) Status of Pay Application # 5. County says that they have received Pay Application #5 and is currently processing the paperwork.
- 5) Status of drainage sand testing. ERC indicated that before they start hauling drainage sand to the project, that they will give SCS time to get the testing samples that they need.
- 6) SCS said that they have received from ERC a five gallon bucket of the clay material from the pit at McIntosh & 301. SCS is doing a split sample with ERC so that they know that the material is the same.
- 7) SCS said that their results of the permeability test on the clay from 301& McIntosh was  $4.7 \times 10^{-5}$  cm/s and does not meet the Specifications for the project. ERC stated that the tests performed on the split sample had passed.
- 8) SCS told ERC if they choose to place the clay sub base material on the project they will be doing so at ERC own risk.



- 9) SCS indicated that shop drawing submittals #18.C & 25 were marked Amend and Resubmit. ERC has not resubmitted these two shop drawings to SCS. ERC indicated that Tom Ingram of Ardaman and Assoc. had mailed out the re-submittals on Friday, July 22, 2005.

## **2. Project Schedule**

### **a. Current progress as it relates to the preliminary project schedule**

- 1) ERC will continue backfilling of Section 8 excavation.
- 2) Backfill will be completed July 22.
- 3) Clay test pad and testing will be completed July 26.
- 4) Clay sub base material will be completed August 5.
- 5) HDPE liner system will be completed August 26.
- 6) Import sand over liner will be completed September 7.
- 7) Liner testing will be completed September 19.
- 8) Tire placement will be completed September 27.
- 9) Demobilize equipment will be completed September 28.

### **b. Progress and work activity projected for the week of 7/11/05 to 7/17/05:**

- 1) ERC will continue using the new sediment pond for the dewatering of Section 8.
- 2) ERC will continue with backfill of Section 8.
- 3) ERC will continue compaction testing on backfill material placed in Section 8 in 1 ft. lifts.
- 4) ERC will have at least 26 trucks a day, making 16 round trips each day from Shelly Lake Mines to the Section 8 excavation to get project back on the new schedule of July 22, 2005 for completion of the backfilling of Section 8.

### **c. ERC proposed working hours during this period**

ERC working hours are 7:00 am to 6:00 pm, 5 days a week. ERC indicated that they will be working on Saturday from 7:30 am till around 6:00 pm.

### **d. Subcontractors and/or materials expected onsite**

Burcaw is on site doing compaction testing on backfill.

Florida Trucking and Mega Force Trucking will be hauling backfill material to the Section 8 excavation.



### **3. Engineers' Hours**

The Engineers' hours are 7:00 am to 6:00 pm, 5 days a week.

SCS says if ERC works on Saturday, 7:30 am to 6:00 pm, then they will have someone on site for inspection.

### **4. Construction Conflict**

ERC says that the drawing for the Southeast corner does not show the high point for the backfill. The highpoint is the top of the ridgeline and directs water (leachate) into two adjacent collection pipes. SCS will review the drawings to provide the high point.

### **5. Contractor's Submittals Status**

#### **a. Shop drawings**

- 1) See submittal log.

#### **b. RFI's**

- 1) RFI #1 approved.
- 2) RFI #2, SCS has no comment on this RFI.
- 3) RFI #3 approved.
- 4) RFI #4 submitted.
- 5) RFI #5 submitted.
- 6) RFI #6 submitted.
- 7) RFI #7 submitted.
- 8) RFI #8 submitted.
- 9) RFI #9 submitted.
- 9.1) RFI #9.1 submitted. Engineers' comments returned to ERC.
- 10) RFI #10 submitted. Engineers' comments returned to ERC.
- 11) RFI #11 submitted. Submittal was approved by SCS.
- 12) RFI #12 submitted. ERC submitted to County for approval.
- 13) RFI #13 submitted. ERC submitted to County for approval.

#### **c. Submittals**

See submittal log.

### **6. Contractor Issues**

None at this time.



## **7. County Issues**

- a. The County reminded ERC that the project site is located adjacent to an active landfill and that no smoking is allowed within the project limits. If employees want to smoke, the area immediately outside of the trailers is the designated smoking area.
- b. The County told ERC that all incoming trucks will be tarped and that they must obey all traffic signs.

## **8. Engineer's Issues**

SCS reminded ERC they need to be monitoring the personnel that will be removing the caps on the 8 inch HDPE piping at the north end of Section 7 at the tie in.

Regarding the hardpan-No rock larger than 1" in diameter can be placed in backfill material in Section 8.

SCS is reminding ERC that if they go ahead and place the clay sub base they will be doing so at their ERC risk.

## **9. Site Safety and Housekeeping**

**ERC is conducting daily Health and Safety meetings.**

The County/SCS reminded ERC that the Southeast County Landfill is an active landfill. ERC was reminded to incorporate Health and Safety policies, especially LFG H&S measurements, into all activities related to construction on Section 8.

ERC discussed monitoring would be conducted, especially when the cleanouts and geomembrane tie-in with Section 7 was to be accomplished.

### **Safety Meeting Schedule**

ERC indicated that Safety Meetings are being conducted daily prior to starting work.

## **10. Other Issues**

None at this time.



**SIGN IN SHEET - PROGRESS MEETING #23**  
DATE: 7/12/05

[illegible]



**ATTACHMENT D**  
**HDPE / Clay Interface Shear Test**







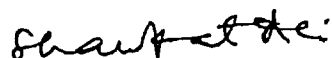
-2-

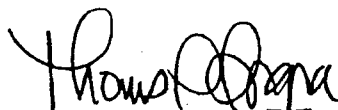
ERC General Contracting Services, Inc.  
File Number 05-030

in Figure 6. The Mohr-Coulomb failure envelopes at peak shear stress and at the end of the test based on linear regression of the measured data are also plotted in Figure 6.

If you have any questions about the test results or require additional testing services, please contact us.

Very truly yours,  
ARDAMAN & ASSOCIATES, INC.

  
Shawkat Ali, Ph.D., P.E.  
Quality Control Manger

  
Thomas S. Ingra, P.E.  
Laboratory Director  
Florida Registration No. 31987



# ARDAMAN & ASSOCIATES, INC. GEOSYNTHETICS LABORATORY

## INTERFACE DIRECT SHEAR TEST REPORT ASTM STANDARD D 5321

CLIENT: ERC General Contracting Services, Inc.

PROJECT: SE Landfill Liner Testing

FILE NO.: 05-030

DATE REPORTED: 04/05/05

METHOD:

- ☐ PROCEDURE A - GEOSYNTHETIC & GEOSYNTHETIC  
☒ PROCEDURE B - SOIL & GEOSYNTHETIC

TEST CONDITIONS: ☐ DRY ☒ SUBMERGED

UPPER MATERIAL

DESCRIPTION: Orange Clayey Sand

INCOMING SAMPLE NO.: McKintosh Pit Sample

LABORATORY IDENTIFICATION NO.: 05030/Soil 1

LOWER MATERIAL

DESCRIPTION: Textured 60-mil HDPE Geomembrane

INCOMING SAMPLE NO.: Roll 102115586

LABORATORY IDENTIFICATION NO.: 05030/GM

STABILIZATION PERIOD: 24 HOURS

DISPLACEMENT RATE: 0.04 INCH/MINUTE

Test	Soil Conditions				Normal stress, $\sigma_n$ (lb/in <sup>2</sup> )	Peak Interface Resistance			Interface Resistance at End of Test		
	Initial		Final			$\tau/\sigma_n$	$\gamma_h$ (inches)	$\phi_i$ (deg.)	$\tau/\sigma_n$	$\gamma_h$ (inches)	$\phi_i$ (deg.)
	$w_c$ %	$\gamma_d$ (pcf)	$w_c$ (%)	$\gamma_d$ (pcf)							
1	17.1	105.8	21.6	—	7.0	0.71	1.08	35.5	0.62	2.75	31.8
2	17.2	105.8	18.6	—	35.0	0.55	1.87	28.6	0.54	2.35	28.6
3	16.7	105.8	21.6	—	70.0	0.50	1.72	26.6	0.48	2.80	25.6

Comments: 1) Final  $W_c$  (ASTM D 2216) for clayey sand from average of 3 specimens.  
2) Tests performed using Brinard-Killman device with 5000 lb load cell, 4" DCDT and 200 psi pressure transducer. Textured geomembrane clamped in MD to lower 14" x 20" friction plate of device. Soil compacted in 1-inch thick lift in the upper 12" x 12" square portion of the apparatus.

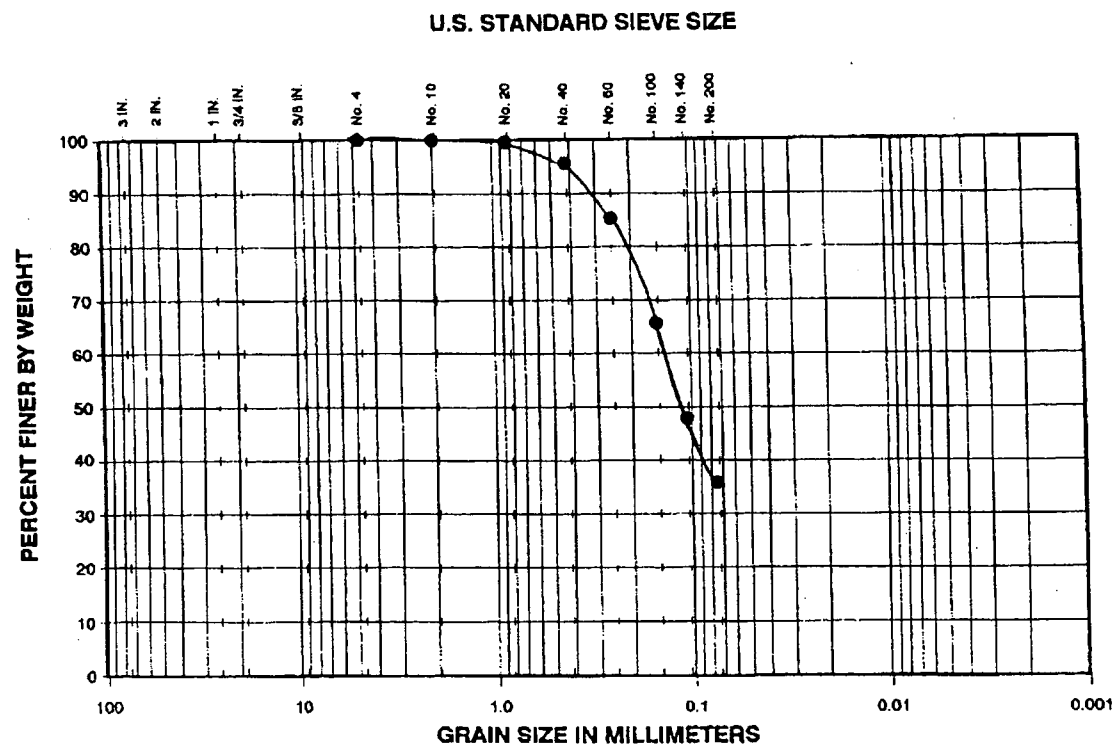
The test data and all associated project information presented hereon shall be held in confidence and disclosed to other parties only with the authorization of the Client or Ardaman & Associates, Inc. Physical and electronic records of each project are kept for a minimum of 7 years. Test samples are kept in storage for at least 10 working days after mailing of the test report, prior to being discarded, unless a longer storage period is requested in writing and accepted by Ardaman & Associates, Inc.

Where:  $w_c$  = Moisture content;  $\gamma_d$  = Dry density;  $\sigma_n$  = Normal stress;  $\tau$  = Shear stress;  $\gamma_h$  = Horizontal displacement; and  $\phi_i$  = Interface friction angle in degrees calculated assuming zero adhesion.

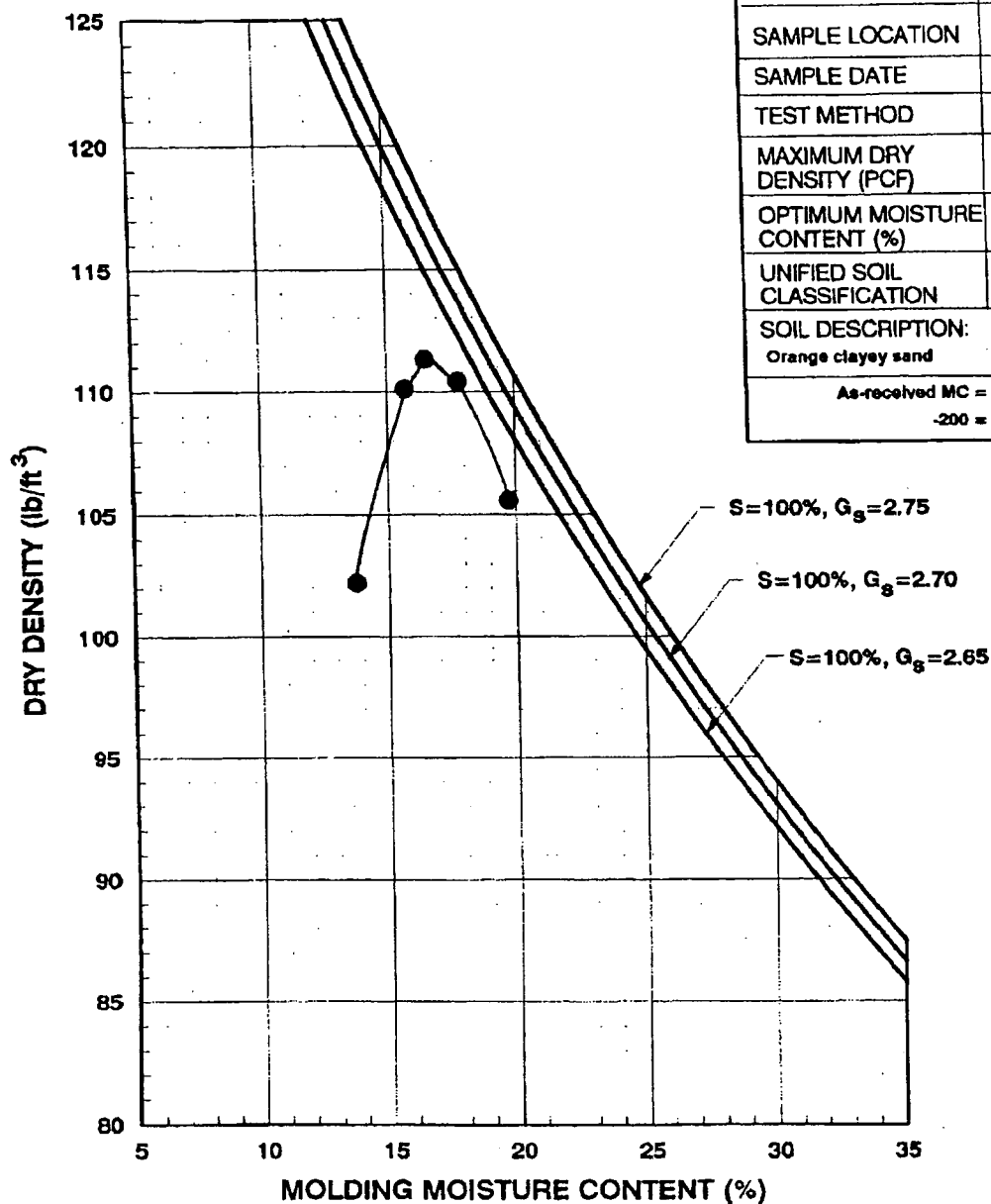
Checked By: SA

Date: 04/05/05









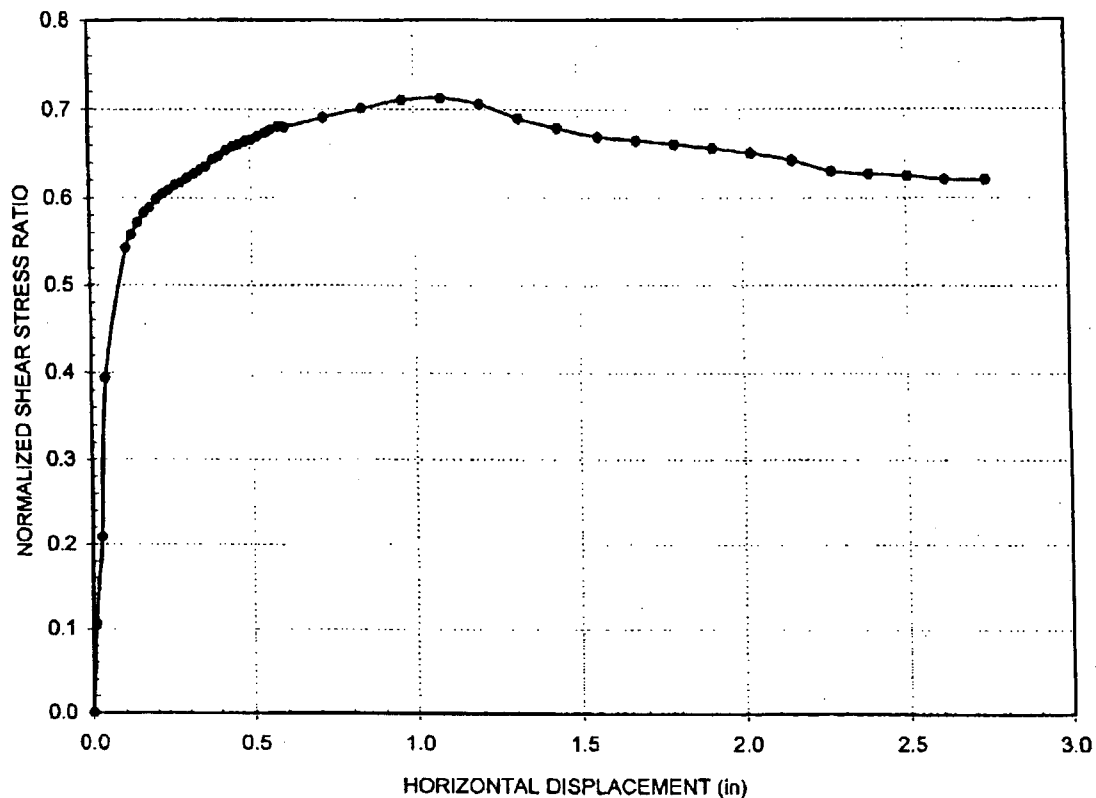
# SUMMARY OF TEST RESULTS

SAMPLE NO.	McKINTOSH PIT
SAMPLED BY	--
SAMPLE LOCATION	--
SAMPLE DATE	--
TEST METHOD	ASTM D-698
MAXIMUM DRY DENSITY (PCF)	111.4
OPTIMUM MOISTURE CONTENT (%)	16.9
UNIFIED SOIL CLASSIFICATION	SC
SOIL DESCRIPTION: Orange clayey sand	
As-received MC = 13.6%	
-200 = 35.9%	

## STANDARD PROCTOR COMPACTION TEST ON McKINTOSH PIT CLAYEY SAND



<b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants			
SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS ERC GENERAL CONTRACTING SERVICES, INC. WINTER GARDEN, FLORIDA			
DESIGNED BY: SA	CHECKED BY: SA	DATE: 04-05-05	
FILE NO. 05-030	APPROVED BY: <i>[Signature]</i>	FIGURE: 2	



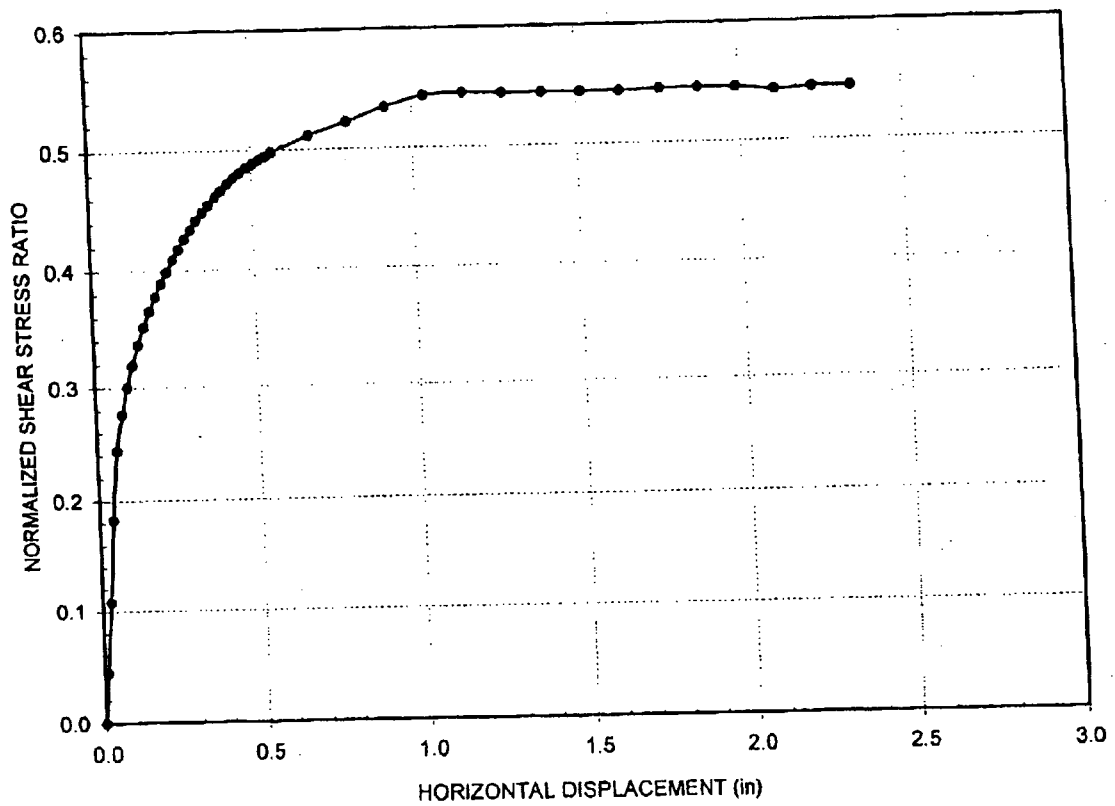


**DIRECT SHEAR TEST OF TEXTURED 60-MIL HDPE GEOMEMBRANE  
AND McKINTOSH PIT CLAYEY SAND INTERFACE**

Normal Stress (lb/in<sup>2</sup>) 7.0  
Displacement Rate (in/min) 0.04  
Peak Friction Angle° 35.5



			
Ardaman & Associates, Inc. Geotechnical, Environmental and Materials Consultants			
SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS			
ERC GENERAL CONTRACTING SERVICES, INC.			
DRAWN BY:	SA	CHECKED BY:	SA
FILE NO.	05-030	APPROVED BY:	
		DATE	04-05-05
		FIGURE	3



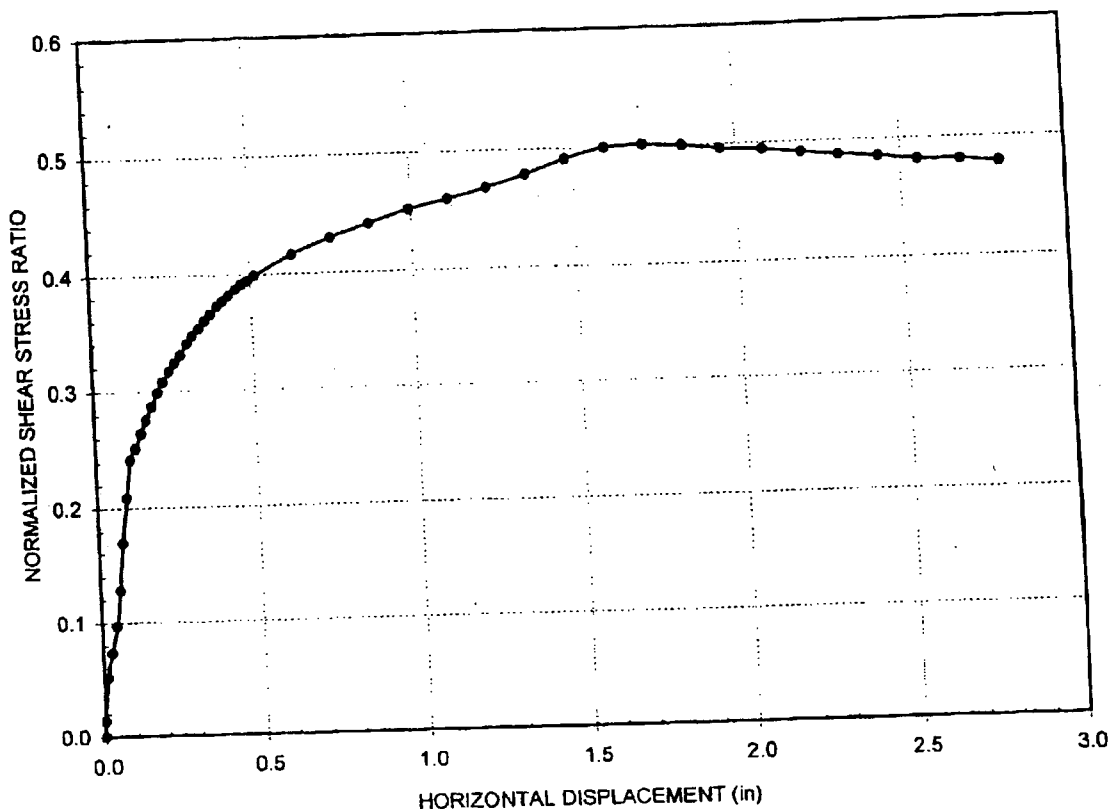


**DIRECT SHEAR TEST OF TEXTURED 60-MIL HDPE GEOMEMBRANE  
AND McKINTOSH PIT CLAYEY SAND INTERFACE**

Normal Stress (lb/in<sup>2</sup>)      35.0  
Displacement Rate (in/min)   0.04  
Peak Friction Angle°        28.6

			
Ardaman & Associates, Inc. Geotechnical, Environmental and Materials Consultants			
SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS			
ERC GENERAL CONTRACTING SERVICES, INC.			
DRAWN BY	SA	CHECKED BY	SA
FILE NO.	05-030	APPROVED BY	
			DATE 04-05-05
			FIGURE 4



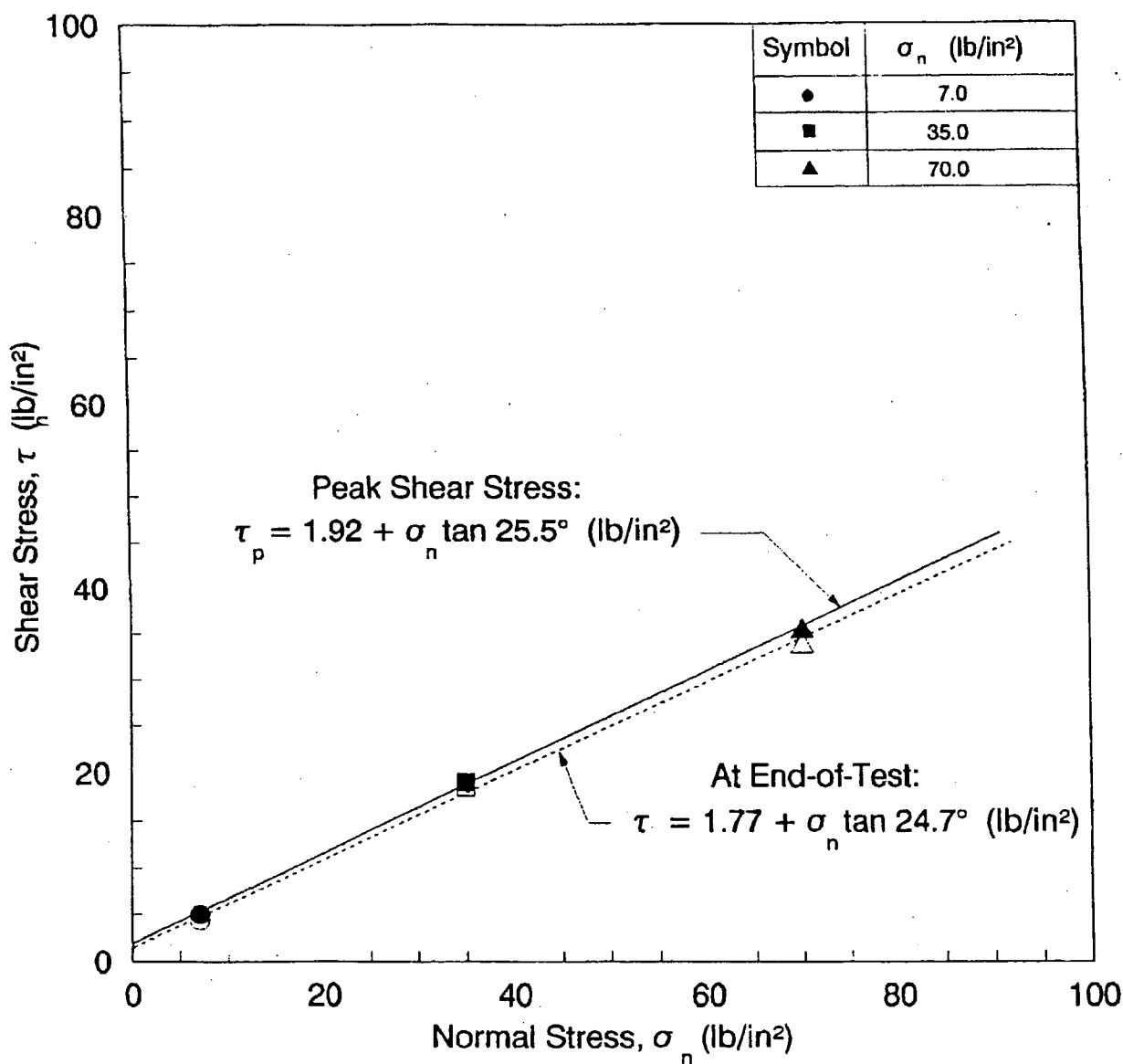


## DIRECT SHEAR TEST OF TEXTURED 60-MIL HDPE GEOMEMBRANE AND MCKINTOSH PIT CLAYEY SAND INTERFACE



Normal Stress (lb/in<sup>2</sup>)      70.0  
 Displacement Rate (in/min)   0.04  
 Peak Friction Angle °        26.6

<b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants			
SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS ERC GENERAL CONTRACTING SERVICES, INC.			
DRAWN BY: SA	CHECKED BY: SA	DATE: 04-05-05	
FILE NO. 05-030	APPROVED BY:	FIGURE 5	





**MOHR-COULOMB FAILURE ENVELOPE FROM INTERFACE  
 DIRECT SHEAR TESTS BETWEEN TEXTURED 60-MIL HDPE  
 GEOMEMBRANE AND McKINTOSH PIT CLAYEY SAND**

 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants			
SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS ERC GENERAL CONTRACTING SERVICES, INC. WINTER GARDEN, FLORIDA			
DRAWN BY: SA	CHECKED BY: SA	DATE: 04-05-05	
PEE NO 05-030	APPROVED BY: 	FIGURE: 6	



**ATTACHMENT E**  
**HDPE / Geocomposite Interface Shear Test**







Ardaman & Associates, Inc.

Consultants in Soils, Hydrogeology,  
Foundations and Materials Testing

Date: April 11, 2005

File No.: 05-030

## COVER SHEET FOR FACSIMILE TRANSMISSION

### MESSAGE TO:

Company Name: ERC General Contracting Services, Inc.

Attention: Nestor Reyes

FAX Number: (407) 656-2128

### MESSAGE FROM:

Sender: Tom Ingra/Shawkat Ali 

Faxed By: Receptionist

FAX Number: (407) 859-8121

Comments: Enclosed is the final letter report for direct shear tests on Geonet/Geotextile Composite and Textured 60-mil HDPE Geomembrane interfaces for Southeast Landfill project.

**Total number of pages sent (including this cover sheet):** 9  
*If this message is incomplete or not legible, please contact me at*  
**(407) 855-3860**





Ardaman & Associates, Inc.

Geotechnical, Environmental and  
Materials Consultants

April 11, 2005  
File Number 05-030

ERC General Contracting Services, Inc.  
890 Carter Road, Suite 170  
Winter Garden, Florida 34787

Attention: Mr. Nestor Reyes

Subject: Interface Resistance Between Geonet/Geotextile Composite and Textured 60-mil HDPE  
Geomembrane, Southeast Landfill Project

Gentlemen:

As requested, direct shear tests have been performed to measure the interface resistance between samples of geonet/geotextile (colored orange) composite and textured 60-mil HDPE geomembrane.

#### Geocomposite and Textured Geomembrane Samples

A geonet/geotextile composite sample was received on February 14, 2005. The rolled geocomposite sample was labeled TENAX Tendrain 770-2 (Rolls 4504021 and 4504095). A textured 60-mil geomembrane sample was received from GSE Lining Technology, Inc. and was labeled Roll 102115586.

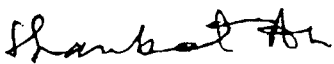
#### Direct Shear Tests

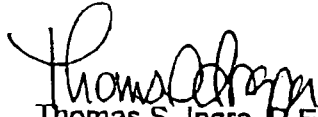
Five direct shear tests were performed in general accordance with ASTM Standard D 5321 "Determining the Coefficient of Soil and Geosynthetic or Geosynthetic and Geosynthetic Friction by the Direct Shear Method" (Procedure A). Samples of the textured geomembrane with dimensions of 14 inches by 20 inches were clamped to the lower portion of the direct shear apparatus for testing in the machine direction. The geocomposite was bonded to the one 1-inch thick plexiglass plate in the upper 12 inch by 12 inch square portion of the apparatus. Normal stresses of approximately 10, 21, 42, 83 and 120 lb/in<sup>2</sup> were applied, and the interface was submerged below water. After a 24 hour stabilization period, the interface was sheared at a constant horizontal displacement rate of 0.04 inches/minute.

The test results are presented in the attached table. The normalized shear stress ratio (i.e., the ratio of the shear stress to the normal stress) versus horizontal displacement for the tests are plotted in Figures 1 through 5. The peak shear stress versus the normal stress are presented in Figure 6. The Mohr-Coulomb failure envelopes at peak shear stress and at the end of the test based on linear regression of the measured data are also plotted in Figure 6.

If you have any questions about the test results or require additional testing services, please contact us.

Very truly yours,  
ARDAMAN & ASSOCIATES, INC.

  
Shawkat Ali, Ph.D., P.E.  
Quality Control Manager

  
Thomas S. Ingra, P.E.  
Laboratory Director  
Florida Registration No. 31987



# ARDAMAN & ASSOCIATES, INC. GEOSYNTHETICS LABORATORY

## INTERFACE DIRECT SHEAR TEST REPORT ASTM STANDARD D 5321

CLIENT: ERC General Contracting Services, Inc.

PROJECT: SE Landfill Liner Testing

FILE NO.: 05-030

DATE REPORTED: 04/11/05

METHOD:

- ☒ PROCEDURE A - GEOSYNTHETIC & GEOSYNTHETIC  
☐ PROCEDURE B - SOIL & GEOSYNTHETIC

TEST CONDITIONS: ☐ DRY ☒ SUBMERGED

UPPER MATERIAL

DESCRIPTION: Tenax Tendrain 770-2

INCOMING SAMPLE NO.: Rolls 4504021 & 4504095

LABORATORY IDENTIFICATION NO.: 05030/GT

LOWER MATERIAL

DESCRIPTION: GSE Textured 60-mil HDPE Geomembrane

INCOMING SAMPLE NO.: Roll 102115586

LABORATORY IDENTIFICATION NO.: 05030/GM

STABILIZATION PERIOD: 24 HOURS

DISPLACEMENT RATE: 0.04 INCH/MINUTE

Test	Soil Conditions				Normal stress, $\sigma_n$ (lb/in <sup>2</sup> )	Peak Interface Resistance			Interface Resistance at End of Test		
	Initial		Final			$\tau/\sigma_n$	$\gamma_n$ (inches)	$\phi$ (deg.)	$\tau/\sigma_n$	$\gamma_n$ (inches)	$\phi$ (deg.)
	$w_c$ (%)	$\gamma_d$ (pcf)	$w_c$ (%)	$\gamma_d$ (pcf)							
1	—	—	—	—	10.1	0.46	0.23	24.6	0.29	2.81	16.1
2	—	—	—	—	21.0	0.43	0.55	23.2	0.26	2.48	14.8
3	—	—	—	—	41.8	0.41	0.23	22.5	0.22	2.97	12.6
4	—	—	—	—	83.3	0.43	0.24	23.2	0.21	2.62	11.8
5	—	—	—	—	120.4	0.39	0.24	21.4	0.20	2.98	11.4

Comments: Tests performed using Brinard-Killman device with 5000 lb load cell, 4" DCDT and 200 psi pressure transducer. Textured geomembrane clamped in MID to lower 14" x 20" friction plate of device. Geocomposite bonded to 1-inch thick plate in the upper 12" x 12" square portion of the apparatus in MID.

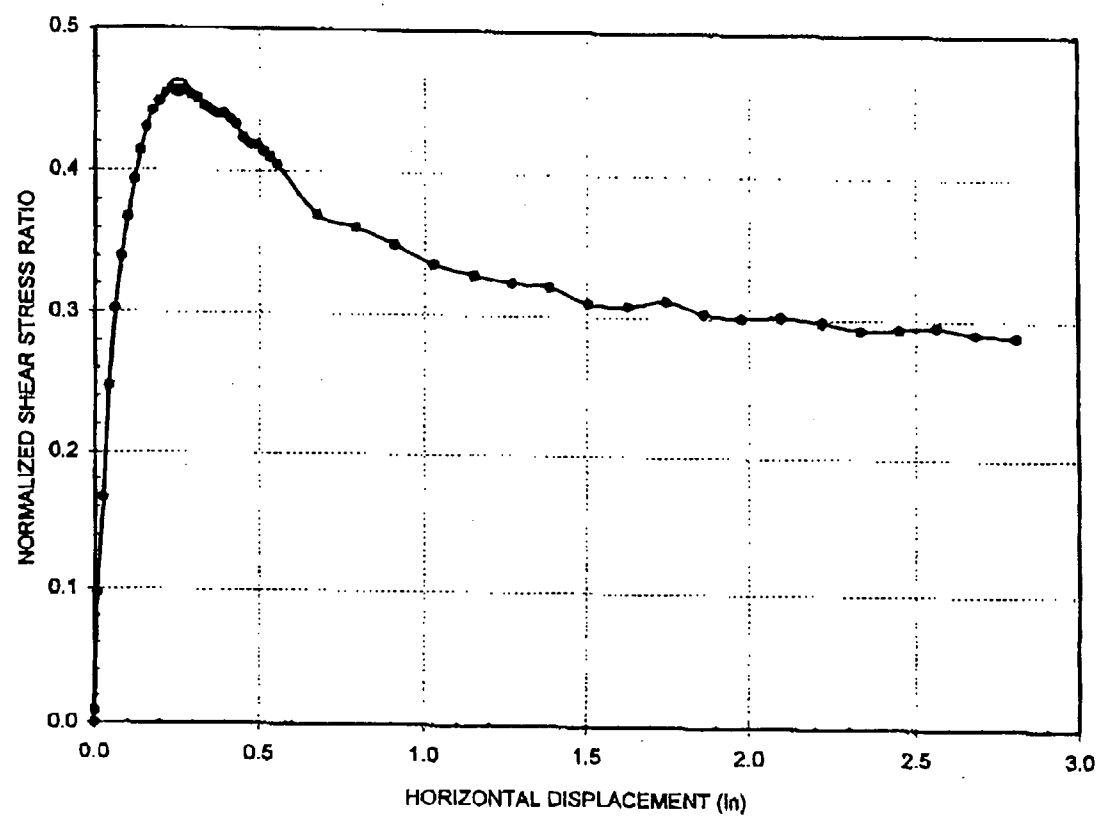
The test data and all associated project information presented hereon shall be held in confidence and disclosed to other parties only with the authorization of the Client or Ardaman & Associates, Inc. Physical and electronic records of each project are kept for a minimum of 7 years. Test samples are kept in storage for at least 10 working days after mailing of the test report, prior to being discarded, unless a longer storage period is requested in writing and accepted by Ardaman & Associates, Inc.

Where:  $w_c$  = Moisture content;  $\gamma_d$  = Dry density;  $\sigma_n$  = Normal stress;  $\tau$  = Shear stress;  $\gamma_n$  = Horizontal displacement; and  $\phi$  = Interface friction angle in degrees calculated assuming zero adhesion.

Checked By: TM



Date: 04/11/05



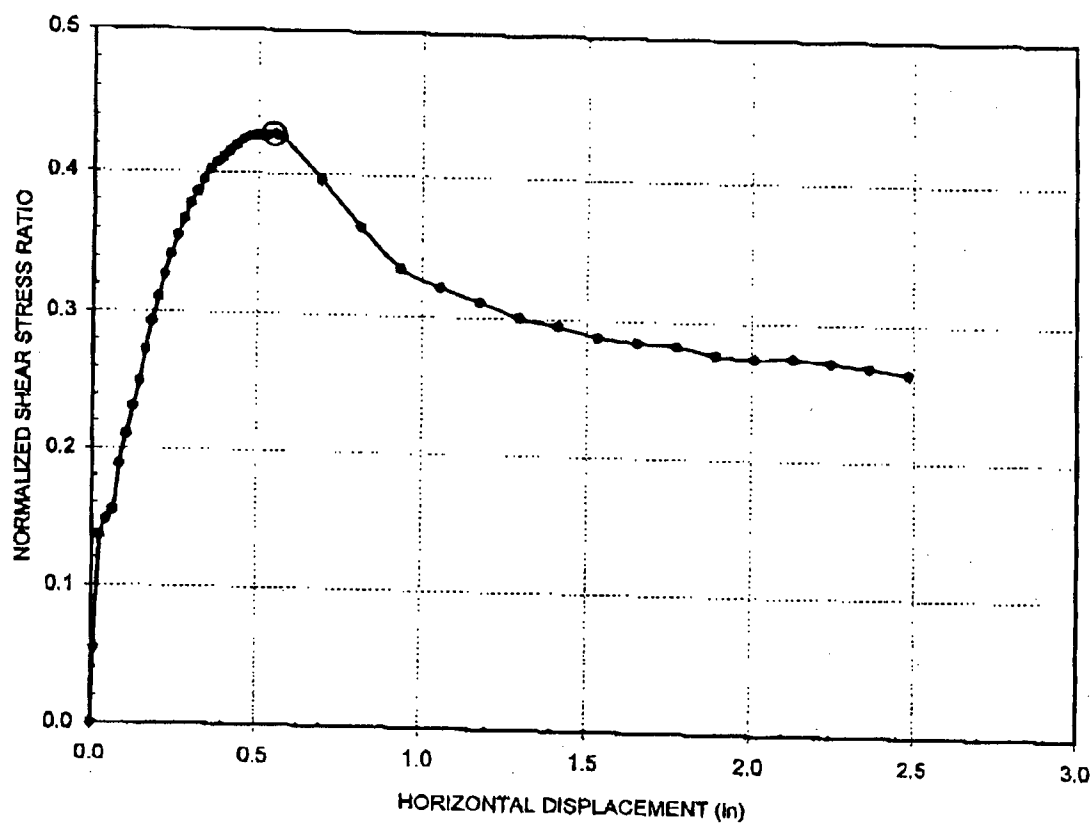


**DIRECT SHEAR TEST OF TENAX TENDRAIN 770-2 GEOCOMPOSITE  
AND TEXTURED 60-MIL HDPE GEOMEMBRANE INTERFACE**

Normal Stress (lb/in<sup>2</sup>) 10.1  
Displacement Rate (in/min) 0.04  
Peak Friction Angle ° 24.6



			
Ardaman & Associates, Inc. Geotechnical, Environmental and Materials Consultants			
SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS			
ERC GENERAL CONTRACTING SERVICES, INC.			
DRAWN BY	SA	CHECKED BY: SA	DATE 04.11.05
FILE NO:	05-030	APPROVED BY 	FIGURE: 1



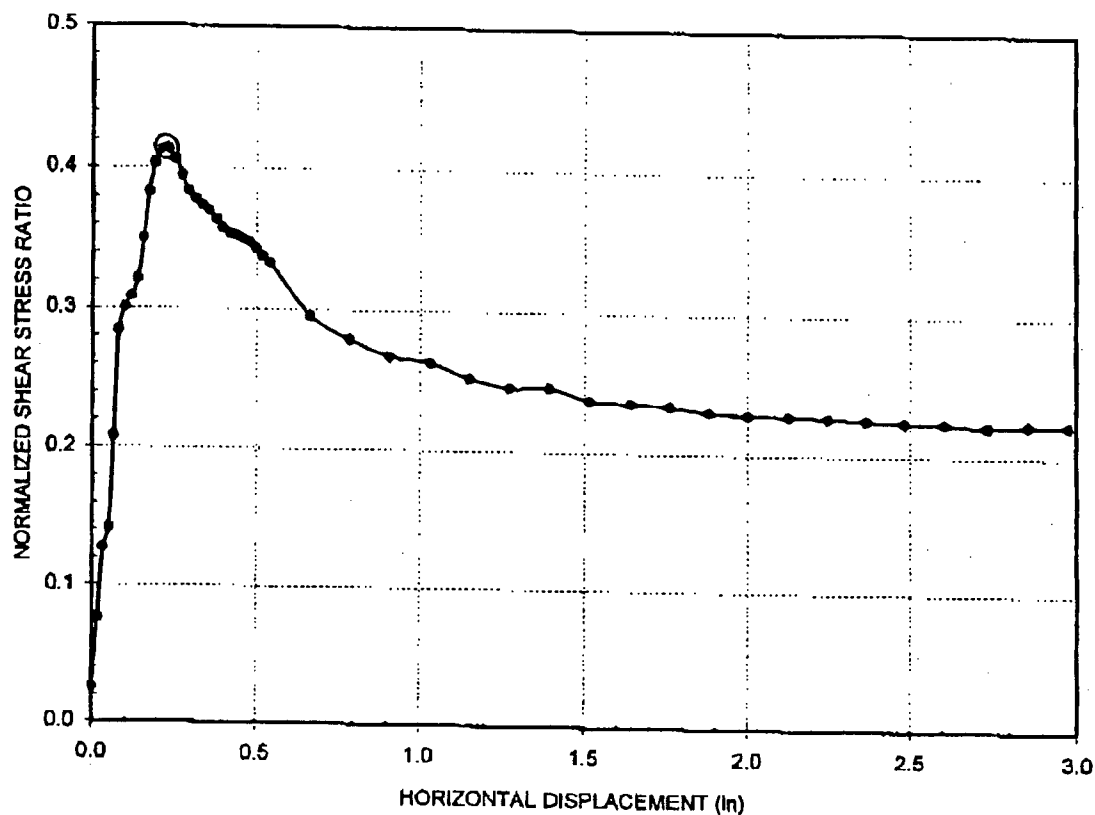


**DIRECT SHEAR TEST OF TENAX TENDRAIN 770-2 GEOCOMPOSITE  
AND TEXTURED 60-MIL HDPE GEOMEMBRANE INTERFACE**

Normal Stress (lb/in<sup>2</sup>) 21.0  
Displacement Rate (in/min) 0.04  
Peak Friction Angle ° 23.2


		
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SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS		
ERC GENERAL CONTRACTING SERVICES, INC.		
DRAWN BY: SA	CHECKED BY: SA	DATE: 04.11.05
FILE NO.: 06-039	APPROVED BY: 	FIGURE: 2



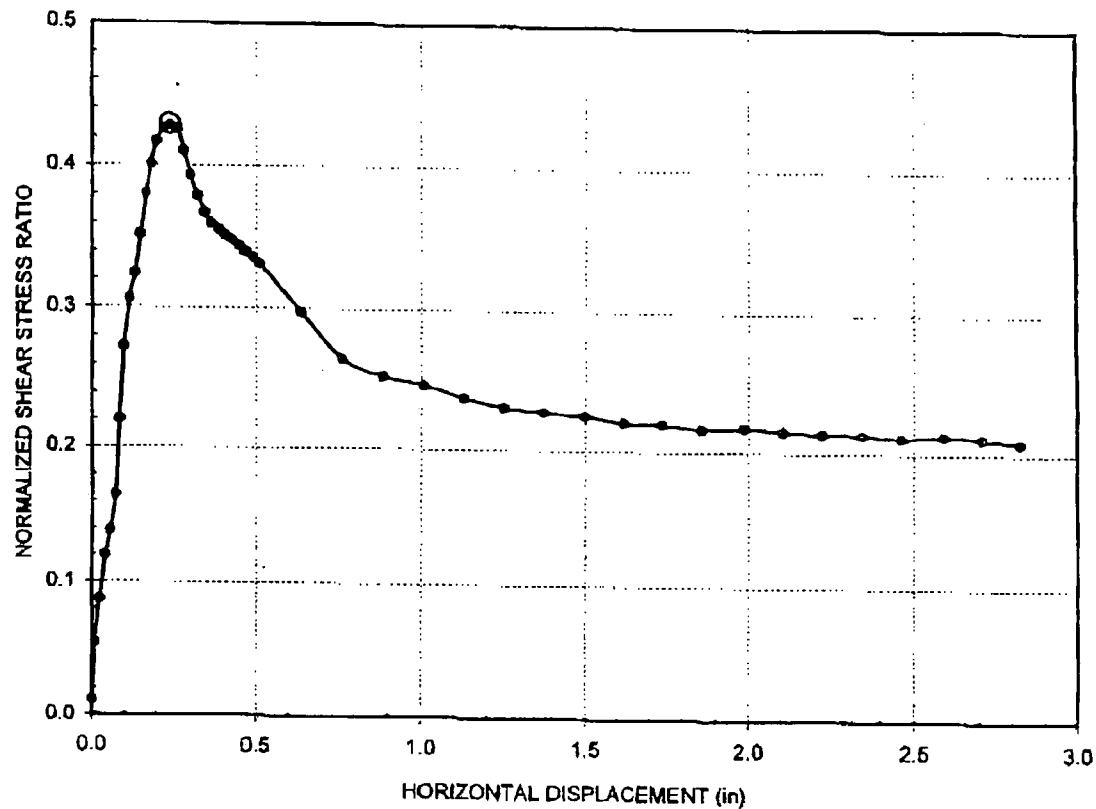


**DIRECT SHEAR TEST OF TENAX TENDRAIN 770-2 GEOCOMPOSITE  
AND TEXTURED 60-MIL HDPE GEOMEMBRANE INTERFACE**

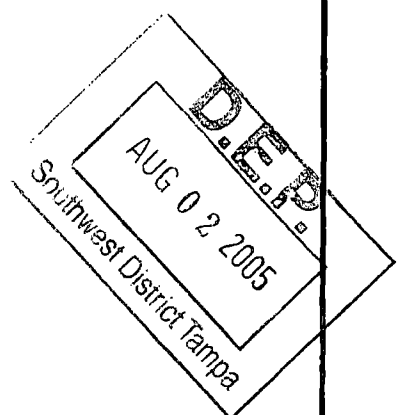
Normal Stress (lb/in<sup>2</sup>) 41.8  
Displacement Rate (in/min) 0.04  
Peak Friction Angle ° 22.5

			
Ardaman & Associates, Inc. Geotechnical, Environmental and Materials Consultants			
SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS			
ERC GENERAL CONTRACTING SERVICES, INC.			
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FILE NO.	08-036	APPROVED BY.	TM
		DATE	04-11-05
		FIGURE	3







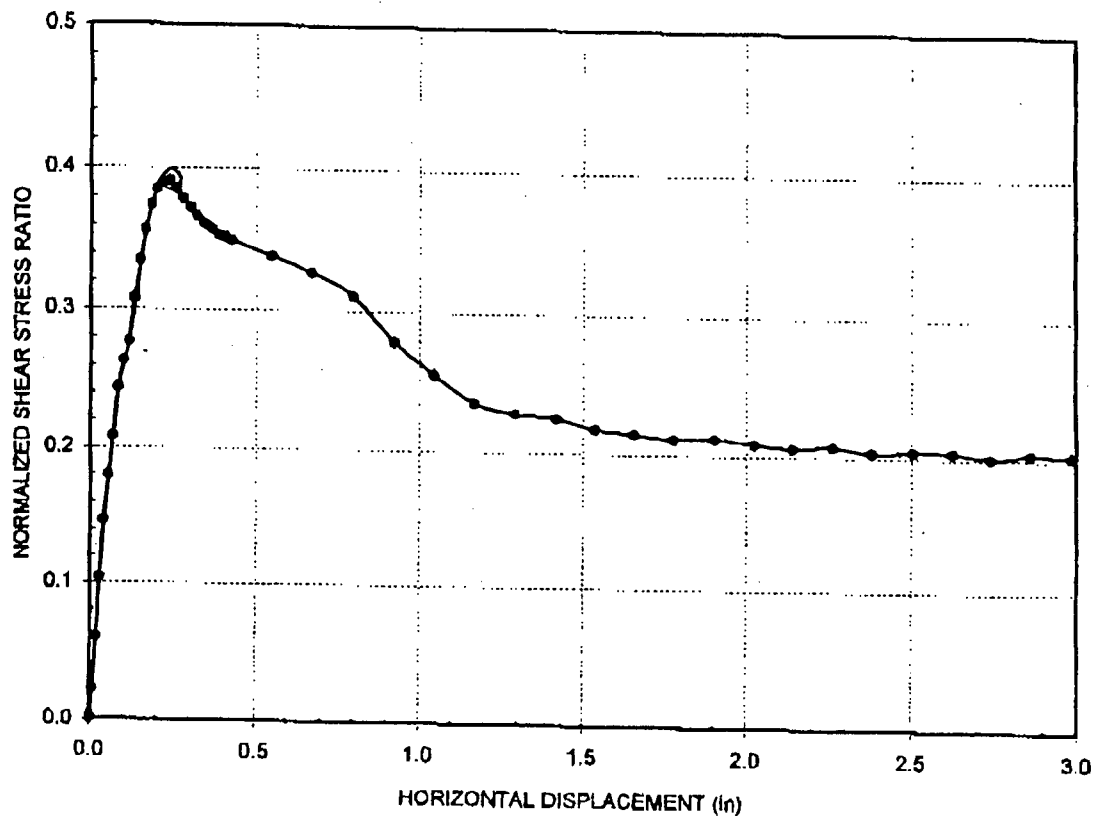
**DIRECT SHEAR TEST OF TENAX TENDRAIN 770-2 GEOCOMPOSITE  
AND TEXTURED 60-MIL HDPE GEOMEMBRANE INTERFACE**



Normal Stress (lb/in<sup>2</sup>) 83.3  
Displacement Rate (in/min) 0.04  
Peak Friction Angle ° 23.2



		
Ardaman & Associates, Inc. Geotechnical, Environmental and Materials Consultants		
SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS		
ERC GENERAL CONTRACTING SERVICES, INC.		
DRAWN BY: SA	CHECKED BY: SA	DATE: 04-11-05
FILE NO.: 05-030	APPROVED BY: 	FIGURE: 4



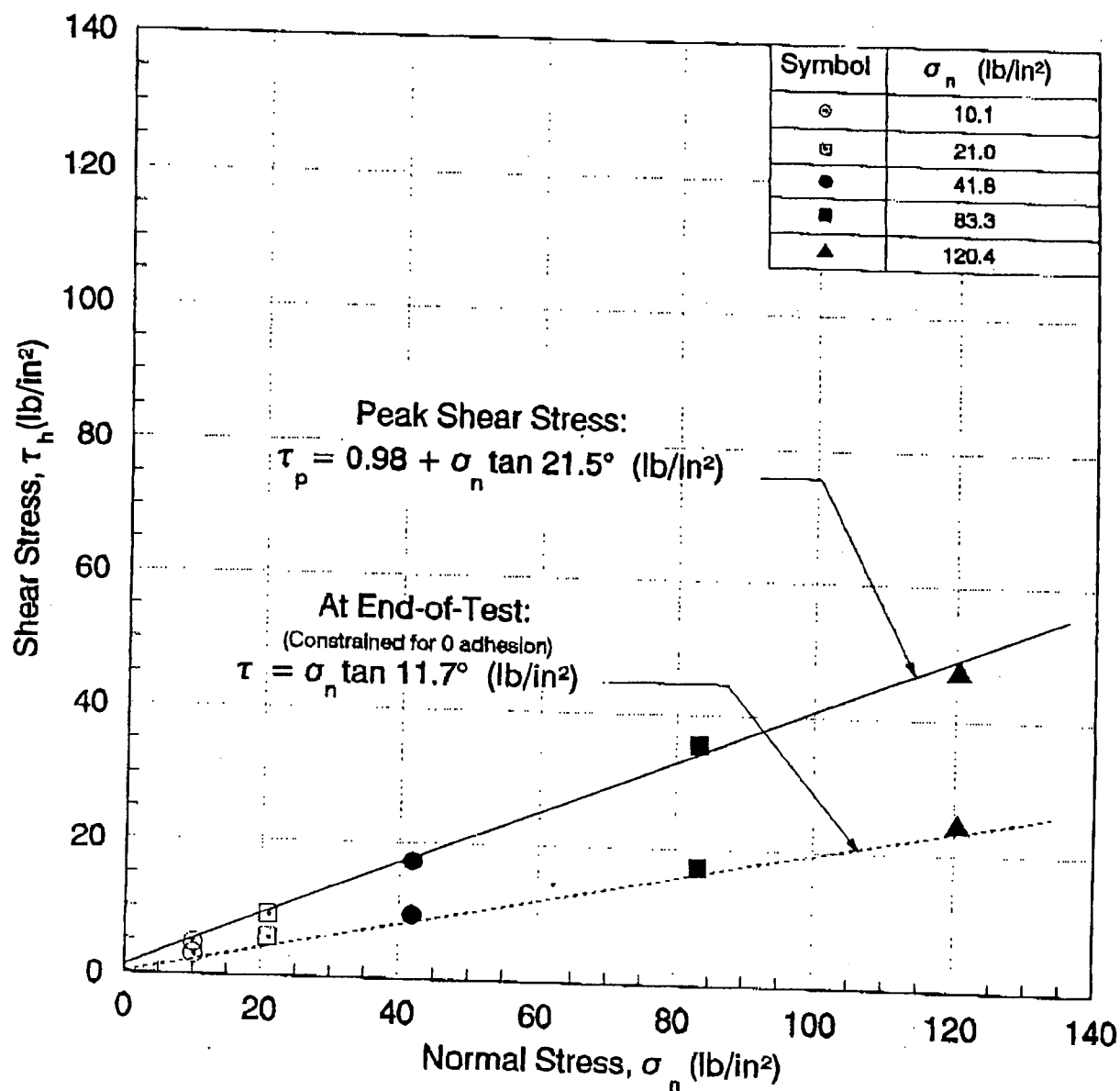


**DIRECT SHEAR TEST OF TENAX TENDRAIN 770-2 GEOCOMPOSITE  
AND TEXTURED 60-MIL HDPE GEOMEMBRANE INTERFACE**



Normal Stress (lb/in<sup>2</sup>) 120.4  
Displacement Rate (in/min) 0.04  
Peak Friction Angle° 21.4

 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants			
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FILE NO. 05-030	APPROVED BY: 	FIGURE 5	



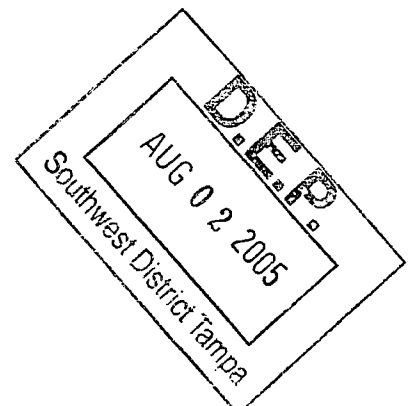


**MOHR-COULOMB FAILURE ENVELOPE FROM INTERFACE  
DIRECT SHEAR TESTS BETWEEN TENAX TENDRAIN 770-2  
AND TEXTURED 60-MIL HDPE GEOMEMBRANE**

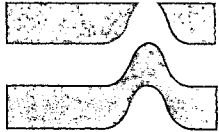
 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants			
<b>SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS</b>			
<b>ERC GENERAL CONTRACTING SERVICES, INC.</b> WINTER GARDEN, FLORIDA			
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FILE NO: 05-030	APPROVED BY: 	FIGURE: 6	



**ATTACHMENT F**  
**Protective Soil / Geocomposite Interface Shear Test**







Ardaman & Associates, Inc.

Geotechnical, Environmental and  
Materials Consultants

April 11, 2005  
File Number 05-030

ERC General Contracting Services, Inc.  
890 Carter Road, Suite 170  
Winter Garden, Florida 34787

Attention: Mr. Nestor Reyes

Subject: Interface Resistance Between Geonet/Geotextile Composite and Shelly Lakes  
Sand, Southeast Landfill Project

Gentlemen:

As requested, direct shear tests have been performed to measure the interface resistance between geonet/geotextile (colored orange) composite and Shelly Lakes sand. This report updates the previous report submitted April 1, 2005, and presents one additional direct shear test.

### **Soil and Geocomposite Samples**

The soil sample was received March 14, 2005 in a 5-gallon bucket. The sample visually classified as brown medium to fine sand with silt and clay. The as-received moisture content (ASTM Standard D 2216) of the sample, after homogenizing, equaled 13.6%. The particle-size distribution (ASTM D 422) of the sample is presented graphically in Figure 1. Standard Proctor compaction test results (ASTM D 698) reported by Burcaw Geotechnical Group, Inc. for the sample indicated a maximum dry density of 98.7 lb/ft<sup>3</sup> and optimum moisture content of 19.6%.

A geonet/geotextile composite sample was also received for testing on March 14, 2005. The rolled sample was not labeled with a roll number or product description, but was subsequently identified as TENAX Tendrain 770-2.

### **Direct Shear Tests**

Three direct shear tests were performed in general accordance with ASTM Standard D 5321 "Determining the Coefficient of Soil and Geosynthetic or Geosynthetic and Geosynthetic Friction by the Direct Shear Method" (Procedure B). Samples of the geocomposite with dimensions of 14 inches by 20 inches were clamped to the lower portion of the direct shear apparatus for testing in the machine direction. The sand was compacted in one 1-inch thick lift in the upper 12 inch by 12 inch square portion of the apparatus above the top surface of the geocomposite at a moisture content of 19.6% (Standard Proctor optimum moisture content) to a target dry density of 93.8 lb/ft<sup>3</sup> (corresponding to 95% of the Standard Proctor maximum dry density). Normal stresses of approximately 21, 42, 84 and 110 lb/in<sup>2</sup> were applied, and the interface was submerged below water. After a minimum stabilization period of twenty four hours, the interface was sheared at a constant horizontal displacement rate of 0.04 inches/minute.

The test results are presented in the attached table. The normalized shear stress ratio (i.e., the ratio of the shear stress to the normal stress) versus horizontal displacement for the tests are plotted in Figures 2 through 5. The peak shear stress versus the normal stress are presented



in Figure 6. The Mohr-Coulomb failure envelopes at peak shear stress based on linear regression of the measured data are also plotted in Figure 6.

If you have any questions about the test results or require additional testing services, please contact us.

Very truly yours,  
ARDAMAN & ASSOCIATES, INC.



Shawkat Ali, Ph.D., P.E.  
Quality Control Manger



Thomas S. Ingra, P.E.  
Laboratory Director  
Florida Registration No. 31987



**ARDAMAN & ASSOCIATES, INC. GEOSYNTHETICS LABORATORY**

**INTERFACE DIRECT SHEAR TEST REPORT  
ASTM STANDARD D 5321**

CLIENT: ERC GENERAL CONTRACTING

PROJECT: SE LANDFILL LINER TESTING

FILE NO.: 05-030

DATE REPORTED: PRELIMINARY: 03/28/05  
FINAL: 04/01/05  
REVISED: 04/11/05 (Added test 4)

**UPPER MATERIAL**

DESCRIPTION: BROWN FINE SAND WITH SILT & CLAY  
 INCOMING SAMPLE NO.: SHELLY LAKES BACKFILL SAND  
 LABORATORY IDENTIFICATION NO.: 05030/SOIL 2

**LOWER MATERIAL**

DESCRIPTION: TENAX TENDRAIN 770-2 GEOCOMPOSITE  
 INCOMING SAMPLE NO.: NOT LABELLED  
 LABORATORY IDENTIFICATION NO.: 05030/GT

**METHOD:**

☐ PROCEDURE A - GEOSYNTHETIC & GEOSYNTHETIC  
☒ PROCEDURE B - SOIL & GEOSYNTHETIC

STABILIZATION PERIOD: 24 HOURS  
 DISPLACEMENT RATE: 0.04 INCH/MINUTE

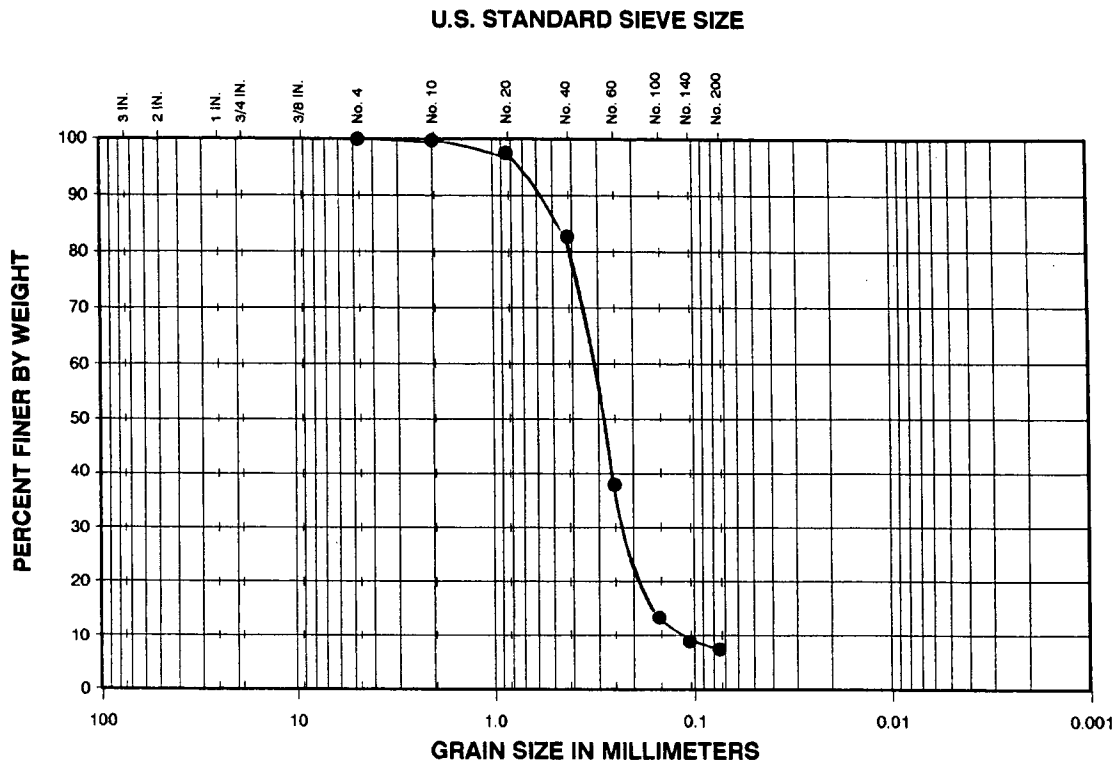
TEST CONDITIONS: ☐ DRY    ☒ SUBMERGED

Test	Soil Conditions				Normal stress, $\sigma_n$ (lb/in <sup>2</sup> )	Peak Interface Resistance			Interface Resistance at End of Test		
	Initial		Final			$\tau/\sigma_n$	$\gamma_h$ (inches)	$\phi_i$ (deg.)	$\tau/\sigma_n$	$\gamma_h$ (inches)	$\phi_i$ (deg.)
	w <sub>c</sub> %	$\gamma_d$ (pcf)	w <sub>c</sub> (%)	$\gamma_d$ (pcf)							
1	19.7	94.8	23.2	—	21.0	0.66	1.11	33.5	0.59	3.00	30.5
2	19.5	94.9	21.9	—	41.9	0.63	1.51	32.2	0.61	2.58	31.3
3	19.5	94.9	22.7	—	84.0	0.58	2.00	30.2	0.57	2.95	29.6
4	19.6	93.8	18.8	—	110.2	0.61	2.64	31.5	0.61	2.88	31.4
Comments: 1) Final W <sub>c</sub> (ASTM D 2216) for sand from average of 3 specimens. 2) Tests performed using Brainard-Killman device with 5000 lb load cell, 4" DCDT and 200 psi pressure transducer. Geocomposite clamped in MD to lower 14" x 20" friction plate of device. Soil compacted in 1-inch thick lift in the upper 12" x 12" square portion of the apparatus.											
The test data and all associated project information presented hereon shall be held in confidence and disclosed to other parties only with the authorization of the Client or Ardaman & Associates, Inc. Physical and electronic records of each project are kept for a minimum of 7 years. Test samples are kept in storage for at least 10 working days after mailing of the test report, prior to being discarded, unless a longer storage period is requested in writing and accepted by Ardaman & Associates, Inc.											
Where: w <sub>c</sub> = Moisture content; $\gamma_d$ = Dry density; $\sigma_n$ = Normal stress; $\tau$ = Shear stress; $\gamma_h$ = Horizontal displacement; and $\phi_i$ = Interface friction angle in degrees calculated assuming zero adhesion.											

Checked By: SA

Date: 4/11/05



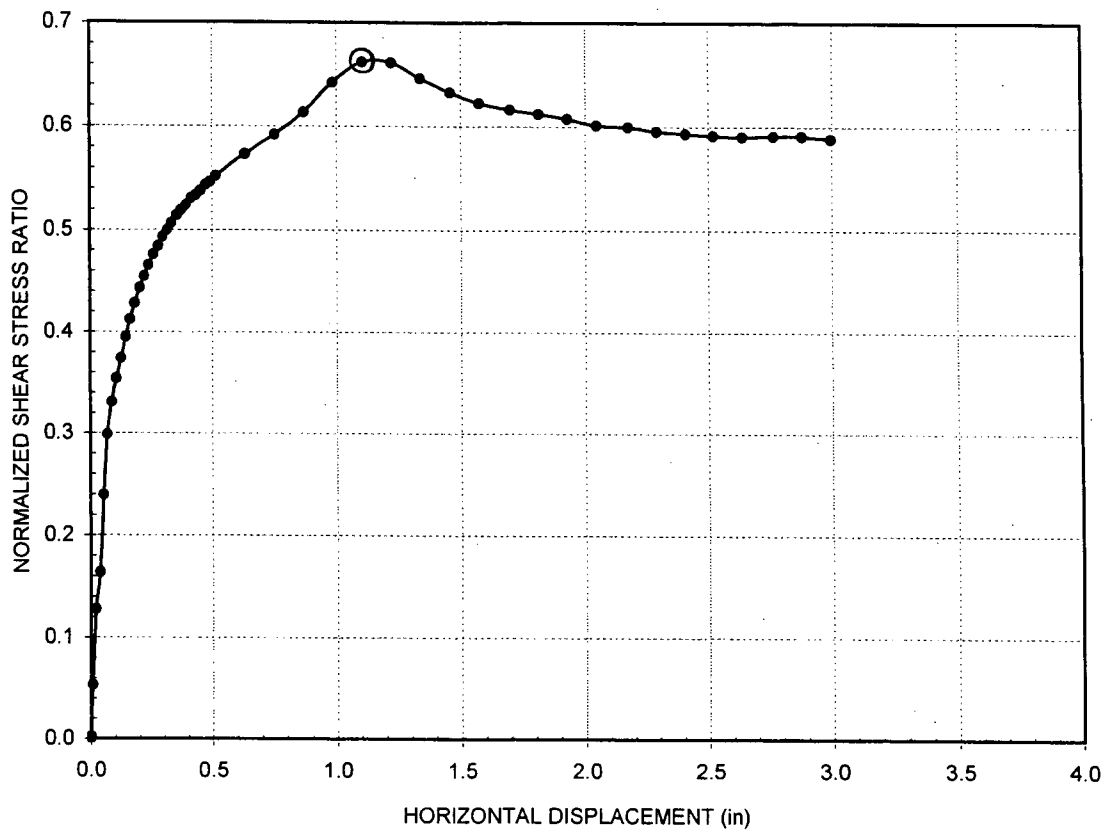


GRAVEL		SAND			SILT	CLAY
COARSE	FINE	COARSE	MEDIUM	FINE		

## PARTICLE-SIZE ANALYSIS ON SHELLY LAKES SAND



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DRAWN BY: <b>SA</b>	CHECKED BY: <b>SA</b>	DATE: <b>03-28-05</b>
FILE NO.: <b>05-030</b>	APPROVED BY: 	FIGURE: <b>1</b>



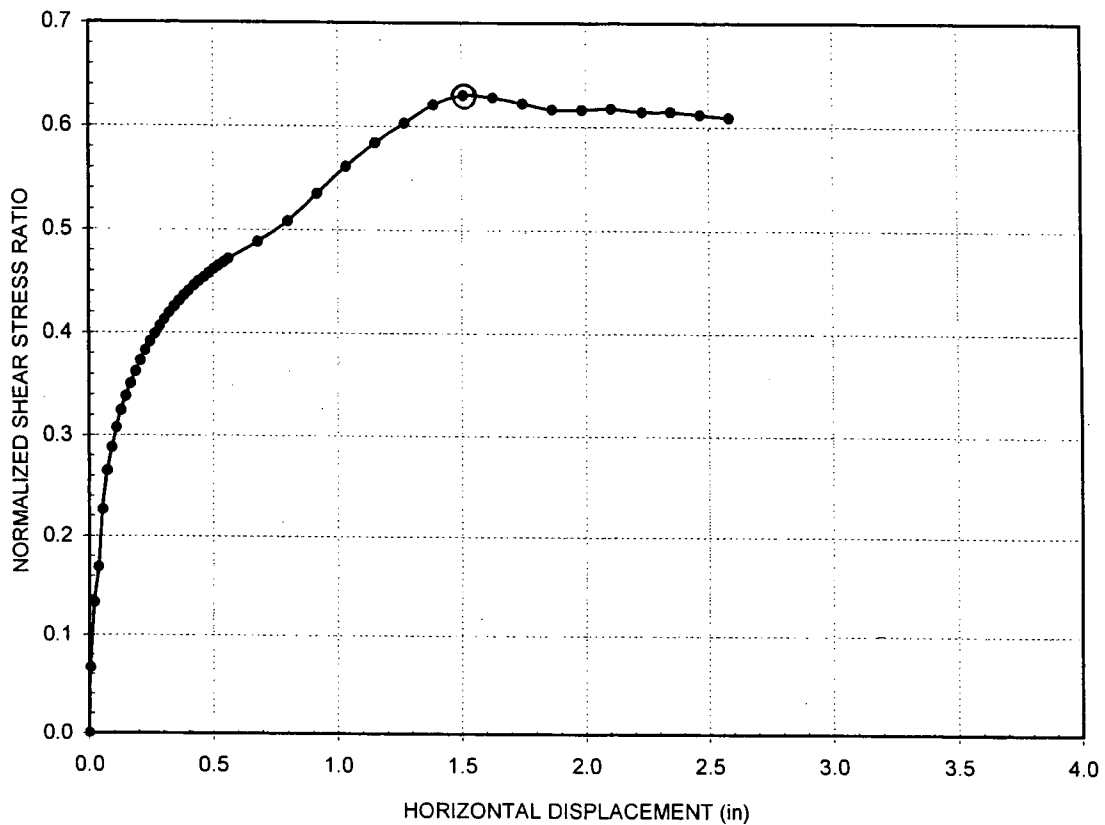


## DIRECT SHEAR TEST OF GEOCOMPOSITE AND SHELLY LAKES SAND INTERFACE

Sample Name	Geocomposite and Shelly Lakes Sand Interface
Normal Stress (lb/in <sup>2</sup> )	21.0
Displacement Rate (in/min)	0.04
Peak Friction Angle °	33.5



 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants		
SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS ERC GENERAL CONTRACTING SERVICES, INC.		
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FILE NO.: 05-030	APPROVED BY: 	FIGURE: 2



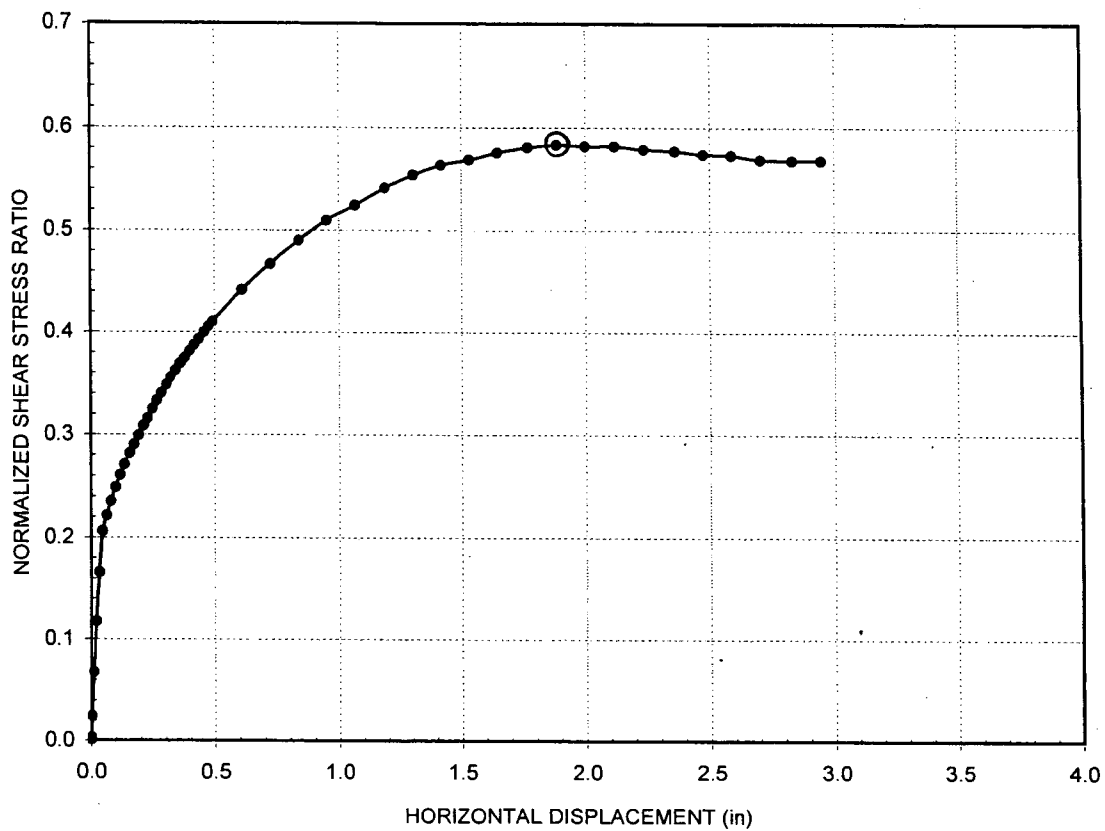


## DIRECT SHEAR TEST OF GEOCOMPOSITE AND SHELLY LAKES SAND INTERFACE

Sample Name	Geocomposite and Shelly Lakes Sand Interface
Normal Stress (lb/in <sup>2</sup> )	41.9
Displacement Rate (in/min)	0.04
Peak Friction Angle°	32.2



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ERC GENERAL CONTRACTING		
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FILE NO: 05-030	APPROVED BY: 	FIGURE: 3



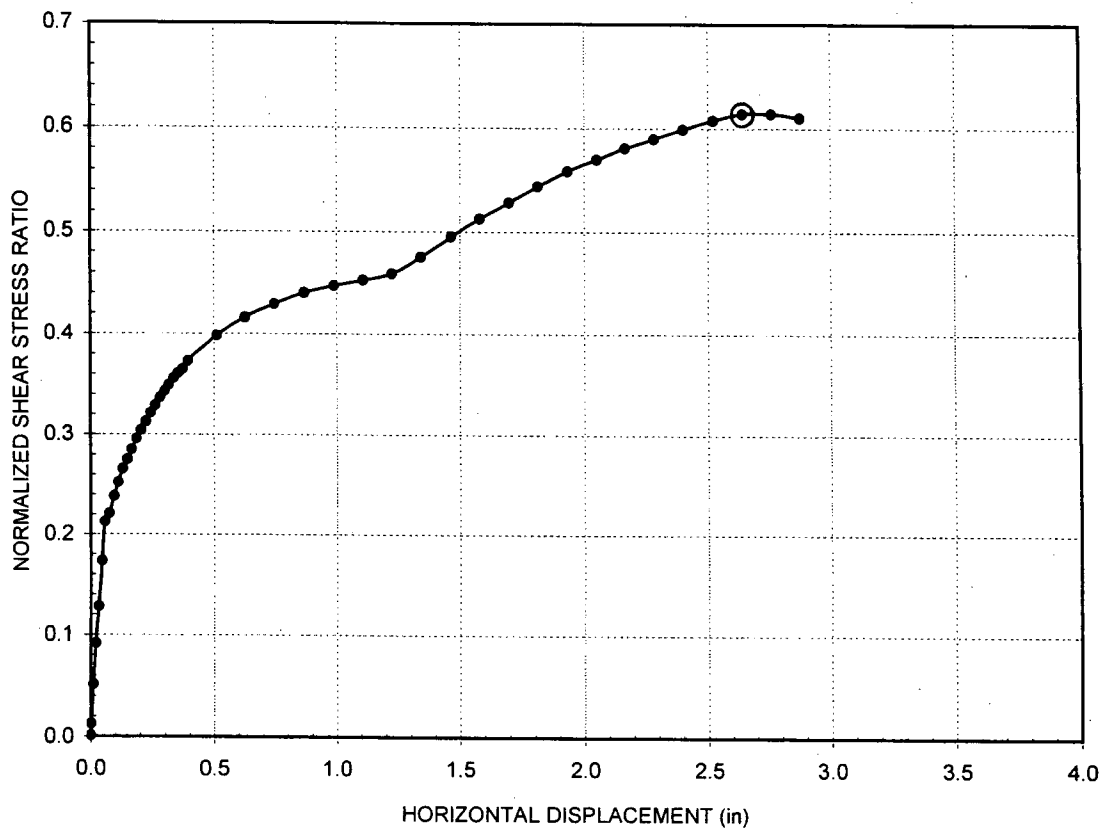


## DIRECT SHEAR TEST OF GEOCOMPOSITE AND SHELLY LAKES SAND INTERFACE

Sample Name	Geocomposite and Shelly Lakes Sand Interface
Normal Stress (lb/in <sup>2</sup> )	84.0
Displacement Rate (in/min)	0.04
Peak Friction Angle°	30.2



 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants		
SOUTHEAST LANDFILL LINER INTERFACE DIRECT SHEAR TESTS ERC GENERAL CONTRACTING SERVICES, INC.		
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FILE NO.: 05-030	APPROVED BY: 	FIGURE: 4



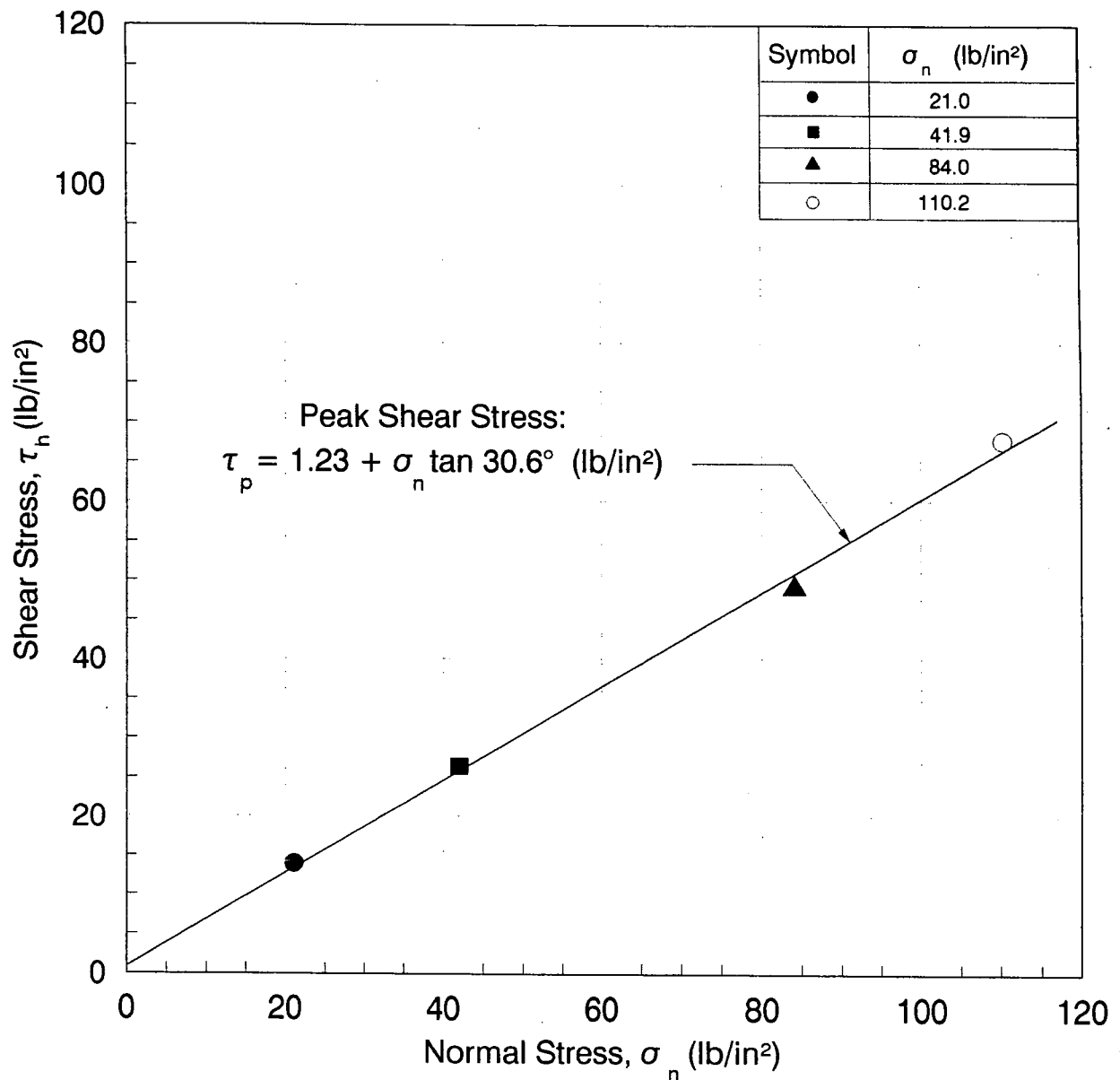


## DIRECT SHEAR TEST OF GEOCOMPOSITE AND SHELLY LAKES SAND INTERFACE


Sample Name                      Geocomposite and Shelly Lakes Sand Interface  
 Normal Stress (lb/in<sup>2</sup>)        110.2  
 Displacement Rate (in/min)   0.04  
 Peak Friction Angle<sup>o</sup>        31.5

 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants		
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FILE NO.: 05-030	APPROVED BY: 	FIGURE: 5





**MOHR-COULOMB FAILURE ENVELOPE FROM  
 INTERFACE DIRECT SHEAR TESTS BETWEEN  
 GEOCOMPOSITE AND SHELLY LAKES SAND**

 <b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants		
<b>SOUTHEAST LANDFILL</b> <b>LINER INTERFACE DIRECT SHEAR TESTS</b> <b>ERC GENERAL CONTRACTING SERVICES, INC.</b> <b>WINTER GARDEN, FLORIDA</b>		
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FILE NO.: 05-030	APPROVED BY: 	FIGURE: 6





## ERC GENERAL CONTRACTING SERVICES, INC.

**Carter CommerCenter • 890 Carter Road, Suite 170  
Winter Garden, Florida 34787  
(407) 656-3900 • Fax (407) 656-2128**

July 25, 2005

Joe O'Neill  
SCS ENGINEERING  
3012 U.S. Highway 301 North, Suite 700  
Tampa Fl 33619

**RE: Capacity Expansion Section 8, Bid No. C-299-04 (MK)  
Rain Delays during the Partial Month of July 2005 (As of July 18, 2005)**

Dear Mr. O'Neill:

The purpose of this letter is to summarize the rain dates that ERC is claiming under the contract allowance, and the days that ERC is requesting as a time extension.

The following are the rain days requested for contract extension time:

1. July 19, 2005 – Very low production due to rain and wet conditions.
2. July 20, 2005 – No production due to wet conditions, replacing wet fill.
3. July 21, 2005 – Impacted low Production due to rain. No trucks in cell.
4. July 23, 2005 – Very slow production impacted due to wet conditions.
5. July 23, 2005 – 2" rain at pit, Cell 8 too wet, very low production if any, trucks stuck.

Requesting 5 additional rain days in July for non-productive work in excess of 4 hours where imported trucks are not able to drive into the cell to offload fill due to wet conditions due to daily rains. Fill is being stockpiled.

Sincerely,

Jerry L. Pinder, President  
ERC General Contracting



DATE: <u>July 21, 2005</u>	<u>Thursday</u>	<u>HILLSBOROUGH COUNTY SOUTH EAST LANDFILL CELL 8 CONSTRUCTION</u>	
WEATHER: <u>AM pty cloudy</u>	<u>PM pty cloudy</u>	<u>80° - 98°</u>	
WEATHER IMPACT AND DESIGN/CONSTRUCTION IMPACT TO PROJECT SCHEDULE: <u>No Rain STANDED Productive LIFT 13</u>			
SUBCONTRACTORS: <u>Mega Force hauled 93 loads of clay. No fill due to Shelley Lakes Closed</u>			
EQUIPMENT:	PERSONNEL	TIME	WORK PERFORMED:
EXCAVATOR 480	<u>DALE SR</u>	<u>7:30-1:30</u>	<u>Shelley Lakes Pit Stockpiling dirt</u>
EXCAVATOR 480	<u>DAVID</u>	<u>7:30-1:30</u>	<u>Shelley Lakes Pit Loading Mega Force Trucks</u>
EXCAVATOR 235	<u>CHRIS RICHARDS</u>	<u>7:30-1:30</u>	<u>Cell 8 Loading Ant. Tk Stockpile to LIFT 13</u>
<u>CAT 36F</u>	<u>CHARLES PARKER</u>	<u>7:30-1:30</u>	<u>Shelley Lakes Pit Stockpiling dirt</u>
<u>D9R LGP OFEN</u>	<u>MARK</u>	<u>7:30-1:30</u>	<u>Cell 8 Pushing imported stockpile</u>
<u>958JD DOZER</u>	<u>DAVID/Shelley LK</u>	<u>7:30-1:30</u>	<u>Shelley Lakes Grading haul roads Also used by Bessie</u>
<u>255 LOADER 3 CY</u>	<u>Russell</u>	<u>7:30-1:30</u>	<u>Loading Ant. Tk Stockpile to Cell 8 - LIFT 13</u>
<u>3,000 GAL WATER TRUCK</u>	<u>EDWARD BOY</u>	<u>7:30-1:30</u>	<u>Cell 8 Watering haul Roads</u>
<u>VOLVO 25 TON #1</u>	<u>BOY DONOHUE Tracy</u>	<u>7:30-1:30</u>	<u>Cell 8 hauling From Fill stockpile to LIFT 13</u>
<u>VOLVO 25 TON #2</u>	<u>MONA PARKER</u>	<u>7:30-1:30</u>	<u>Cell 8 hauling From Fill stockpile to LIFT 13</u>
<u>Hollen</u>	<u>JENNIFER ROY</u>	<u>7:30-5:30</u>	<u>Cell 8 Compacting LIFT 13 + haul roads</u>
<u>Hollen</u>	<u>ROBERT Cabra</u>	<u>7:30-5:30</u>	<u>Cell 8 compacting LIFT 13 2 haul roads</u>
<u>700 JD Dozer</u>	<u>KENNETH Albert</u>	<u>7:30-5:30</u>	<u>SPREADING imported @ stockpile + LIFT 13</u>
<u>700 JD Dozer</u>	<u>BERNARD Willio</u>	<u>7:30-5:30</u>	<u>SPREADING imported Fill @ stockpile</u>
<u>labor Finders</u>	<u>Jean</u>	<u>7:30-5:30</u>	<u>Cell 8. Collecting imported Clay Tickets</u>
	<u>JERRY PRIDER</u>	<u>7:30-5:30</u>	<u>Layout supervision</u>
	<u>VADEN POLLARD</u>	<u>7:30-5:30</u>	<u>SUPERVISION</u>
MATERIALS TAKE OFF - ONE WEEK AHEAD = DELIVERIES			
DELAYS OR PROBLEMS ENCOUNTERED			
<u>NOTE: started first Productive LIFT since July 8<sup>th</sup>. No imported fill hauled today due to Shelley Lakes being Closed due to 3" Rain yesterday evening. Disking LIFT 12 to dry wet material</u>			
ISSUES PENDING			



DATE	July 23, 2005	Saturday	Hillsborough County South East Landfill Cell 8 Construction
WEATHER:	Partly Cloudy	81° - 93°	
WEATHER IMPACT AND DESIGN/CONSTRUCTION IMPACT TO PROJECT SCHEDULE: Slow Production due to rain Friday evening St. Trucks clumping in stockpile.			
SUBCONTRACTORS:	Mega Force started with 28 Trucks 1:30pm 15 Tks 2:30pm 10 Tks - Fill loads 316		
EQUIPMENT:	PERSONNEL	TIMES SHEET	WORK PERFORMED:
EXCAVATOR 400	DALE SR.	7:30-8:30	Shelley Lakes Pit Loading Mega Force Trucks
EXCAVATOR 400	DENNIS J. WRIGHT	7:30-8:30	Shelley Lakes Pit stockpiling dirt
EXCAVATOR 235	JIM BOS DAVID	7:30-8:30	Idle - wet conditions
CAT 365 Exc	CHRIS RICHARDS	7:30-8:30	Shelley Lakes Pit stockpiling dirt
DGR-LGP W/GRAB	CHARLES PARKER	7:30-8:30	Cell 8 Pushing imported Fill from stockpile 50' side to lift 12
DGR-LGP OPEN	ALBERT RICHARD MENNIGAN	7:30-8:30	Shelley Lakes Pit grading haul roads
650JD DOZER	DAVID	7:30-8:30	Idle - wet conditions
265 LOADER 3 CY	EDWARD ROY	7:30-8:30	Watering haul roads
3,000 GAL WATER TRUCK	ROY CONGRIN	7:30-8:30	Down - Idle due to wet conditions
VOLVO 25 TON #1	RONA PARKER	7:30-8:30	Down - Idle due to wet conditions
VOLVO 25 TON #2	JENNIFER RONNA	7:30-8:30	Compacting lift 12 - south side + haul roads - Cell 8
VOLVO 25 TON #3	ROBERT RUSSELL	7:30-8:30	" " " " " " " " " "
VOLVO 25 TON #4	KENNETH ROBERT	7:30-8:30	Cell 8 Pushing imported Fill in stockpile, Pulling Trucks
VOLVO 25 TON #5	BERRICK WILLIE	7:30-8:30	" " " " " " " " " "
VOLVO 25 TON #6	JEAN	7:30-8:30	
VOLVO 25 TON #7	JERRY PINDER	7:30-8:30	off site
VOLVO 25 TON #8	VAUGHN POLLARD	7:30-8:30	Supervision

MATERIALS TAKE OFF - ONE WEEK AHEAD = DELIVERIES

#### DELAYS OR PROBLEMS ENCOUNTERED

Very slow production due to wet conditions Ant. Trucks causing pumping action, stopped @ 8:00 AM. Street Trucks dumping on south side of hardpan area, Dozers pushing 150'-200' to install lift 12. Street Trucks clumping outside cell 8 @ imported fill stockpile. Mega Force Truck started leaving site @ 1:30 PM by 2:30 PM dropped from 28 Tks to 8 Tks

ISSUES PENDING

Vaughn Pollard



DATE	July 22, 2005	Friday	Hillsborough County South East Landfill Cell 8 Construction
WEATHER:	Partly cloudy	81° - 98°	
WEATHER IMPACT AND DESIGN/CONSTRUCTION IMPACT TO PROJECT SCHEDULE: 5:20 PM Rain 1/4" slow Production due to Afternoon rains			
SUBCONTRACTORS:	Mega Force 32 Trucks hauling Imported Fill 562 Loads 10 Tks hauling clay 41 loads		
EQUIPMENT:	PERSONNEL	TIMES SHEET	WORK PERFORMED:
EXCAVATOR 400	DALE SR.	7:30-8:30	Shelley Lakes Pit Loading Trucks
EXCAVATOR 400	DAVID	7:30-8:30	Shelley Lakes Pit Loading Trucks
EXCAVATOR 235	CHRIS RICHARDS	7:30-8:30	Cell 8 Loading Art Trucks - stockpile to lift
CAT 365 Exc	CHARLES PARKER	7:30-8:30	Shelley Lakes Pit stockpiling dirt
D9R LGP OFEN	MARK	7:30-8:30	Spreading Imported Fill on lift
650JD DOZER	DAVID/Shelley	7:30-8:30	Grading haul roads
265 LOADER 3 CY	Buswell	7:30-8:30	Loading Art. Truck stockpile to Cell 8 lift
3,000 GAL WATER TRUCK	EDWARD ROY	7:30-8:30	Watering lift 13 & haul roads
VOLVO 25 TON #1	ROY CONCRIN Tracy	7:30-8:30	Cell 8 hauling from Fill stockpile to lift
VOLVO 25 TON #2	RONA PARKER	7:30-8:30	" " " " " "
VOLVO 25 TON #3	JENNIFER ROY	7:30-8:30	Compacting lifts & haul roads
VOLVO 25 TON #4	ROBERT	7:30-8:30	" " " " " "
700 JD DOZER	KENNETH Albert	7:30-8:30	Cell 8 Spreading Imported over lift 13
VOLVO 25 TON #5	SEDRICK Willie	7:30-8:30	Cell 8 pushing Fill & Clay stockpiles
700 JD DOZER	Jean	7:30-8:30	Collecting imported Fill & Clay Tickets
VOLVO 25 TON #6	JERRY PINDER	7:30-8:30	Coyous/Supervision
Labor Finders	VADEN POLLARD	7:30-8:30	Supervision
MATERIALS TAKE OFF - ONE WEEK AHEAD = DELIVERIES			

#### DELAYS OR PROBLEMS ENCOUNTERED

Street Trucks dumping outside of section 3 and along existing hardpan area on south side of section 3, @ This area dozers has 200' push because street Trucks can't drive into section 3 to dump material due to Afternoon rain everyday except ~~Thursday~~ Wed This week. Art. Trucks hauling from outside section 3 to inside section 8 where street Tks can't drive due to wet conditions EAC must move dirt Twice causing delay in placing dirt. Before EAC could place one entire lift in 1.5 days now with rain everyday it takes one and a half weeks to place one entire lift across section 3

Va. Pollard



20

DATE	July 20, 2008	Wednesday	Hillsborough County South East Landfill Cell 8 Construction
WEATHER:	AM pty cloudy	PM. pty cloudy	5:10 heavy RAIN 20 min + 2.5" Note: 3" @ Shelley Lakes
WEATHER IMPACT AND DESIGN/CONSTRUCTION IMPACT TO PROJECT SCHEDULE:			
SUBCONTRACTORS:	Mega Force 36 Trucks Imported Fill 519 Loads. 13 loads of clay		
EQUIPMENT:	PERSONNEL	TIMES SHEET	WORK PERFORMED:
EXCAVATOR 480	DALE	7:30-8:30	Shelley Lakes Pit stockpiling dirt
900	DAVID J. HEBB		
EXCAVATOR 450	JIM DOB DAVID	7:30-8:30	Shelley Lakes Pit Loading Trucks
EXCAVATOR 235	CIRIS RICHARDS	7:30-8:30	Loading ART. Trucks @ Imported Fill Stockpile
CAT 305 EXC	CHARLES PARKER	7:30-8:30	Shelley Lakes Pit stockpiling dirt
D&R LOP W/CAB	MARK RICHARD MERRISAN	7:30-8:30	Cell 8 Pushing Imported Fill @ Stockpile
D&R LOP OFEN	DAVID	7:30-8:30	Shelley Lakes Pit grading haul roads
650JD DOZER		7:30-8:30	Down - starter
265 LOADER 3 CY		7:30-8:30	
3,000 GAL WATER TRUCK	EDWARD ROY	7:30-8:30	Watering haul roads
VOLVO 25 TON #1	ROY CONGRIN Russ	7:30-8:30	Hauling Imported Fill from stockpile to cover wet area
VOLVO 25 TON #2	DONA PARKER	7:30-8:30	" " " " " " " "
Rollen	JENNIFER Tracy	7:30-8:30	Compacting LIFT 12 H11 / haul roads
VOLVO 25 TON #3	ROBERT ROY	7:30-8:30	" " " " " " " "
Rollen	KENNETH Albert	7:30-8:30	Pushing out wet areas / back filling w/ dry mat. Cell 8
700 JD DOZER	SEBASTIAN Willie	7:30-8:30	Pushing Imported Fill @ Stockpile
VOLVO 25 TON #5	Jean	7:30-8:30	Collecting Fill Tickets / clay tickets
700 JD DOZER	JERRY PINDER	7:30-8:30	Site supervision
VOLVO 25 TON #6	VADEN POLLARD	7:30-8:30	" "
Caboren			

MATERIALS TAKE OFF - ONE WEEK AHEAD = DELIVERIES

12 rolls of Geonet taken off site Saturday was brought back to staging Area

DELAYS OR PROBLEMS ENCOUNTERED

No production in Cell 8 due wet conditions. Dozers pushing out wet material and back filling with dry material.

NOTE: 6:20 PM Shelley Lakes Pit 3" rain washed out Ramp - No Trucks Tomorrow due to Shelley Lakes Pit owner closed Fill pit for Thursday July 21

ISSUES PENDING

To a Pollard



DATE	July 19, 2005	Tuesday	Hillsborough County South East Landfill Cell 8 Construction	
WEATHER:	AM Pky Cloudy	PM Pky Cloudy	3:00 PM RAIN .50" Stopped Trucks due to wet conditions	
WEATHER IMPACT AND DESIGN/CONSTRUCTION IMPACT TO PROJECT SCHEDULE: Imported Fill hauling stopped @ 3:00 PM due to rain.				
SUBCONTRACTORS:	Mega Force 31 Trucks 357 Loads 28 Loads of clay			
EQUIPMENT:	PERSONNEL	TIMES SHEET	WORK PERFORMED:	
EXCAVATOR 400	DALE BENJAMIN J. KERRIT	7:30-8:30	shelley lakes pit stockpiling dirt	
EXCAVATOR 450	DAVID JULIO DAVID	7:30-8:30	shelley lakes pit loading Trucks	
EXCAVATOR 235	CHRIS RICHARDS	7:30-8:30	Cell 8 Load Art. Truck @ Fill stockpile	
CAT 365 Exc.	CHARLES PARKER	7:30-8:30	shelley lakes pit stockpiling dirt	
DGR LOP W/OAB	MARK RICHARD MANNING	7:30-8:30	Cell 8 pushing imported fill stockpile	
DGR LOP OPEN	Vaden/DAVID	7:30-8:30	shelley lakes pit grading haul road	
850JD DOZER		7:30-8:30	Down with starter	
265 LOADER 3 CY	EDWARD Chris	7:30-8:30	Watering haul roads to cell 8	
3,000 GAL WATER TRUCK	Russell ROY CONGRIN	7:30-8:30	Haul imported fill from stockpile to cell 8	
VOLVO 25 TON #1	DONA PARKER	7:30-8:30	Haul imported fill from stockpile to cell 8	
VOLVO 25 TON #2	JENNIFER Tracy	7:30-8:30	Compacting lift 12 & haul roads	
VOLVO 25 TON #3	ROBERT Chris	7:30-8:30	Compacting lift 12 & haul roads	
VOLVO 25 TON #4	KENNETH Albert	7:30-8:30	Pushing out wet material/backfill w/dry cell 8	
VOLVO 25 TON #5	SEDRICK Willie	7:30-8:30	Cell 8 pushing imported fill @ stockpile	
VOLVO 25 TON #6	Jean	7:30-8:30	Collecting imported fill tickets/clay tickets	
Cabover	JERRY PINDER	7:30-8:30	Site supervision	
	VADEN POLLARD	7:30-8:30	Site supervision	
MATERIALS TAKE OFF - ONE WEEK AHEAD = DELIVERIES				
DELAYS OR PROBLEMS ENCOUNTERED				
NOTE: No production due to wet conditions in cell 8. Pushing out wet material and backfilling with dry material. All st. Trucks are dumping outside of cell 8. Stockpiling imported because of wet conditions in cell 8. From afternoon rains. Had to stop st. Trucks @ 3:00 due to half inch rain.				
ISSUES PENDING				

Van - Pollard





## ERC GENERAL CONTRACTING SERVICES, INC.

Carter CommerCenter • 890 Carter Road, Suite 170  
Winter Garden, Florida 34787  
(407) 656-3900 • Fax (407) 656-2128

*Superceded*

July 25, 2005

Joe O'Neill  
SCS ENGINEERING  
3012 U.S. Highway 301 North, Suite 700  
Tampa FL 33619

RE: **Capacity Expansion Section 8, Bid No. C-299-04 (MK)**  
**Rain Delays during the Partial Month of July 2005 (As of July 18, 2005)**

Dear Mr. O'Neill:

The purpose of this letter is to summarize the rain dates that ERC is claiming under the contract allowance, and the days that ERC is requesting as a time extension.

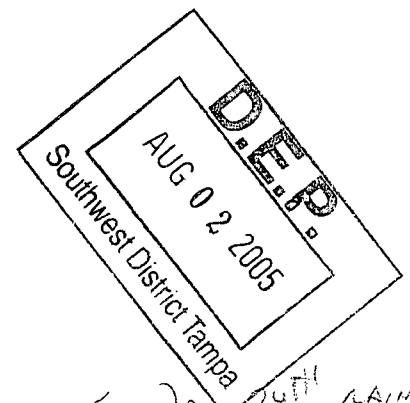
The following are the rain days requested for contract extension time:

1. July 19, 2005 – Very low production due to rain and wet conditions, pit closed. *257 Loads B*
2. July 20, 2005 – No production due to wet conditions, replacing wet fill. *519 B, 134 20 Load C*
3. July 22, 2005 – Impacted low Production due to rain. No trucks in cell. *562 B 41 C*
4. July 23, 2005 – Very slow production impacted due to wet conditions.
5. July 23, 2005 – 2" rain at pit, Cell 8 too wet, very low production if any, trucks stuck. *316 B*

Requesting 5 additional rain days in July for non-productive work in excess of 4 hours where imported trucks are not able to drive into the cell to offload fill due to wet conditions due to daily rains. Fill is being stockpiled. *worked till 3:00 pm*

Sincerely,

Jerry L. Pinder, President  
ERC General Contracting



*SUNDAY 24TH RAIN 1/2"*  
*Monday 25*





# ERC GENERAL CONTRACTING SERVICES, INC.

July 27, 2005

Carter Center • 890 Carter Road, Suite 170  
Winter Garden, Florida 34787  
(407) 656-3900 • Fax (407) 656-2128

Larry Ruiz  
Hillsborough County  
15960 CR 672  
Lithia, FL 33547

RE: Capacity Expansion Section 8, Bid No. C-299-04 (MK)

Dear Larry:

Due to the conditions of the rainy season and impending space limitations of Shelly Lakes Pit, ERC is actively stockpiling the sand material. In the event that there is an excess imported fill on site after backfill completion, ERC proposes to offer the sand to the County.

The following is a breakdown of the material cost and hauling costs..

Fill cost at the Shelly Lake Mine is \$1.61/cubic yard.

Trucking costs are \$2.30/cubic yard.

The total cost is \$3.91/cubic yard.

Excess fill will be stockpiled between the temporary basin and the north side of section 8 at no cost to the county.

Excess fill stockpile will not exceed 15,000 cubic yards.

The area proposed for the stockpile location has not been surveyed. To provide Picket and Assoc. to perform the earthworks and pre-topo of this area would be an additional cost of \$600. The final as-builts for the project will include this area for topographic survey as part of the current scope of work for the project at no additional cost to the County.

Sincerely,

Jerry L. Pinder  
President, ERC

$$15,000 \times 3.91 \text{ \$/cy} \\ = \$58,650$$

from allowances ??

- All area has been surveyed
- Survey AT NO COST County
- proposed cost @ 3.91/cy is fair / REASONABLE
- CONTRACT ADJUSTED AT END OF PROJECT

NOT THE BID price but for

fair / REASONABLE

yes THE area immediately north of section 8 has been surveyed.





# ERC GENERAL CONTRACTING SERVICES, INC.

Carter CommerCenter • 890 Carter Road, Suite 170  
Winter Garden, Florida 34787  
(407) 656-3900 • Fax (407) 656-2128

July 24, 2005

Larry Ruiz  
SE Landfill Hillsborough County  
15,960 C.R. 672  
Lithia, FL 33547

RE: MBE CONTRACT EXTENSION

Dear Larry:

ERC bid the Hillsborough County Southeast Landfill Expansion section 8 Project to follow the MBE board policy of Meeting the DM/DWBE goals. ERC hired four minority owned subcontractors to participate with this project making a goal projected over 24% of the 4.4 million dollar contract. This project provided a great opportunity for MBE participation.

For the most part we have received good participation with all the minority subcontractors with exception of trucking imported fill to the Project.

The minority subcontractor hired to truck in imported fill experienced problems retaining the necessary trucking subcontractors to keep the Project on schedule. ERC had expended all its resources to get the project 2 months ahead of schedule prior to the trucking phase of this project in order to finish prior to the rainy season. Other MBE firms were contacted however due to fuel price increases and the amount of work on hand, no other MBE trucking contractors were available to assist Mega Force.

ERC has encountered a 28 day delay due to trucking limitations. To assist the MBE, ERC provided heavy equipment at the Shelly Lakes Pit at a cost of over \$26,000/month for 4 months to increase the loading time so the MBE hauler could obtain more loads at ERC's expense. Even with the additional assistance at ERC's cost, the increased loads did not allow the schedule to be recoverable.

Please note, at ERC's cost we have provided the following:

- 1) Flag men to spot trucks to exit faster providing more loads/day.
- 2) Additional money to the MBE for fuel cost increases
- 3) Additional equipment at the pit for faster loading time.

*How do they  
get 28 days?  
NEED  
DOCUMENTATION  
OF  
LOW PRODUCTION  
ON  
TRUCKS*



It has been ERC's goal to continue allowing the participation of the MBE trucking firm to the end of this project.

ERC respectfully requests 28 additional days to be added to the contract time with no additional cost to the County.

We respectfully request your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Vaden L. Pollard". The signature is fluid and cursive, with a large, stylized "V" and "P".

Vaden L. Pollard  
VP



\*\*\*\*\*  
 \*\*\* TX REPORT \*\*\*  
 \*\*\*\*\*

TRANSMISSION OK

TX/RX NO	0007	
CONNECTION TEL		6717739
SUBADDRESS		
CONNECTION ID	SELF	
ST. TIME	07/28 12:31	
USAGE T	01'24	
PGS. SENT	3	
RESULT	OK	



## ERC GENERAL CONTRACTING SERVICES, INC.

July 27, 2005

Carter CommerCenter • 890 Carter Road, Suite 170  
 Winter Garden, Florida 34787  
 (407) 656-3900 • Fax (407) 656-2128

Larry Ruiz  
 Hillsborough County  
 15960 CR 672  
 Lithia, FL 33547

RE: Capacity Expansion Section 8, Bid No. C-299-04 (MK)

Dear Larry:

Due to the conditions of the rainy season and impending space limitations of Shelly Lakes Pit, ERC is actively stockpiling the sand material. In the event that there is an excess imported fill on site after backfill completion, ERC proposes to offer the sand to the County.

The following is a breakdown of the material cost and hauling costs..

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Excess fill stockpile will not exceed 15,000 cubic yards.

The area proposed for the stockpile location has not been surveyed. To provide Picket and Assoc. to perform the earthworks and pre-topo of this area would be an additional cost of \$600. The final as-builts for the project will include this area for topographic

NOT THE BID PRICE BUT FOR

FROM / REASONABLE

YES THE AREA IMMEDIATELY NORTH OF SECTION 8 HAS BEEN SURVEYED.





# ERC GENERAL CONTRACTING SERVICES, INC.

Carter CommerCenter • 890 Carter Road, Suite 170  
Winter Garden, Florida 34787  
(407) 656-3900 • Fax (407) 656-2128

*Supervised by July 27 2005 Letter*  
*Per Telecon with*  
*Larry Ruiz & Under P/land*  
*Enc to modify letter*  
*to clarify how this*  
*\$3.91/cy was*  
*determined.*

7/22/05

Larry Ruiz  
Hillsborough County  
15960 CR 672  
Lithia Fl 33547

RE: Capacity Expansion Section 8, Bid No. C-299-04 (MK)

Dear Larry:

Due to the conditions of the rainy season and impending space limitations of Shelly Lakes Pit, ERC is actively stockpiling the sand material. In the event that there is an excess imported fill on site after backfill completion, ERC proposes to offer the sand to the County at:

\$3.91/cubic yard delivered based on 16 cubic yard truck loads.

This is the cost ERC is paying for the material loose in a truck load. At Shelly Lake Mine we are paying \$1.50/cubic yard based on a 16 yard load (confirmed through truck bed measurement) plus 7% tax. Mega Force is currently hauling for \$2.05/cubic yard based on an 18 cubic yard measurement which correlates to \$2.30/cubic yard for the actual 16 cubic yards of fill hauled. Mega Force basically is charging per load due to weight limitations of their trucks and the heavy wet sand.

For purposes of quantities, ERC can offer to move the material to an as-built location in order to provide "in place" quantities. The cost of moving the material however would cost \$1.00/cy. Instead, a better method of surveying to avoid moving the material again may be to simply dig through the stockpile to the floor allowing the bottom to be accessed by Pickett and Assoc. to confirm the center elevations of the pre-existing floor conditions. The existing ground is white while the imported fill is

$$\begin{array}{rcl}
 \text{Soil} & \$1.50 & \times \text{Tax } 1.07 = \$1.61 / \text{cy} \\
 \text{Haul} & & = \$2.30 / \text{cy} \\
 & & \hline
 & & \$3.91 / \text{cy}
 \end{array}$$

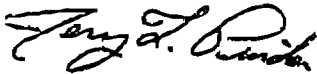


black allowing for the existing floor elevations to be verified using excavation holes. The cost of a pre and post survey along with earthworks by Pickett & Assoc. is \$ 2,430.

ERC proposes to limit this excess soil to 25,000 cubic yards.

Please call me at (407) 468-1046 if you have any questions or need any additional backup information for these costs. The cost benefit of shrinkage from the paid loose truck measure to "in place" goes to the County in this proposal thus giving the County the benefit of measurement discrepancy.

Sincerely,



Jerry L. Pinder  
President, ERC

\$57,000 (+)  
too much?