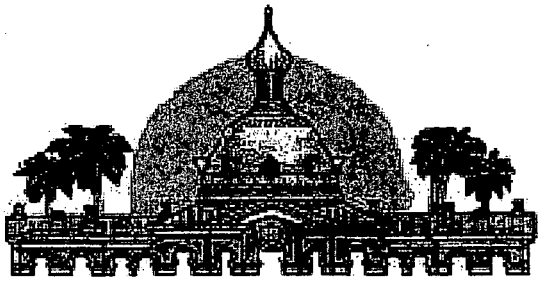
SCS ENGINEERS

Certification of

Construction Completion Report
Southeast County Landfill Capacity Expansion
Section 7 Construction

Volume 2 of 3



Prepared for:

Hillsborough County Solid Waste Management Department
P.O. Box 1110
Tampa, Florida 33601

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
OCT 21 2003
SOUTHWEST DISTRICT
TAMPA

Prepared by:

SCS Engineers
3012 U.S. Highway 301 North
Suite 700
Tampa, Florida 33619
(813) 621-0080

October 21, 2003
File No. 09200020.34

D.E.P.
OCT 2 1 2003
Southwest District Tampa

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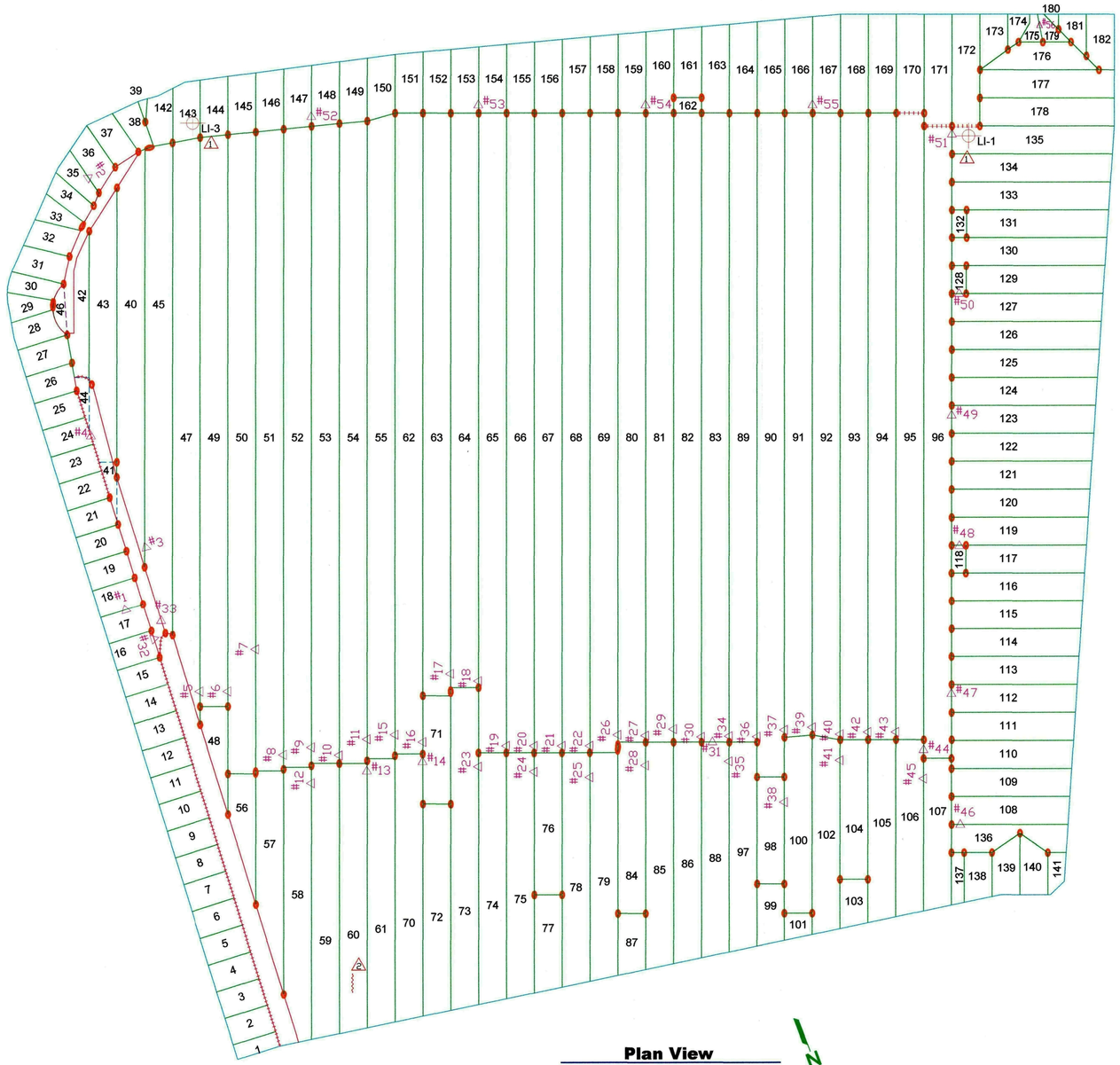
ATTACHMENT B

LINER AS-BUILT DRAWINGS

#1086300 (1)



Plan View

Approximate scale 1" = 50'

LEGEND

- 50 - SHEET NO. (TYP.)
- - WELDED SEAM
- - EXTRUDED SEAM
- #2 △ - DESTRUCTIVE TEST SAMPLE
- 0 - PATCH (SIZE VARIES)
- LI-1 - LEAK INDICATOR LOCATION WITH REPAIR
- - WRINKLE REPAIR

THE INFORMATION DISCLOSED ON THIS DRAWING, WHETHER RELATING TO PRODUCTS, METHODS, DESIGNS, TECHNIQUES, USES OR ANY COMBINATION THEREOF IS CONFIDENTIAL AND THE PROPERTY OF GSE LINING TECHNOLOGY, INC., AND MAY NOT BE COPIED OR REPRODUCED IN ANY WAY WITHOUT PRIOR WRITTEN PERMISSION.

GSE Lining Technology, Inc.
19103 Gundle Road
Houston, Texas 77073
800-435-2008 281-443-8564

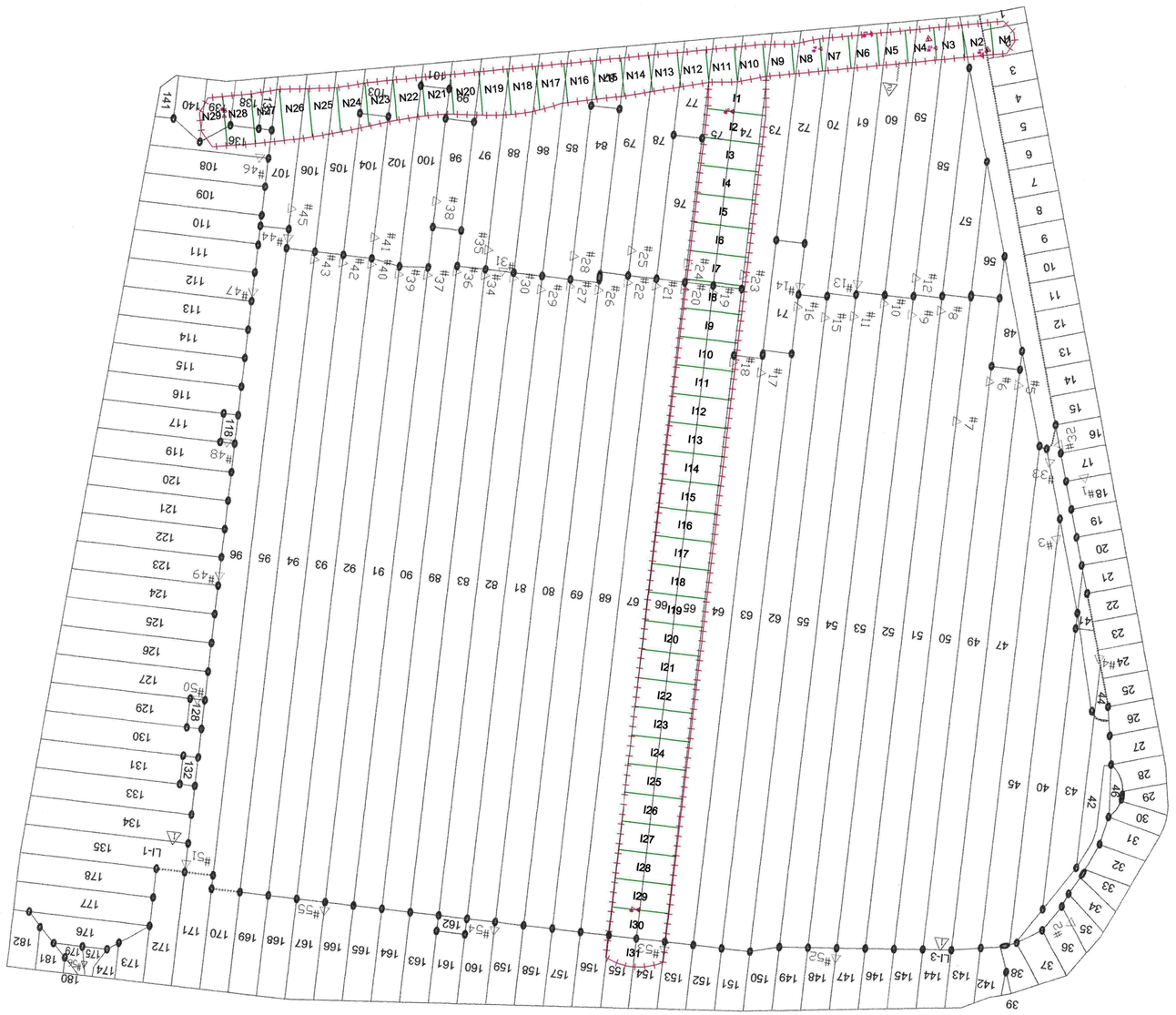
REV.	DATE	DESCRIPTION	BY
1	07/28/03	Per Client w/ rev. triangle	Dm
2	09/12/03	Added wrinkle repair & Client's Remarks	Dm

Handex
Hillsborough County Landfill
Balm Florida
Primary As-Built Panel Layout

SCALE	DATE	REVISION NO.
Noted	04/07/03	2

DWG. BY	CHECKED BY	SHT.	DWG. NO.
Don	JE	2 of 3	509488AB

(2)



LEGEND

- 90 / 4078 - SHEET NO. (TYP.) TYP. ROLL I.D. NO.
- WELDED SEAMS
- #2 △ - TEST SAMPLE
- EXTRUDED SEAM

Plan View

Approximate scale 1" = 50'

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19103 Gundle Road
Houston, Texas 77073
800-435-2008 281-443-8564

REV.	DATE	DESCRIPTION	BY
△			
△			
△			

Handex

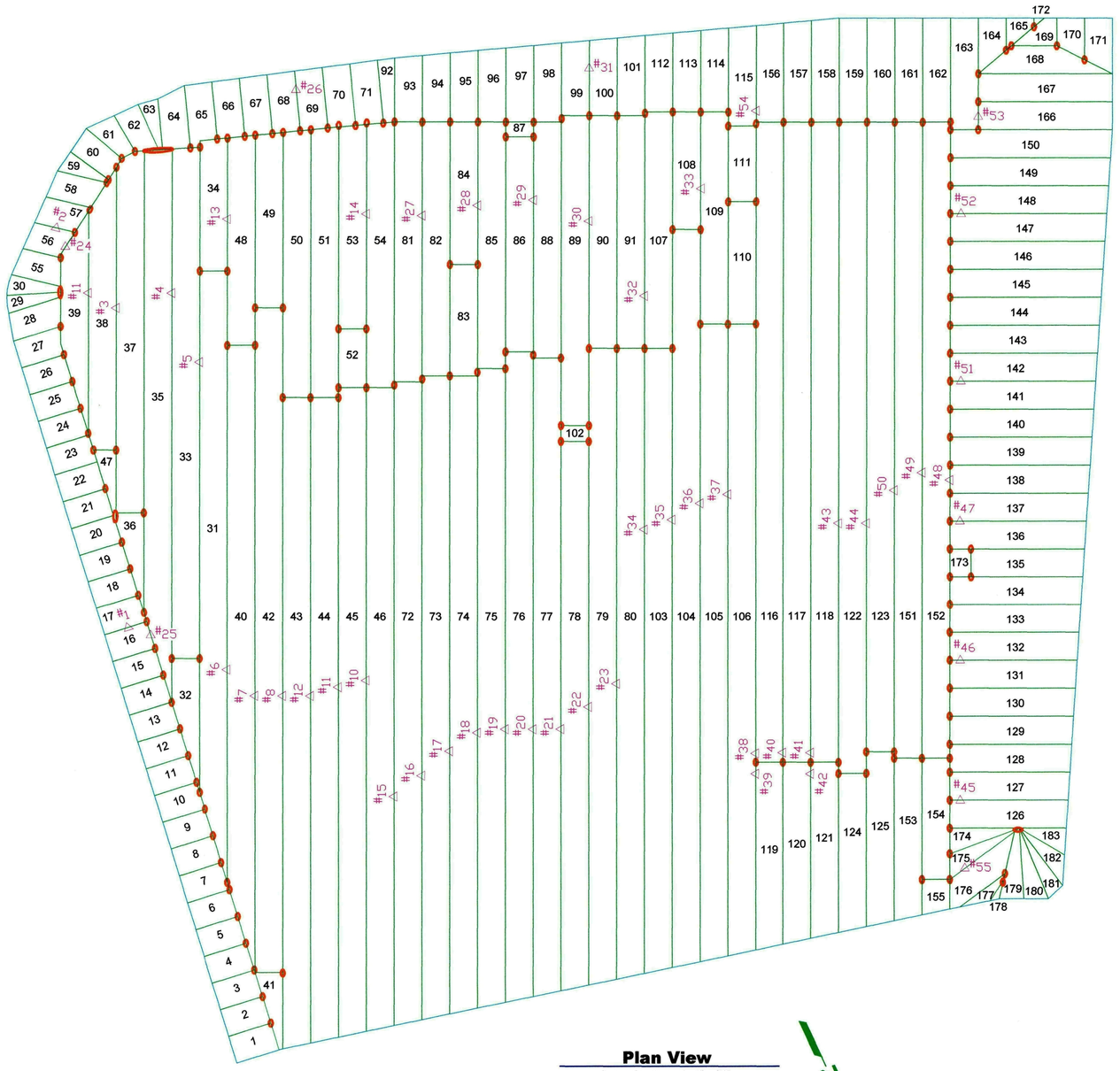
Hillsborough County Landfill

Balm Florida

Primary Seperation Berms As-Built Panel Layout

SCALE	DATE	REVISION NO.
Noted	04/07/03	

DWG. BY	CHECKED BY	SHT.	DWG. NO.
VH	JE	3 of 3	509488AC



LEGEND

- 50 - SHEET NO. (TYP.)
- WELDED SEAM
- #2 - DESTRUCTIVE TEST SAMPLE
- PATCH (SIZE VARIES)

Plan View

Approximate scale 1" = 50'

N

GSE Lining Technology, Inc.
19103 Gundle Road
Houston, Texas 77073
800-435-2008 281-443-8564

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REV.	DATE	DESCRIPTION	BY
1		SCSREV	
2			
3			

Handex

Hillsborough County Landfill

Balm Florida

Secondary As-Built Panel Layout

SCALE	DATE	REVISION NO.
Noted	04/07/03	2

DWG. BY	CHECKED BY	SHT.	DWG. NO.
Don	JE	1 of 3	509488AA

ATTACHMENT C

DAILY CONSTRUCTION QUALITY ASSURANCE FIELD REPORTS

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION-I CAPACITY EXPANSION Project number: 09202020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANOEK

Date: 2 NOV 2001 Contract Day: 1 Contract Duration: 248

Days Remaining: 247

Weather

Temperature: (AM) _____ (PM) 80 Rain: - Duration of rain: -

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

8" PUMP (N)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		

Description of Construction Activity

DEWATERING CELL #1 8" PUMP, DISCHARGING TO STORMWATER BASIN "C".

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative _____ Date 2 NOV 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.22

Owner: Hillsborough County Contractor: Hancock

Date: 3 Nov 2011 Contract Day: 2 Contract Duration: 248

Days Remaining: 246

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather:

List of Equipment on site: (A) for active (I) for idle

8" Pump (A)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 3 Nov 2011

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.22

Owner: Hillsborough County Contractor: Hondeq

Date: 4 Nov 2009 Contract Day: 3 Contract Duration: 248

Days Remaining: 245

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

6" Pump (I)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 4 Nov 2009

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.22

Owner: Hillsborough County Contractor: Nonex

Date: 5 Nov 2001 Contract Day: 4 Contract Duration: 248

Days Remaining: 244

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

8" Pump (I)		

Personnel on site:

¢	¢	¢
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 5 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 01200020.32

Owner: Hillsborough County Contractor: Nondex

Date: 6 Nov 2001 Contract Day: 5 Contract Duration: 248

Days Remaining: 243

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

8" Pump		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
ϕ	ϕ	ϕ

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 6 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONECK

Date: 7 NOV 2001 Contract Day: 6 Contract Duration: 248

Days Remaining: 242

Weather

Temperature: (AM) ____ (PM) ____ Rain: ____ Duration of rain: ____

Description of weather: ____

List of Equipment on site: (A) for active (I) for idle

8" PUMP (I)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 7 NOV 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 8 NOV 2001 Contract Day: 7 Contract Duration: 248

Days Remaining: 241

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

8" PUMP (A)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

DEWATERING CELL

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 8 NOV 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Honeco

Date: 9 Nov 2001 Contract Day: 8 Contract Duration: 248

Days Remaining: 240

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

8" Pump		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
-	-	-

Description of Construction Activity

No Activity

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 9 Nov 01

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Humboldt County Contractor: Hancock

Date: 10 Nov 2001 Contract Day: 9 Contract Duration: 248

Days Remaining: 239

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

8" Pump		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

No Activity

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative _____ Date 10 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 11 Nov 2001 Contract Day: 10 Contract Duration: 248

Days Remaining: 238

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

8" Pump		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	1

Description of Construction Activity

No Activity

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 11 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 01200237

Owner: HILLSBOROUGH COUNTY Contractor: HOWDEN

Date: 12 NOV 2001 Contract Day: 11 Contract Duration: 248

Days Remaining: 237

Weather

Temperature: (AM) ? (PM) Rain: — Duration of rain:

Description of weather: —

List of Equipment on site: (A) for active (I) for idle

8" PUMP		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative Date 12 NOV 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Various

Date: 13 Nov 2009 Contract Day: 12 Contract Duration: 248

Days Remaining: 236

Weather

Temperature: (AM) ~ (PM) ~ Rain: — Duration of rain: —

Description of weather: —

List of Equipment on site: (A) for active (I) for idle

8" Pump		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 13 Nov 09

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09202020.32

Owner: Hillsborough County Contractor: Howard

Date: 14 Nov 2001 Contract Day: 13 Contract Duration: 248

Days Remaining: 235

Weather

Temperature: (AM) ~ (PM) ~ Rain: ~ Duration of rain: —

Description of weather: ~

List of Equipment on site: (A) for active (I) for idle

8" Pump		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative _____ Date 14 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANCOCK

Date: 15 Nov 2001 Contract Day: 14 Contract Duration: 248

Days Remaining: 234

Weather

Temperature: (AM) — (PM) — Rain: — Duration of rain: —

Description of weather: —

List of Equipment on site: (A) for active (I) for idle

8" Pump		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0		

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 15 Nov 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hanson

Date: 16 Nov 2001 Contract Day: 15 Contract Duration: 248

Days Remaining: 233

Weather

Temperature: (AM) ~ (PM) ~ Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

8" Pump (A)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 16 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Waste Pro

Date: 17 Nov 2001 Contract Day: 16 Contract Duration: 248

Days Remaining: 232

Weather

Temperature: (AM) — (PM) — Rain: — Duration of rain: —

Description of weather: —

List of Equipment on site: (A) for active (I) for idle

8" Pump (A)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 17 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 18 Nov 2001 Contract Day: 17 Contract Duration: 248

Days Remaining: 231

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

8" Pump (A)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 18 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONDEX

Date: 19 NOV 2002 Contract Day: 18 Contract Duration: 248

Days Remaining: 230

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

8" PUMP (A)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 19 NOV 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Honeoa

Date: 20 Nov 2001 Contract Day: 19 Contract Duration: 248

Days Remaining: 229

Weather

Temperature: (AM) ~ (PM) ~ Rain: ~ Duration of rain: —

Description of weather: —

List of Equipment on site: (A) for active (I) for idle

8" Pump (A)		

Personnel on site:

2	∅	∅
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Dewatering of cell.

Spoke w/ Honeoa regarding dewatering and mobilization issues.

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 20 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONDEX

Date: 21 NOV 2001 Contract Day: 20 Contract Duration: 248

Days Remaining: 228

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather:

List of Equipment on site: (A) for active (I) for idle

8" Pump (A)		

Personnel on site:

2	0	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

DEWATERING OF CELL

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative _____ Date 21 NOV 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Honeco

Date: 22 Nov 2001 Contract Day: 21 Contract Duration: 227 DAYS

Days Remaining: 227

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather:

List of Equipment on site: (A) for active (I) for idle

8" Pump (I)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

HOLIDAY - NO ACTIVITY

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative Date 22 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hanlex

Date: 23 Nov 2001 Contract Day: 22 Contract Duration: 248

Days Remaining: 226

Weather

Temperature: (AM) — (PM) — Rain: — Duration of rain: —

Description of weather: —

List of Equipment on site: (A) for active (I) for idle

8" Pump (I)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 23 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Wonder

Date: 24 Nov 2009 Contract Day: 23 Contract Duration: ~~225~~ 248

Days Remaining: 225

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

8" Pump (I)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

NC ACTIVITY

List of Subcontractors

-

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 24 Nov 2009

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.52

Owner: Hillsborough County Contractor: Hardex

Date: 25 Nov 2001 Contract Day: 24 Contract Duration: 248

Days Remaining: 224

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: ~~224 248~~

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

8" Pump (I)		

Personnel on site:

4	0	0
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative _____ Date 25 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: _____

Owner: Hillsborough County Contractor: Hardex

Date: 26 Nov 2007 Contract Day: 25 Contract Duration: 248

Days Remaining: 223

Weather

Temperature: (AM) 70° (PM) 80° Rain: — Duration of rain: —

Description of weather: Sunny all Morn

List of Equipment on site: (A) for active (I) for idle

CAT D5M Dozer (A)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
2		

Description of Construction Activity

Dozer delivered to site in morning. Met w/ Craig & Mark of Hardex. They were waiting for an operator to begin clearing.

Clearing began in early afternoon in South West corner along the limits of excavation.

Dewatering pump operating all day

List of Subcontractors

—

List of Materials Delivered

CAT Dozer

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative Greg Vorhoff Date 26 Nov 2007

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: _____

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 27 NOV 2001 Contract Day: 26 Contract Duration: 248

Days Remaining: 222

Weather

Temperature: (AM) 70° (PM) 82° Rain: - Duration of rain: -

Description of weather: PARTLY CLOUDY / WARM

List of Equipment on site: (A) for active (I) for idle

CAT D5M DOZER (A)		

Personnel on site:

2	1	
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CLEARING CONTINUED IN SOUTHEAST CORNER OF PROJECT. GROUNDWATER WAS VISIBLE IN THIS AREA DURING CLEARING.

DEWATERING PUMP OPERATING ALL DAY

List of Subcontractors

DCW EXCAVATING

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CLEARING & GRUBBING	3 ACRES	3 ACRES

Field Representative GREG VARHOLY Date 27 NOV 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONDEX

Date: 28 NOV 2001 Contract Day: 27 Contract Duration: 248

Days Remaining: 221

Weather

Temperature: (AM) 70° (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

CAT D5M DOZER (A)		
CAT D400E OFFROAD DUMP (I)		
CAT D400E OFFROAD DUMP (I)		
CAT 330B EXCAVATOR (I)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	1	

Description of Construction Activity

CLEARING CONTINUES IN BOTTOM OF PIT AREA. A CAT D400E OFFROAD DUMP TRUCK WAS DELIVERED IN THE AM.

ONE CAT D400E DUMP AND CAT 330 EXCAVATOR WERE DELIVERED IN THE AFTERNOON. THEY WERE NOT UTILIZED.

List of Subcontractors

JCW EXCAVATING

List of Materials Delivered

2 - CAT 400E DUMPS

1 - CAT 330B EXCAVATOR

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CLEARING & GRUBBING	4 ACRES	10 ACRES

Field Representative GREG VARNEY Date 28 NOV 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 29 Nov 2001 Contract Day: 28 Contract Duration: 248

Days Remaining: 220

Weather

Temperature: (AM) 68° (PM) 82° Rain: ____ Duration of rain: ____

Description of weather: Partly Cloudy, warm & breezy

List of Equipment on site: (A) for active (I) for idle

D5M Dozer (A)	CAT 375 Excavator (I)	
CAT 330B Excavator (A)		
CAT D400E Dump (A)		
CAT D400E Dump (A)		

Personnel on site:

2	3	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Clearing & Grubbing continues in the pit.

A sump was dug for the dewatering pump. The sump location is in the same approximate location as the pump was initially.

CAT 375 Excavator was delivered and assembled on site.

Excavation contractor began removing clearing debris. Debris stock pile was relocated to the northwest corner of the site at the contractors request.

List of Subcontractors

DCW Civil Contractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	60 loads	1260 cy

Field Representative Greg Varholy Date 29 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200026.32

Owner: Hillsborough County Contractor: Hondex

Date: 30 Nov 2001 Contract Day: 29 Contract Duration: 248

Days Remaining: 219

Weather

Temperature: (AM) 70° (PM) 82° Rain: — Duration of rain: —

Description of weather: Sunny, warm

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D5M Dozer (A)	
CAT D400E Truck (A)	CAT 330B Excavator	
CAT D400E Truck (A)		
CAT D400E Truck (A)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
	3	3

Description of Construction Activity

Clearing and Grubbing continue in the southwest corner of the site.

The CAT 330B Excavator was demobilized from the site. A third CAT D400E off-road dump truck was mobilized.

The diesel fuel storage tank was moved inside the limits of the silt fence. A tarp was placed under the tank to control possible spillage.

Excavation of southwest corner was begun.

2 monitoring wells within the limits of excavation were not abandoned.

List of Subcontractors

DCW Civil

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		
06 Cut	118 loads 2478 cy	1260 + 2478 = 3738 cy

Field Representative Greg Hanley Date 30 Nov 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 1 Dec 2001 Contract Day: 30 Contract Duration: 248

Days Remaining: 218

Weather

Temperature: (AM) 66° (PM) <80° Rain: — Duration of rain: —

Description of weather: Clear and warm

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D5M Dozer (I)	
CAT D400E Dump (A)		
CAT D400E Dump (A)		
CAT D400E Dump (A)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
	4	1

Description of Construction Activity

Excavation of the southwest corner continued. Excavated material removed to stockpile.

List of Subcontractors

DCW Civil

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		
06 Cut	178 loads	3738 + 3738 = 7476

Field Representative Greg Vanney Date 1 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 9200020.22

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: DEC 2 2001 Contract Day: 31 Contract Duration: _____

Days Remaining: 217

Weather

Temperature: (AM) 65 (PM) 79 Rain: — Duration of rain: —

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

CAT 375 EXCAVATOR	I		
CAT D400E	I		
CAT D400E	I		
CAT D400E	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	

Description of Construction Activity

NO ACTIVITY THIS DAY

List of Subcontractors

DCW

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
OG CUT		7476 T

Field Representative _____ Date 12/2/01

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: _____

Owner: HILLSBOROUGH COUNTY Contractor: HARDER

Date: 3 DEC 2001 Contract Day: 32 Contract Duration: 248

Days Remaining: 216

Weather FOGGY AM, PARTLY CLOUDY WARM PM

Temperature: (AM) 63° (PM) 87° Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

CAT 375 EXCAVATOR (A)	CAT D400E DUMP (A)	
CAT D5M DOZER (A)	KOBELCO SK300 EXCAVATOR (A)	
CAT D400E DUMP (A)		
CAT D400E DUMP (A)		

Personnel on site:

2	4	
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

EXCAVATION BEGAN CONTINUED IN SOUTHWEST CORNER OF SITE.

ECW DELIVERED A KOBELCO EXCAVATOR. EXCAVATOR WAS USED TO DIG RIM DITCH IN ORDER TO DIRECT GROUNDWATER TO DEWATERING PUMP.

STOCKPILE AREA WAS LEVELED SO THAT DUMP TRUCKS COULD PLACE A SECOND LIFT ON PILE.

LIMITED CLEARING WAS PERFORMED IN BOTTOM OF PIT.

CAT 375 WAS DOWN TWICE FOR MAINTENANCE. FIRST APPROX 12:00 pm AGAIN AT END OF DAY ≈ 4:30 pm.

List of Subcontractors

DEW CIVIL

List of Materials Delivered

—

"PVC WATER PIPE

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		
OG CUT	210 LOADS 4410	2486 + 4410 = 11886

Field Representative CHRIS VARNEY Date 3 DEC 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SCLF Section I Capacity Expansion **Project number:** _____

Owner: Hillsborough County **Contractor:** Haudex

Date: 4 Dec 2001 **Contract Day:** ~~33~~ **Contract Duration:** 248

Days Remaining: 215

Weather

Temperature: (AM) 65° **(PM)** 82° **Rain:** ~ **Duration of rain:** _____

Description of weather: Sunny, warm, breezy

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D400E Dump (A)	
CAT 05M Dozer (A)	CAT D400E Dump (A)	
Kubelco Excavator (A)	CAT D400E Dump (A)	
CAT D400E Dump (A)		

Personnel on site:

2	6	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

2 piezometers in northwest section of proposed excavation were abandoned by PSI. County to remove covers and concrete bases tomorrow.

Excavation continues along western edge of existing pit.

Haudex began assembling water line from leachate treatment plant to trailer.

List of Subcontractors

DCW Civil

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
06 - CAT	2.40 LOAD 5040 CY	11886 + 5040 = 16,926

Field Representative Greg Yackey **Date** 4 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 5 Dec 2001 **Contract Day:** 34 **Contract Duration:** 248

Days Remaining: 214

Weather

Temperature: (AM) 68° **(PM)** 82° **Rain:** **Duration of rain:**

Description of weather: Partly cloudy, warm and breezy

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	D400E Dump (A)	Kobelco Excavator (A)
CAT D5M Dozer (A)	D400E Dump (A)	
Kobelco Excavator (A)	D250E Dump (I)	
D400E Dump (A)	CAT D6M Dozer (A)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
2	6	1

Description of Construction Activity

Contractor demobilized CAT D5 Dozer and Kobelco Excavation. Replaced them added CAT D6 Dozer and Kobelco 416 Excavator. Also added additional CAT D250E Dump Truck.

Excavation continues in the northwest corner of the site.

The County removed the well caps and pipes from the abandoned monitoring wells. The debris was removed from the excavation area.

List of Subcontractors

DCW Civil

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
OG Cut	5754	16926 + 5754 + 22,680

Field Representative [signature] **Date** 5 Dec 01

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillborough County Contractor: Handex

Date: 6 Dec 2001 Contract Day: 35 Contract Duration: 248

Days Remaining: 213

Weather

Temperature: (AM) 62° (PM) 80° Rain: – Duration of rain: –

Description of weather: Mostly Cloudy, Breezy

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D400E Dump (A)	
CAT D6M Dozer (A)	CAT D400E Dump (A)	
Kobelco Excavator (A)	CAT D400E Dump (A)	
CAT D250E Dump (A)		

Personnel on site:

2	7	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor continued excavating in the southwest/west area.

The CAT 375 Excavator was down most of the day for repairs. It is not ~~except~~ expected to be operational until Saturday or Monday.

List of Subcontractors

DCW Civil

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	5824	22680 + 5824 = 28,504

Field Representative Greg Varney Date 6 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONDEX

Date: 7 DEC 2001 Contract Day: 36 Contract Duration: 248

Days Remaining: 212

Weather

Temperature: (AM) 65° (PM) 77° Rain: _____ Duration of rain: _____

Description of weather: FOGGY AM, MOSTLY CLOUDY, BREEZY

List of Equipment on site: (A) for active (I) for idle

CAT 375 EXCAVATOR (I)	CAT D400E DUMP (A)	
CAT D250E DUMP (I)	CAT D400E DUMP (A)	
KOBELCO EXCAVATOR (A)	CAT D6M DOZER (A)	
D400E DUMP (A)		

Personnel on site:

2	4	0
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

EXCAVATION CONTINUED ON WEST SIDE OF PROJECT AREA

CAT 375 EXCAVATOR STILL DOWN FOR REPAIRS

EXCAVATION CONTRACTOR ALSO MOVED MATERIAL FROM BOTTOM OF EXCAVATION. SEVERAL LOADS OF SOIL EXCAVATED FROM SIDES OF EXCAVATION WERE PLACED IN SOFT SPOTS OF BOTTOM TO ALLOW ACCESS FOR DUMP TRUCKS.

CONTRACTOR PERFORMED LIMITED SLOPING ON SOUTH AND EAST SLOPES OF EXCAVATION

List of Subcontractors

DCW CIVIL

List of Materials Delivered

300' OF 8" PUMP DISCHARGE HOSE

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT -	3444	28,504 + 3,444 = 31,948

Field Representative GREG VANNOY Date 7 DEC 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200026.32

Owner: Hillsborough County Contractor: Hondex

Date: 8 Dec 2011 Contract Day: 37 Contract Duration: 248

Days Remaining: 211

Weather

Temperature: (AM) 62° (PM) 72° Rain: 1/2" Duration of rain: 3:30 - 4:30

Description of weather: Foggy AM, cloudy.

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (I)	CAT D400E Dump (A)	
Kobelco Excavator (A)	CAT D400E Dump (A)	
CAT D6M Dozer (A)	CAT D250E Dump (I)	
CAT D400E Dump (A)		

Personnel on site:

2	5	-
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor removed cleaning debris from along south edge of excavation and southeast corner.

Contractor rough graded bottom to drain from the southeast corner to the southwest.

Dug drainage ditch to drain bottom from northwest to southwest corner

List of Subcontractors

DCW Civil

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	3325	31,948 + 3325 = 35273

Field Representative Ross Vannoy Date 8 Dec 2011

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 9300030.22

Owner: HARRISBURG COUNTY Contractor: HANDOX INC.

Date: 9 DEC 2001 Contract Day: 38 Contract Duration: 248

Days Remaining: 210

Weather

Temperature: (AM) 43 (PM) 73 Rain: -0- Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

CAT 375 EXCAVATOR	I	CAT 400 DUMP	I
KOBELCO EXCAVATOR	I	CAT 400 DUMP	I
CAT D6 DOZER	I	CAT 250 DUMP	I
CAT 400 DUMP	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0		

Description of Construction Activity NO ACTIVITY THIS DAY

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
		35273

Field Representative _____ Date 12/9/02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 10 Dec 2001 Contract Day: 39 Contract Duration: 248

Days Remaining: 209

Weather

Temperature: (AM) 66° (PM) 80° Rain: — Duration of rain: —

Description of weather: Foggy am / Partly cloudy & warm pm

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (I)	CAT D400E Dump (A)	
Kobelco Excavator (A)	CAT D400E Dump (A)	
CAT D6M Dozer (A)	CAT D400E Dump (A)	
CAT D6R Dozer (A)	CAT D250E Dump (A)	

Personnel on site:

2	5	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CAT 375 Excavator still down for repairs. Handex mobilized CAT D6R Dozer

Excavation continued in the southeast corner of the site. Material and clearing debris was removed to stockpile area.

DCW graded the southeast corner of the excavation after clearing to control groundwater flow.

List of Subcontractors

DCW Civil Construction

List of Materials Delivered

1,000 Gal Fuel Tank

CAT D6R Dozer

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	3585	35273 + 3585 = 38,858
Clear & Grubbing	1 c/6 acre	11 acres

Field Representative Greg Vandey Date 10 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONDEX

Date: 11DEC2001 Contract Day: 40 Contract Duration: 248

Days Remaining: 208

Weather

Temperature: (AM) 70° (PM) 82° Rain: ~ Duration of rain: —

Description of weather: PARTLY CLOUDY WARM

List of Equipment on site: (A) for active (I) for idle

CAT 375 EXCAVATOR (A)	CAT CP563-D COMPACTOR (A)	CAT 250E DUMP (A)
CAT D6M DOZER (A)	CAT D400E DUMP (A)	CAT D250E DUMP (I)
CAT D6R DOZER (A)	CAT D400E DUMP (A)	CAT 322 EXCAVATOR (A)
KOBELCO SK480 EXCAVATOR (A)	CAT D400E DUMP (A)	

Personnel on site:

2	10	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

EXCAVATION CONTINUES IN THE SOUTHEAST AND NORTHWEST CORNERS OF THE SITE.

List of Subcontractors

DCW CIVIL

List of Materials Delivered

4" DEWATERING PUMP

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
— CUT	5250	38,858 + 5250 = 44,108

Field Representative [signature] Date 11DEC2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200002.32

Owner: Hillsborough County Contractor: Hamden

Date: 12 Dec 2001 Contract Day: 41 Contract Duration: 248

Days Remaining: 207

Weather

Temperature: (AM) 66° (PM) 80° Rain: — Duration of rain: —

Description of weather: clear & calm

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D400E Dump (A)	CAT D250E Dump
Kobelco Excavator (A)	CAT D40E Dump (A)	CAT D6M Dozer
CAT D6R Dozer (A)	CAT D400E Dump (A)	CAT CP563 Compactor
CAT 322 Excavator (A)	CAT D250E Dump (A)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	8	4

Description of Construction Activity

Excavation still occurring in southeast and northwest corners. The bottom in the southeast corner is very soft in some places

List of Subcontractors

Dew Civil

List of Materials Delivered

~~Dewatering Pump~~

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	5556	44,108 + 5556 = 49,664

Field Representative Greg Vokac Date 12 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 13 Dec 2001 Contract Day: 42 Contract Duration: 248

Days Remaining: 206

Weather

Temperature: (AM) 64° (PM) 82° Rain: Duration of rain:

Description of weather: mostly clear and warm

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	Cat DLR Dozer (A)	Cat D250E Dump (A)
CAT 322 Excavator (A)	Cat D400E Dump (A)	Cat D250E Dump (E)
Kobelco Excavator (A)	Cat D400E Dump (A)	CAT CP563 Compactor (I)
Cat D6M Dozer (A)	Cat D400E Dump (A)	

Personnel on site:

2	8	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor continued excavation in southeast corner and along northwestern area of site.

Excavation along southeast corner was occuring from shelf along top previously excavated. Dump trucks were backing down the excavated shelf. A dewatering pump discharge line was blocking the construction road, forcing dump trucks to use the working shelf road. Permission to use this road was obtained from the county.

Contractor held tailgate safety meeting. Hard hats are to be worn at all times. Safety is contractors responsibility. Any dump trucks on the shelf road are to yield to private vehicles.

Survey was onsite to survey bottom and grades in southeast corner. Handex to replace #57 stone borrowed from County.

List of Subcontractors

DCW Civil Construction

Peninsula Design & Surveyors

List of Materials Delivered

4" Dewatering Pump

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	6884	49,664 + 6884 = 56,548

Field Representative Chris Varano Date 13 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200520.32

Owner: Hillsborough County **Contractor:** Handex

Date: 14 Dec 2001 **Contract Day:** 43 **Contract Duration:** 248

Days Remaining: 205

Weather

Temperature: (AM) 68° **(PM)** 83° **Rain:** _____ **Duration of rain:** _____

Description of weather: Mostly clear, warm

List of Equipment on site: (A) for active (I) for idle

CAT 37K Excavator (A)	CAT 322 Excavator (A)	CAT D25DE Dump (A)
Kobelco Excavator (A)	CAT D400E Dump (A)	CAT D250E Dump (I)
DGR Dozer (A)	CAT D400E Dump (A)	CAT 563 Compactor (I)
CAT D6M Dozer (A)	CAT D400E Dump (A)	

Personnel on site:

2	7	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor moved one fuel tank into a plastic lined above ground impoundment. A second impoundment was built but they were unable to move the tank due to the amount of fuel inside.

Excavation continues in the northwest and southeast corners. Dump trucks are no longer using the County's shell road. They are running along the bottom of the pond.

Contractor brought in a truckload of sand and shell to repair the shell road.

List of Subcontractors

DCW Civil Construction

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	5796	56,548 + 5796 = 62,334

Field Representative Greg Varney **Date** 14 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Honeste

Date: 15 Dec 2001 **Contract Day:** 44 **Contract Duration:** 248

Days Remaining: 204

Weather

Temperature: (AM) 66° **(PM)** ____ **Rain:** ____ **Duration of rain:** ____

Description of weather: Mostly Cloudy, Breezy

List of Equipment on site: (A) for active (I) for idle

CAT 325 Excavator (A)	CAT D6M Dozer (A)	CAT 250 Dump (A)
Kobelco Excavator (A)	CAT 400 Dump (A)	CAT 750 Dump (I)
CAT 322 Excavator (A)	CAT 400 Dump (A)	CAT 563 Compactor (I)
CAT D6R Dozer (A)	CAT 400 Dump (A)	CAT D5 Dozer (I) - Borrow Pit
		CAT 350 Exc. (I) - Borrow Pit

Personnel on site:

2	8	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor continued grading and excavating the southeast corner. Areas are still very wet and soft.

Excavation continues along west side. Contractor excavates from the top down to about the middle of the depth.

List of Subcontractors

DCW Civil Construction

Peninsula Survey

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
— Cut	5484	62,334 + 5484 = 67,828

Field Representative [signature] **Date** 15 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 16 Dec 2001 Contract Day: 45 Contract Duration: 248

Days Remaining: 203

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (I)	CAT D6 Dozer (I)	D7 Dozer - Borrow Pit
Kobelco Excavator (I)	(3) CAT 740 Dump (I)	CAT 350 Excavator - Borrow Pit
CAT 322 Excavator (I)	(2) CAT D250 Dump (I)	
CAT D6 Dozer (I)	CAT 583 Compactor (I)	

Personnel on site:

0	0	0
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	0	67,825 cy

Field Representative [signature] Date 16 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION-I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONDER

Date: 17 DEC 2001 Contract Day: 46 Contract Duration: 248

Days Remaining: 202

Weather

Temperature: (AM) 65° (PM) 82° Rain: Duration of rain:

Description of weather: PARTLY CLOUDY, WARM

List of Equipment on site: (A) for active (I) for idle

CAT 375 EXCAVATOR (A)	CAT D6M DOZER (A)	CAT D250E DUMP (I)
KOBELCO EXCAVATOR (A)	CAT D460E DUMP (A)	CAT D250E DUMP (I)
CAT 322 EXCAVATOR (A)	CAT D460E DUMP (A)	CAT 563 COMPACTOR (A)
CAT D6R DOZER (A)	CAT D460E DUMP (A)	CAT D7 DOZER (A)

Personnel on site:

2	7	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CONTRACTOR STILL EXCAVATING ALONG EASTERN LIMITS OF EXCAVATION.

DOZER BRINGING IN FILL TO CREATE ACCESS RAMP ALONG SOUTHERN SIDE OF EXCAVATION. INITIAL MATERIAL WAS DARK BROWN SAND/SILT. THIS MATERIAL CONTAINED LARGE CHUNKS OF WOOD. SEVERAL LOADS CONTAINED LARGE PIECES OF HARDPAN. THESE LOADS AS SEVERAL OTHERS WERE TURNED BACK AS UNSUITABLE. BURGESS WAS ONSITE FOR DENSITY TESTING, WAS NOT NEEDED, AND TOOK AN ADDITIONAL SAMPLE OF BACKFILL MATERIAL FOR SUITABILITY TESTING. FILLING WAS HALTED DUE TO UNSUITABLE SOILS.

CONTRACTOR SPENT MOST OF THE DAY MAINTAINING THE EXCAVATION STOCKPILES.

ADVISED THE CONTRACTOR THAT INSTALLATION OF UNAPPROVED MATERIALS WAS AT HIS OWN RISK. ALSO INFORMED CONTRACTOR THAT F TESTS WERE NOT PERFORMED WHILE MATERIAL FOR RAMP WAS CONSTRUCTED, RAMP WOULD HAVE TO BE REMOVED. IS NOT SATISFACTORY AS STRUCTURAL BACKFILL.

List of Subcontractors

DCW BURGESS GEOTECHNICAL

MEGA FORCE TRUCKING

List of Materials Delivered

1414 cy FILL

CAT D7 DOZER (DCW)

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	5880	67828+5880= 73,708
FILL	101 LOAD 1414	1414

Field Representative CHRIS VARNEY Date 17 DEC 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 69200020.32

Owner: Hillsborough County Contractor: Wandex

Date: 18 Dec 2001 Contract Day: 47 Contract Duration: 248

Days Remaining: 201

Weather

Temperature: (AM) 62° (PM) 75° Rain: 0.2" Duration of rain: overnight

Description of weather:

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D6M Dozer (A)	CAT D400E Dump (A)
Kobelco Excavator (A)	CAT D7 Dozer (A)	CAT D400E Dump (A)
CAT 322 Excavator (A)	CAT 563 Compactor (A)	CAT D250E Dump (I)
CAT D6R Dozer (A)	CAT D400E Dump (A)	CAT D250E Dump (I)

Personnel on site:

2	5	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor continued excavation on west side of excavation, some excavation near dewatering pump on east side.

Contractors resumed bringing in fill to build temporary access ramp. Contractor given warnings on truck speed, and not stopping for stop signs.

Contractor moved water in southeast corner to encourage water to dissipate. Need reset both dewatering pumps to move more water.

Contractor installed fire extinguishers on fuel tank impoundments

SCS approved backfill material. Geocomposite is tentatively ~~[illegible]~~ approved pending results of friction test

List of Subcontractors

Dow Civil Construction

Mega Force Trucking

List of Materials Delivered

~832 cy Fill

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	3948 cy	73,708 + 3948 = 77,656 cy
Fill	832 cy	1414 + 832 = 2246

Field Representative [signature] Date 18 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 05200220.32

Owner: HILLSBOROUGH COUNTY Contractor: HARDEX

Date: 19DEC2007 Contract Day: 48 Contract Duration: 248

Days Remaining: 200

Weather

Temperature: (AM) 58° (PM) 75° Rain: - Duration of rain: -

Description of weather: PARTLY CLOUDY, BREEZE, cool

List of Equipment on site: (A) for active (I) for idle

CAT 375 EXCAVATOR (A)	CAT D6R DOZER (A)	CAT D400E DUMP
KOBELCO EXCAVATOR (A)	CAT D6M DOZER (A)	CAT D250E DUMP
CAT 322 EXCAVATOR (A)	CAT D400E DUMP (A)	CAT D250E DUMP
CAT D7 DOZER (A)	CAT D400E DUMP (A)	CAT 563 COMPACTOR (A)

Personnel on site:

2	8	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

EXCAVATION CONTINUED IN NORTHWEST AND ALONG EASTERN EDGES OF CELL LIMITS. CONTRACTOR RUNS DEWATERING PUMP ON EAST SIDE.

HAULING CONTINUED FROM BURIAL PIT. TEMPORARY HAUL ROAD WAS EXTENDED FURTHER INTO THE EXCAVATION. AT THE BOTTOM OF THE RAMP CONTRACTOR SPREAD A LIFT OF MATERIAL ACROSS BOTTOM CELL TO HAND BUTTON SUMP IN MIDDLE.

SIGNIFICANT TIME SPENT KEEPING TRACK OF TRUCKS, AND SAFETY ISSUES WITH THEM

List of Subcontractors

DCW CIVIL

List of Materials Delivered

2380 CY. FILL

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
LOT	6702	77656CY + 6702 = 84358
FILL	2380	2246 + 2380 = 4626

Field Representative GREG VARNEY Date 19 Dec 2007

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 20 Dec 2001 Contract Day: 49 Contract Duration: 248

Days Remaining: 199

Weather

Temperature: (AM) 55° (PM) 70° Rain: — Duration of rain: —

Description of weather: Clean and breezy

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D6R Dozer (A)	CAT D400E Dump (A)
CAT 322 Excavator (A)	CAT D6M Dozer (A)	CAT D400E Dump (A)
Kobelco Excavator (A)	CAT 563 Compactor (A)	CAT D250E Dump (A)
CAT D7 Dozer (A)	CAT D400E Dump (A)	CAT D250E Dump (I)

CAT D5M Dozer (A) - From Borrow Pit

Personnel on site:

2	8	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Excavation continues along western edge of cell.

Borrow material was being transported in. Trucks were proceeding down the ramp, dumping, and the proceeding out the opposite side of excavation. 1 driver removed from site for pulling onto scale. Haulers walked off job due to "unsatisfactory" site conditions.

Contractor decided to use a layer of handpan on top to facilitate the fill hauling

Burcan performed 2 densities on fill placed in cell bottom. Both desities >100%.

Contractor moved soft unsuitable soils from southeast corner. Moved towards center of ~~Pond~~ excavation for removal

List of Subcontractors

DCW Civil Construction Burcan Geotech.

Mega Force Trucking

List of Materials Delivered

420 cy fill dirt

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
— Cut	5873 cy	84358 + 5873 = 90,231 cy
Fill	420	4626 + 420 = 5046

Field Representative [signature] Date 20 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Nondex

Date: 21 Dec 2001 Contract Day: 50 Contract Duration: 248

Days Remaining: 198

Weather

Temperature: (AM) 50 (PM) 70° Rain: - Duration of rain: -

Description of weather: Clear & Breezy

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D7 Dozer (A)	CAT D400E Dump (A)
Kobelco Excavator (I)	CAT 563 Compactor (A)	CAT D250E Dump (A)
CAT 322 Excavator (A)	CAT D400E Dozer (A)	CAT D250E Dump (A)
CAT D6R (A)	CAT D400E Dump (A)	CAT D5 Dozer (A)

Personnel on site:

2	9	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Excavation was ongoing on eastern side of excavation. Contractor removed unsuitable soils from middle of excavation. Soils had previously been pushed into piles.

Resumed hauling of material to build access ramp and road.

Contractor brought in smooth drum compactor to replace sheepsfoot for compaction.

List of Subcontractors

DCW Civil Construction

Mega Force Trucking

List of Materials Delivered

1442 cy. Fill

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
- Cut	2352	90231 + 2352 + = 92583 cy
Fill	1442	5046 + 1442 = 6488

Field Representative [signature] Date 22 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 22 Dec 2001 Contract Day: 81 Contract Duration: 248

Days Remaining: 197

Weather

Temperature: (AM) 50° (PM) 72° Rain: - Duration of rain: -

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

CAT 385 Excavator (A)	CAT 826 Dozer (A)	CAT D400E Dump (A)
Kobelco Excavator (I)	CAT D5 Dozer (A)	CAT 730 Dump (I)
CAT 322 Excavator (A)	CAT 563 Compactor (A)	CAT 730 Dump (I)
CAT D7 Dozer (I)	CAT 400E Dump (A)	CAT 740 Dump (A)

Personnel on site:

2	5	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor did not perform any gross excavation. Removed unsuitable soils from excavation bottom in southeast corner.

Hauled to fill material and continued to construct access ramp.

Brought in new dewatering pump for east side of excavation. Set pump and reset discharge lines

List of Subcontractors

DCW Civil Construction

Mego Force Trucking

List of Materials Delivered

2940 cy. Fill

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Lot	1764 cy	92583 + 1764 = 94347 cy
Fill	2940	64888 + 2940 = 94,28 cy

Field Representative [signature] Date 22 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONDEX

Date: 23 DEC 2001 Contract Day: 52 Contract Duration: 248

Days Remaining: 196

Weather

Temperature: (AM) — (PM) — Rain: — Duration of rain: —

Description of weather: —

List of Equipment on site: (A) for active (I) for idle

CAT 375 EXCAVATOR (I)	CAT D6 DOZER (I)	CAT D400 DUMP (I)
KOBELCO EXCAVATOR (I)	CAT D5 DOZER (I)	CAT D250 DUMP (I)
CAT 322 EXCAVATOR (I)	CAT D400 DUMP (I)	CAT D250 DUMP (I)
D8 DOZER (I)	CAT D400 DUMP (I)	CAT 563 COMPACTOR (I)

Personnel on site:

0	0	0
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

NO ACITIVITY

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	0	94,347
FILL	0	9,428

Field Representative [signature] Date 23 DEC 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hanover

Date: 24 Dec 2001 Contract Day: 53 Contract Duration: 248

Days Remaining: 195

Weather

Temperature: (AM) 50° (PM) 76° Rain: ____ Duration of rain: ____

Description of weather: Cloudy and cool am, partly cloudy, pm

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (I)	CAT D400E Dump (I)	CAT D250E Dump (I)
CAT D7 Dozer (I)	CAT D400E Dump (I)	Kobelco Excavator (I)
CAT D4R Dozer (A)	CAT D400E Dump (I)	CAT 322 Excavator (I)
CAT D5 Dozer (A)	CAT 250E Dump (I)	CAT 563 Compactor (A)
		Water Tanker (A)

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	

Description of Construction Activity

DCW was not active.

Continued to roll and move material on access ramp. Water tanker mobilized to aid in compaction

Dewatering pumps were on to control groundwater

List of Subcontractors

DCW Construction

List of Materials Delivered

Water Tanker

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut		94347 CY
Fill		9428 CY

Field Representative [signature] Date 24 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Landfill

Date: 25 Dec 2001 Contract Day: 54 Contract Duration: 248

Days Remaining: 194

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: —

Description of weather: -

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (I)	D6 Dozer (I)	CAT 563 Compactor (I)
Kobelco Excavator (I)	D5 Dozer (I)	Water Tanker (I)
CAT 322 Excavator (I)	(3) D400 Dump (I)	
D7 Dozer (I)	(2) D250 Dump (I)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

LEGAL HOLIDAY - NO ACTIVITY

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
COT	0	94,347 cy
Fill	0	9,428 cy

Field Representative [signature] Date 25 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 26 DEC 2001 Contract Day: 55 Contract Duration: 248

Days Remaining: 193

Weather

Temperature: (AM) 42° (PM) 62° Rain: — Duration of rain: —

Description of weather: PARTLY CLOUDY, WINDY, COLD

List of Equipment on site: (A) for active (I) for idle

CAT 375 EXCAVATOR (A)	CAT DER DOZER (A)	CAT D400E DUMP (A)
CAT 322 EXCAVATOR (I)	CAT D5M DOZER (A)	CAT D250E DUMP (A)
KOBELCO EXCAVATOR (A)	CAT D4ZE DUMP (A)	CAT D250E DUMP (I)
CAT D7 DOZER (I)	CAT D400E DUMP (A)	CAT 963 COMPACTOR (A)

Personnel on site:

WATER TANKER (A)	STREET SWEEP (A)	
2	10	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CONTINUED TO BRING IN FILL MATERIAL TO THE SOUTHEAST CORNER. BROUGHT IN HOMERON MATERIAL TO STRENGTHEN RAMP.

DCW CONTINUED EXCAVATION ALONG NORTH SIDE.

DCW ALSO WORKED TO MAINTAIN EXCAVATION STOCKPILES AREA

List of Subcontractors

DCW CIVIL CONSTRUCTION

MEGA FORCE TRUCKING

List of Materials Delivered

3038 cy FILL

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
BACKFILL	3038 CY	9428 + 3038 = 12,466 CY
CVT	4475	94,347 + 4475 = 98,822 CY

Field Representative CRAIG VONDAY Date 26 DEC 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 27 Dec 2001 Contract Day: 56 Contract Duration: 248

Days Remaining: 192

Weather

Temperature: (AM) 38° (PM) 60° Rain: ~ Duration of rain: ~

Description of weather: Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D6 Dozer (A)	CAT D400E Dump (A)
CAT 322 Excavator (A)	CAT D5 Dozer (A)	CAT D250 Dump (A)
CAT D7 Dozer (A)	CAT D400E Dump (A)	CAT D250 Dump (I)
CAT D6R Dozer (A)	CAT D400 Dump (A)	Kobelco Excavator (A)

Personnel on site: Burton (A) Water Truck (A) CAT 563 Compactor (A)

2	12	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Excavation occurring along northwest edge of site.

Backfilling occurring in southeast corner. Areas of unsuitable material were excavated and hauled to the stockpile area.

Burton took 3 densities in area of backfilling.

List of Subcontractors

DCW Civil Construction

Burton Geotechnical

List of Materials Delivered

3430 cy fill

Light Plant

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Backfill	3430 cy	12,466 + 3430 = 15,896 cy
Cut	3412 cy	98,822 + 3412 = 102,234 cy

Field Representative [signature] Date 27 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Hillsborough County Section I Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 28 Dec 2001 Contract Day: 57 Contract Duration: 248

Days Remaining: 191

Weather

Temperature: (AM) 50° (PM) 68° Rain: — Duration of rain: —

Description of weather: Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D400 Dump (A)	CAT 322 Excavator (A)
D6 Dozer (A)	CAT D400 Dump (A)	CAT D6R Dozer (A)
CAT D7 Dozer (A)	CAT D400 Dump (A)	CAT D5M Dozer (A)
Kobelco Excavator (A)	CAT D250 Dump (A)	CAT D6R Dozer (A)
Water Truck (A)	CAT D250 Dump (I)	CAT 563 Compactor

Personnel on site:

2	11	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

DCW excavated in areas to the north and in the northeast corner. Also conducted maintenance in the stockpile area (move material, dress slopes)

Handex continued to import fill into south east corner. Removed additional unsuitable material and backfilled with clean material

List of Subcontractors

DCW Civil Construction Mega Force Trucking

Burcam Geotechnical

List of Materials Delivered

Volvo EC460 Excavator 3906 cy Fill

Ingersoll Rand Compactor

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
3906 cy Fill	3906	15,896 + 3906 = 19,802 cy
Cut	0	102,234 cy

Field Representative [signature] Date 28 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section Capacity Expansion **Project number:** 09210020.32

Owner: Hillsborough County **Contractor:** Hardee

Date: 29 Dec 2001 **Contract Day:** 58 **Contract Duration:** 248

Days Remaining: 190

Weather

Temperature: (AM) 55° **(PM)** 72° **Rain:** - **Duration of rain:** —

Description of weather:

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D6 Dozer (I)	CAT D250 Dump (I)	CAT D5 Dozer (A
Kobelco Excavator (A)	CAT D400 Dump (I)	CAT D250 Dump (I)	
Volvo Excavator (A)	CAT D400 Dump (I)	CAT 322 Excavator (A)	CAT D6 Dozer (A)
CAT D7 Dozer (A)	CAT D400 Dump (I)	CAT D6 Dozer (A)	
Personnel on site:	IG Compactor (A)	CAT 383 Compactor (A)	

2	5	2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

DCW moved material in stockpile

Continued filling in southeast corner. Began first lift (el 117 to 119).
Bacon conducted 4 densities. All densities greater than 95%.

List of Subcontractors

DCW Civil Construction — Mega Force Trucking

Bacon Geotechnical

List of Materials Delivered

2002 cy Fill

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Backfill	2002 cy	19802 + 2002cy = 21804 cy
Cut	0	102,234 cy +

Field Representative Chris Kramer **Date** 29 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 30 Dec 2001 Contract Day: 59 Contract Duration: 248

Days Remaining: 189

Weather

Temperature: (AM) ~ (PM) ~ Rain: – Duration of rain:

Description of weather:

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (I)	(2) CAT D250 Dump (I)	CAT D6 Dozer (I)
Kobelco Excavator (I)	CAT 322 Excavator (I)	Broom (I)
Volvo Excavator (I)	CAT D7 Dozer (I)	Water Truck (I)
(3) CAT D40 Dump (I)	CAT D6 Dozer (I)	(2) Roller (I)

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
ϕ	ϕ	ϕ

Description of Construction Activity

NO ACTIVITY THIS DAY

List of Subcontractors

–

List of Materials Delivered

–

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	ϕ	21,804 cy
FILL		102,234 cy

Field Representative Date 30 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 31 Dec 2001 **Contract Day:** 60 **Contract Duration:** 248

Days Remaining: 188

Weather

Temperature: (AM) 65 **(PM)** 75° **Rain:** – **Duration of rain:** –

Description of weather: Mostly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (I)	CAT D400E Dump (I)	CAT 322 Excavator (A)	CAT D6 Dozer (A)
Gobelin Excavator (I)	CAT D400E Dump (I)	CAT D7 Dozer (I)	
Volvo Excavator (I)	CAT D250 Dump (I)	CAT D6 Dozer (A)	CAT 563 Compactor
CAT D400E Dump (I)	CAT D250 Dump (I)	CAT D6 Dozer (A)	

Personnel on site:

	Water Truck (I)	Street Broom (A) IR Compactor (A)
2	4	2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

DCW not onsite.

Handex continued backfilling in southeast corner.

List of Subcontractors

DCW Civil — Megafine Trucking

Burcan Geotechnical

List of Materials Delivered

cy. Fill

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Backfill	1862 cy	21,804 + 1862 = 23,666 cy
Cut	2618	102,234 cy + 2618 = 104,852 cy

Field Representative [signature] **Date** 31 Dec 2001

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 1 Jan 2002 Contract Day: 61 Contract Duration: 248

Days Remaining: 187

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather:

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (I)	(2) CAT 250 Dump (I)	CAT D6 Dozer (I)	CAT 563 Roller (I)
Kobelco Excavator (I)	CAT 322 Excavator (I)	Bobcat (I)	
Volvo Excavator (I)	CAT D7 Dozer (I)	Water Truck (I)	
(3) CAT D400 Dump (I)	CAT D6 Dozer (I)	IR Roller (I)	

Personnel on site:

ϕ	ϕ	ϕ
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

LEGAL HOLIDAY - NO ACTIVITY

List of Subcontractors

-		

List of Materials Delivered

-		

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	ϕ	104,852 cy
FILL	ϕ	23,666 cy

Field Representative [signature] Date 1 Jan 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION E CAPACITY EXPANSION **Project number:** 09200020.32

Owner: HILLSBOROUGH COUNTY **Contractor:** HARDER

Date: 2 JAN 2002 **Contract Day:** 62 **Contract Duration:** 248

Days Remaining: 186

Weather

Temperature: (AM) 58° **(PM)** 62° **Rain:** _____ **Duration of rain:** 2 HRS

Description of weather: CLOUDY, AFTERNOON RAIN

List of Equipment on site: (A) for active (I) for idle

CAT 375 EXCAVATOR (A)	CAT D400 DUMP (A)	CAT D7 DOZER (A)	10 Compactors
KOBELCO EXCAVATOR (A)	CAT D400 DUMP (A)	CAT D6R DOZER (A)	
VOLVO EXCAVATOR (A)	CAT D250 DUMP (A)	CAT D6M DOZER (A)	
CAT D400 DUMP (A)	CAT D250 DUMP (I)	CAT D6R DOZER (A)	

Personnel on site:

2	11	2
No. of Superintendents	No. of Skilled	No. of Laborers

(WATER TRUCK (A)) (CAT 563 COMPACTOR (A))

Description of Construction Activity

BACKFILLING CONTINUED IN SOUTHWEST CORNER. BACKFILL INSTALLED IN 1 FOOT LIFTS

DCW CONTINUES TO CORRECT SITUATION IN THE STOCKPILE. MINIMAL EXCAVATION OCCURRED ON NORTHWESTERN SIDE OF CELL.

COLLISION BETWEEN 2 DUMP TRUCKS. ONE BACKED INTO THE OTHER. MEGA FORCE CONTACTED FHP. FHP ONSITE TO FILE POLICE REPORT.

EXCAVATION AND HAULING OPERATIONS HALTED DUE TO RAIN. CONTRACTOR ATTEMPTED TO CONTINUE BUT WAS UNABLE DUE TO CONDITIONS

List of Subcontractors

DCW CIVIL CONSTRUCTION — BURNS GEOTECHNICAL

MEGA FORCE TRUCKING

List of Materials Delivered

CY FILL

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
BACKFILL	2744 CY.	23,666 + 2744 = 24,548 CY
CUT	2454	104,852 CY + 2454 = 107,306 CY

Field Representative CHRIS VANDEY **Date** 2 JAN 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.52

Owner: Hillsborough County **Contractor:** Handel

Date: 3 Jan 2002 **Contract Day:** 63 **Contract Duration:** 248

Days Remaining: 185

Weather

Temperature: (AM) 48° **(PM)** 55° **Rain:** _____ **Duration of rain:** Intermittent LT Rain

Description of weather: Cloudy, windy, and cold, intermittent

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (I)	CAT 400 Dump (A)	CAT 250 Dump (I)	CAT D6 Dozer (A)
Kobelco Excavator (A)	CAT 400 Dump (A)	CAT D7 Dozer (A)	
Volvo Excavator (A)	CAT 400 Dump (A)	CAT D6 Dozer (A)	CAT 563 Compactor (A)
CAT 322 Excavator (I)	CAT 250 Dump (A)	CAT D6 Dozer (A)	

Personnel on site:

	Street Brown ( )	Water Truck (A)	1K Compactor
2	10	4	
No. of Superintendents	**No. of Skilled**	**No. of Laborers**	

Description of Construction Activity

Corrected deficiencies in stockpile silt fencing

Began stockpiling excavated material in alternate stockpile area.

Moved dewatering pump from east side to middle of site. Began excavation on east side just north of backfill area.

Continued backfilling in southeast corner.

List of Subcontractors

DCW Civil Construction — Megaforce Trucking

Burcon Geotechnical

List of Materials Delivered

CY Fill

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Backfill	5558 CY	24,584 + 5558 = 30,106 CY
Cut	5067 CY	107,306 + 5067 = 112,373 CY

Field Representative Greg Varhay **Date** 3 Jan 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.38

Owner: Hillsborough County **Contractor:** Hardex

Date: 4 Jan 2002 **Contract Day:** 64 **Contract Duration:** 248

Days Remaining: ~~184~~ 184

Weather

Temperature: (AM) 34° **(PM)** 52° **Rain:** - **Duration of rain:** -

Description of weather: clear and cloud

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (I)	CAT D6 Dozer (A)	CAT D400 Dump (A)	TR Comp. (A)
Kobelco Excavator (A)	CAT D6 Dozer (A)	CAT D400 Dump (A)	Water Truck (A)
Volvo Excavator (A)	CAT D6 Dozer (A)	CAT D250 Dump (A)	
CAT D7 Dozer (A)	CAT D400 Dump (A)	CAT D250 Dump (I)	Bucan (A)

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
2	10 (CAT 322 Excavator (A))	4 (CAT 563 Compactor (A))

Description of Construction Activity

Fill material hauled in backfilling in SE corner. One lift installed.

DCW continued excavation along eastern edge of excavation in preparation for certification

List of Subcontractors

DCW Civil Construction, Mego Force Trucking, Bucan Geotechnical

List of Materials Delivered

4298 cy Fill

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Backfill	4298 cy	30,106 + 4298 = 34,404
Cut	4113 cy	112,373 + 4113 = 116,486

Field Representative Greg Vanney **Date** 4 Jan 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.38

Owner: Hillsborough County Contractor: Hardee

Date: 5 Jan 2002 Contract Day: 65 Contract Duration: 248

Days Remaining: 183

Weather

Temperature: (AM) 55° (PM) 70° Rain: - Duration of rain: -

Description of weather: clear & warm

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (A)	CAT D400 Dump (A)	CAT D250 Dump (I)	IR Comp. (A)
Volvo Excavator (A)	CAT D400 Dump (A)	CAT D6 Dozer (A)	Water Truck (A)
Kobelco Excavator (I)	CAT D400 Dump (A)	CAT D6 Dozer (A)	
CAT 320 Excavator (A)	CAT D250 Dump (A)	CAT D6 Dozer (A)	Sheep Foot (A)
	CAT 563 Compactor (A)	CAT D7 Dozer (A)	

Personnel on site:

2	8	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued backfilling in South East corner. Placed approx 1 lift.

DCW continues excavating along eastern limits and making good progress.

Contractor removed 1 trailer load of roots and debris from backfill area.

Burton performed densities, all of which passed.

List of Subcontractors

DCW Civil Construction
Burton Geotechnical
Mega Force Trucking

List of Materials Delivered

cy Fill

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Backfill	4550 cy	34,404 + 4550 = 38954 cy
Cut	4644 cy	116,486 + 4644 = 121,130 cy

Field Representative Chris Vonday Date 5 Jan 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 07200020.32

Owner: HILLSBOROUGH COUNTY Contractor: WARDEN

Date: 6 JAN 2002 Contract Day: ~~63~~ 66 Contract Duration: 248

Days Remaining: 182

Weather

Temperature: (AM) 55° (PM) 70° Rain: 0.8" Duration of rain: 2 HRS

Description of weather: CLOUDY, RAIN

List of Equipment on site: (A) for active (I) for idle

CAT 375 EXCAVATOR (I)	CAT D6 DOZER (I)	CAT 740 DUMP (I)	16. ROLLER (I)
KOBELCO EXCAVATOR (I)	CAT D7 DOZER (I)	CAT 740 DUMP (I)	
VOLVO EXCAVATOR (I)	CAT D6 DOZER (I)	CAT 740 DUMP (I)	WATER TRUCK (I)
CAT 322 EXCAVATOR (I)	CAT D6 DOZER (I)	CAT 250 DUMP (I)	

Personnel on site: CAT 563 COMPACTOR (I) CAT 250 DUMP (I) STREET BROOM (I)

∅	∅	∅
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

DCW CIVIL CONSTRUCTION BURGEON GEOTECHNICAL

MEGA FORCE TRUCKING

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	—	38954 cy
CUT	—	121,130 cy

Field Representative CHRIS VANDAY Date 6 JAN 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 1/7/02 MON. Contract Day: 67 Contract Duration: 248

Days Remaining: 181

Weather

Temperature: (AM) 39 (PM) 50 Rain: - Duration of rain: -

Description of weather: OVERCAST

List of Equipment on site: (A) for active (I) for idle

CAT 315 EXCAVATOR (A)	3ea CAT D6 DOZERS	CAT 563 ROLLER (A)
KOBELCO EXCAVATOR (A)	3ea CAT D400 OFF ROAD	IR 100 ROLLER (A)
VOLVO EXCAVATOR (A)	CAT 322 EXCAVATOR	BROOM (A)
CAT D7 DOZER 2Q	CAT D25D OFF ROAD WATER TRUCK I	4ea 8" PUMPS (A)

Personnel on site:

2	10	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity HANDEX ON SITE 7:00 AM MEGA TRUCKING HAULING APPROVED FILL FROM SHELLY LAKES BARROW. 3 LABORS ON HAND PICKING ROOTS AND STOCKPILING FOR REMOVAL. PLACING FILL IN 1' LIFTS. GRADING MATERIAL WITH TWO D6 DOZERS COMPACTING WITH SMOOTH DRUM ROLLER. FILL APPEARS TO BE CONSISTENT. MOISTURE AVERAGING 3.5 % OF OPTIMUM. BURGAU MONITORING PLACEMENT OF FILL. TESTED 5 IN PLACE DENSITIES AT EL 124 ALL OVER 95% RANGE BETWEEN 96-101. USING DRY SIDES AND SPEEDY. TEST TAKEN IN SE CORNER. SURVEYORS ON SITE UPDATING TOPO. ASKED HANDEX TO HAVE THEM REVERIFY LIMITS OF CONSTRUCTION EAST. DOS CONTINUED REMOVAL OF UNSUITABLE MATERIAL-HAULING WITH OFF ROAD TRUCKS AND STOCKPILING IN APPROVED AREA. INSPECTED SILT FENCE AFTER SUNDAYS RAIN EVENT SILT FENCE UP IN ALL AREAS. SOME MATERIAL COMMING IN, IN LARGE BOULDERS. CAUTIONED CONTRACTOR THAT THESE SHOULD BE BROKEN UP WITH DOZER. APPEARS MATERIAL IS BEING BROKEN UP BY DOZER AND COMPACTED. REJECTED TOPO SUB. DUE TO WRONG SCALE AND NOT TIED INTO N-E GRID ON DRAWINGS. UPDATED DENSITY LOG AND DRAWING

List of Subcontractors

D&D CIVIL CONST. MEGA FORCE TRUCKING - 29 TRUCKS

BURGAU GEOTECHNICAL

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL DIRT	419 LOADS @ 6048 CY	38954 + 6048 = 45002 cy
CUT	300 x 150 x 18 @ 5187 CY	121,130 + 5187 = 126,317 cy

Field Representative [signature] Date 1/7/01

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HARDEN Inc.

Date: 1/8/02 TUES Contract Day: 68 Contract Duration: 248

Days Remaining: 180

Weather

Temperature: (AM) 36 (PM) 55 Rain: -0 Duration of rain: -

Description of weather: SUNNY & CLEAR

List of Equipment on site: (A) for active (I) for idle

2 ea D6R CAT (A)	2 ea 6" PUMPS (A)	D6 M CAT DOZER (A)
563 CAT ROLLER (A)	BROOM (A)	2 ea CAT OFF ROAD (I) 250E
IS 100 ROLLER (A)	460 VOLVO EXCAVATOR (A)	CAT 315 EXCAVATOR (I)
322 CAT EXCAVATOR (A)	3 ea CAT OFF ROAD (A)	CAT D7 DOZER (A)

Personnel on site: 2 EXCAVATORS BARROW PIT

2	10	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity HARDEN ON SITE CONTINUED PLACEMENT OF FILL MATERIAL FROM SHELLY LAKE PIT. PLACING MATERIAL IN 12"-8" LIFTS ON SOUTH SIDE. DEMUCKING WET AREA ON SOUTH SIDE DEWATERING WITH 6" PUMPS. PUSHING WATER WITH DOZER AND HOE PLACING FINAL SUBGRADE LIFT NEAR POND AT EL 126. BURCAW ON SITE MONITORING SOIL PLACEMENT AND INPLACE DENSITIES. MATERIAL FROM BARROW SITE MIXED WITH SOME ROOTS AND CEMENTED SAND LABOR PULLING ROOTS - DOZER BREAKING UP LARGE PIECES OF CEMENTED SAND. INSPECTED BARROW PIT SPLIT SAMPLE OF CEMENTED SAND MATERIAL WITH BURCAW. DELIVERED TO ARDAMAN FOR TESTING. PHOTOGRAPHED PLACEMENT OF SUBGRADE. SPOKE WITH COUNTY REPRESENTATIVES ABOUT THERE CONCERN WITH CEMENTED SAND BEING USED AS FILL. SPOKE WITH ENGINEER ABOUT THIS CONCERN WITH MATERIAL. CAUTIONED CONTRACTOR THAT LARGE PIECES NEED TO BE WORKED IN SMALLER LIFTS TO BREAK UP MATERIAL. DCW CONTINUED EXCAVATION OF UNSUITABLE MATERIAL ON NORTHEAST AREA OF SITE. BURCAW TOOL 7 INPACE DENSITY TEST ALL PASSED ON EL 125 1 ON 126 ALL LOOSE

List of Subcontractors

BURCAW	MEGA FORCE TRUCKING	
DCW		

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL DIRT	~~5460~~ 4560 27 TRUCKS	45,002 + 4560 = 49562 CY
CUE	~~5250~~ 5250	126,37 + 5250 = 131,567

Field Representative [signature] Date 1/8/01

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION **Project number:** 09200020.22

Owner: HILLSBOROUGH COUNTY **Contractor:** HANDEX

Date: 1/9/02 WED **Contract Day:** 69 **Contract Duration:** 248

Days Remaining: 179

Weather

Temperature: (AM) 35 **(PM)** 59 **Rain:** -0- **Duration of rain:** NA

Description of weather: SUNNY & CLEAR

List of Equipment on site: (A) for active (I) for idle

2 - 6" PUMPS	A	BROOM	A	CAT D7 DOZER	(A)
IR ROLLER	A	WATER WAGON	A	CAT EXCAVATOR	(A)
CAT ROLLER	A	VOLVO EXCAVATOR	A	CAT EXCAVATOR	(A)
2 CAT D6 DOZER	A	3 - CAT OFF ROAD TRUCKS	A	CAT D5 DOZER	(A)

Personnel on site: TRI AXLE TRUCKS 33

1 H	4 H 7	6 A
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity HANDEX HAULING FILL MATERIAL FROM SHELLY LAKE PIT. PLACING FILL IN 8-12-INCH LIFTS ROUGH GRADING WITH D6 DOZER. COMPACTING WITH SMOOTH DRUM ROLLER. HAULED AND PLACED APPROX. 6580 CY FILL. LABORERS REMOVING ROOTS, BREAKING UP LARGE PIECES OF CEMENTED SAND WITH DOZERS INSTALLED LIFTS. TESTING IN PLACE DENSITIES WITH NUCLEAR GUAGE. BEGAN INSTALLING FIRST SIDESLOPE LIFT. GAVE DIRECTION THAT THE ENGINEER WANTED IN PLACE DENSITY TESTED EVERY 300 LINEAR FT. OF SLOPE LIFT. TO DESIGN ELEVATION. DEWATERING BOTTOM WITH 6" PUMPS.

EXCAVATED APPROX 7080 CY OF UNSUITABLE SOILS REMOVING SOILS AND STOCKPILING IN DESIGNATED AREA. RESHAPING STOCKPILE WITH CAT D7

BARCAW - TOOK IN PLACE DENSITYS ON 13 AREAS. 12 ON FILL 2 ON HORIZONTAL SLOPE LIFTS EASTERN PORTION OF LF, SE PORTION OF SLOPE WITH TROXLER. ALL LOGGED AND PUT ON DRAWING LIFTS 118, 119, 126 SLOPE 127, 128

List of Subcontractors

BARCAW — OMEGA TRUCKING

DGW

List of Materials Delivered

FILL

List of Quantities installed this date:

Item Description	Quantity		Accumulated Quantity
C. YARDS FILL	470 LOADS	6608 CY	49,562 + 6608 = 56,170
C. YARDS CUT	384 LOADS	7074 CY	131,567 + 7074 = 138,641

Field Representative _____ **Date** 1/9/02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX INC.

Date: 1/6/02 THRS Contract Day: 70 Contract Duration: 248
Days Remaining: 178

Weather
Temperature: (AM) 40 (PM) 60 Rain: -0- Duration of rain: N/A
Description of weather: SUNNY & CLEAR

List of Equipment on site: (A) for active (I) for idle

2 6" PUMPS	(A)	WATER TRUCK	A	CAT D5 DOZER	(A)
IR ROLLER, CAT ROLLER	(A)	VOLVO EXCAVATOR	A	2 CAT EXCAVATORS	(A)
SHEEPS FOOT ROLLER	(A)	4 CAT OFF ROAD TRUCKS	A	3 TRIAXLE TRUCKS	(A)
BROOM	(A)	CAT D7	A	KOBELCO EXCAVATOR	(A)

Personnel on site:

1 M 1	3 M 6 CWI	6 A
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity HANDEX CONTINUED TO HAUL FILL MATERIAL FROM THE SHELLY LAKE PIT. PLACING FILL IN 12" LIFT. LABOR REMOVING ROOTS. SPREADING WITH D6. COMPACTING WITH SHEEPS FOOT ROLLER AND SMOOTH DRUM ROLLER BARCAN TAKING IN PLACE DENSITY TEST WITH TROXLER. INSTALLING FILL ON EAST AND SOUTH. PREPARED ADDITIONAL AREA FOR PLACEMENT OF FILL PENINSULA SURVEY BOTTOM AREA 3 TO NORTH. DCW EXCAVATING UNSUITABLE FILL ON NORTHEAST AND NORTHWEST. HAULING TO DESIGNATED STOCKPILE. DRESSING STOCKPILE WITH D7.

BARCAN - TAKING IN PLACE DENSITY TEST ON LIFTS. TESTED 14 AREAS. ALL LOGGED AND PLOTTED

LABOR - REMOVING ROOTS AND STICKS FROM BACKFILL

IN PLACE DENSITY TEST 14 ON EASTERN PORTION OF SITE EAST OF HAUL ROAD

List of Subcontractors

DCW	OMEGA TRUCKING	PENINSULA SURVEYING
BARCAN	TRAN PHOS TRUCKING	

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	4284 CY	138,644 + 4284 = 142,928 CY
FILL	7196 CY	56,170 + 7196 = 63,366 CY

Field Representative KA Date 1/10/02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION **Project number:** 9200020.52

Owner: HILLSBOROUGH COUNTY **Contractor:** HANDEX INC

Date: 1/11/02 FRI **Contract Day:** 71 **Contract Duration:** 248

Days Remaining: 179

Weather

Temperature: (AM) 45 **(PM)** 65 **Rain:** -0- **Duration of rain:** -0-

Description of weather:

List of Equipment on site: (A) for active (I) for idle

2 6" PUMPS	A	2 SMOOTH DRUM ROLLERS	A	4 CAT OFF ROAD TRUCK	A
WATER WAGON	A	1 SHEEP FOOT ROLLER	A		
BOBCAT	A	1 CAT EXCAVATOR	A		
2 CAT D6	A	1 KOBELCO EXCAVATOR	A		

Personnel on site:

1 H	3 H TOP CWO	6 H
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity HANDEX CONT. HAULING FILL MATERIAL FROM SHELLY LAKE P.T. DIRECT DUMPING MATERIAL GRADING IN 1 FOOT LIFTS, COMPACTING WITH SHEEP FOOT AND SMOOTH DRUM ROLLER. CABER REMOVING STICKS AND DEBRIS. BARCAY ON SITE TOOK IN PLACE DENSITY TEST ON FILL. BEGAN FILLING AREA SURVEYED THURSDAY MOVED SOUTH TO NORTH EAST OF HAUL ROAD IN AREA 3.

BARCAY UPDATED TEST LOG AND PLOTTED ON TEST ON DRAWING.

RECEIVED 3 TRUCK LOADS OF LINER AND 2 TRUCK LOADS COMPOSITE. LOGGED ALL ROLLS AND INSPECTED. ROLLS PLACED ON TARS IN SOUTH AREA NEAR EFFLUENT PONDS.

DCW - BEGAN EXCAVATION OF MATERIAL SOUTH AREA WEST OF HAUL ROAD AND NORTHEAST AREA NEAR LIMITS OF CONSTRUCTION.

List of Subcontractors

DCW	TRANS PHOS	
OMEGA		

List of Materials Delivered

60 MIL HDPE	279,151 SF	279,151 SF
BI LINER COMPOSITE	157,731 SF	157,731

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	0	142,925 CY
FILL	8022 CY	63,366 + 8022 = 71388 CY

Field Representative CA **Date** 1/11/01

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Kyles Bayou County **Contractor:** Handex

Date: 12 Jan 2002 **Contract Day:** 72 **Contract Duration:** 248

Days Remaining: 176

Weather

Temperature: (AM) 50° **(PM)** 70° **Rain:** — **Duration of rain:** —

Description of weather: Cloudy and cool

List of Equipment on site: (A) for active (I) for idle

CAT 375 Excavator (I)	2 DL Dozer (A)	3 CAT D400E Dumps (A)
CAT 322 Excavator (A)	D7 Dozer (A)	1 CAT D250 Dump (A)
Kobelco Excavator (A)	2 smooth drum roller (A)	1 CAT D250 Dump (I)
Volvo Excavator (A)	1 sheeps foot roller (A)	Water Truck (A)
		Street Sweeper (A)

Personnel on site:

1	1 M & 8 Dcw	6
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

No hauling or backfilling due to error by surveyor. Survey information was misplaced and unavailable for certification of Area B.

Handex continued to compact on water areas that had been previously filled. Also swept asphalt landfill road.

Dcw excavation in northeast corner at limits of excavation

List of Subcontractors

Dcw Civil Construction

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Excavation	3864 cy.	146,789 cy
Backfill	0 cy	cy

Field Representative _____ **Date** 12 Jan 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Hill Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 13 Jan 2002 **Contract Day:** 73 **Contract Duration:** 248

Days Remaining: 175

Weather

Temperature: (AM) _____ **(PM)** _____ **Rain:** _____ **Duration of rain:** _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck (I)	2 Smooth Drum Rollers (I)	Volvo Excavator (I)
Cat Excavator (I)	1 Sheeps Foot (I)	3 Cat D400 Dump (I)
Cat 322 Excavator (I)	1 D7 Dozer (I)	2 Cat D250 Dump (I)
2 Cat D6 Dozer (I)	Kobelco Excavator (I)	Street Broom (I)

Personnel on site:

∅	∅	∅
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

DCW Civil Constructors — Trans Phos

Mega Force Trucking

List of Materials Delivered

∅

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Backfill ∅	∅	52,178 cy
Excavation	∅	146,789 cy

Field Representative [signature] **Date** 13 Jan 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 01200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 14 Jan 2002 **Contract Day:** 74 **Contract Duration:** 248
Days Remaining: 174

Weather
Temperature: (AM) 50° **(PM)** 66° **Rain:** **Duration of rain:** 3 hrs.
Description of weather: cloudy : rain

List of Equipment on site: (A) for active (I) for idle

1 Kobelco Excavator (A)	D7 Dozer (A)	1 Cat 250 Dump (A)
1 Volvo Excavator (A)	2 Smooth Drum Roller (A)	1 Cat 250 Dump (I)
1 Cat 322 Excavator (A)	1 Sheeps Foot Roller (A)	Water Truck (A)
2 D6 Dozer (A)	3 Cat D40 Dumps (A)	Street Broom (1)

Personnel on site:

1	9	6
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

DCW - Excavation along southern limits of excavation to the west of access ramp.

Hardex continued hauling fill and dumping in area 3. Fill placed and compacted in 1 foot lifts. Bureau onsite to monitor fill placement. Filling and hauling operations were halted due to weather. Contractor attempted to continue but site conditions become unsuitable. Began leveling and grading additional stockpile area to north of excavation.

Received 2 trucks of geocomposite and 1 truck of HDPE geomembrane. Material stored on liner to the south of the excavation. All materials inspected and logged.

List of Subcontractors

DCW Civil Constructors	Trans-Pinos Trucking	Peninsula Surveying
Mego Force Trucking	Bureau Geotechnical	

List of Materials Delivered

60 Mil HDPE	143,520 SF	422,671 SF
Geocomposite	157,601 SF	315,322 SF

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Backfill	434	52,178 CY
Excavation	150 Loads, 2604 / 3150 CY	51,632 149,939 CY

Field Representative _____ **Date** 14 Jan 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

RAIN

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX INC.

Date: 1/15/02 Contract Day: 75 Contract Duration: 248

Days Remaining: 173

Weather

Temperature: (AM) 55 (PM) 65 Rain: ~.750 Duration of rain: 4 hrs RAIN LATE PM YESTERDAY

Description of weather:

List of Equipment on site: (A) for active (I) for idle

1 VOLVO EXCAVATOR	(A)	WATER TRUCK	I	CAT 2500 DUMP	I
2 CAT D6 DOZER	(A)	CAT 325 EXCAVATOR		CAT D6	A
2 6" HYD PUMPS	(A)	CAT 4000 DUMP	2 (A)	CAT D7	I
BROOM	(A)	CAT 4000 DUMP	1 I	1 VOLVO	A
				1 KOBELCO	A

Personnel on site:

1	10	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity DUE TO .750" RAIN LATE PM EARLY AM NO TRUCKS HAULING FILL. THIS WILL EFFECT CRITICAL PATH. HANDEX CONCENTRATING ON DEWATERING AND DEMUCKING SURVEYED AREAS. COMPACTING EXISTING PLACED FILL. BURCAW ON SITE 24HRS UPDATING LOG AND PLOTTING INPLACE DENSITY TEST. PENINSULA TOPOING BOTTOM ON WEST SIDE OF HAUL RAMP. DLW DEMUCKING ON SOUTHWEST SIDE INSPECTED SILT FENCE HANDEX PERFORMING MINOR REPAIRS

DLW EXCAVATING SOILS WEST OF RAMP ON SOUTH, NORTHEAST CORNER, WEST AREA.

INSPECTED BARROW AT SHELLY LAKE ROAD, WILL CONTINUE HAUL IN AM

PENISULA - MARKED TOP OF SLOPE LIMITS OF EXCAVATION ON NE CORNER
PROBLEM WITH WATER OVERFLOWING DRAINAGE DEWATERING DITCH - RESOLVED BY EMPTYING
* RECEIVED 124,384 SF 60 MIL HDPE - LOGGED & INSPECTED

List of Subcontractors

DLW	PENISULA SURVEYING	
BURCAW		

List of Materials Delivered

		STORED
60 MIL HDPE	124,384 SF	547,055 SF

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
DLW CUT	135 LOADS 203 CY	152,277 cy
FILL	0 cy	54,782 cy

Field Representative KRD Date 1/15/02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SOUTHEAST LANDFILL CAPACITY EXPANSION Project Number: 03000210.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX INC.

Date: 1/16/02 TUES Contract Day: 76 Contract Duration: 248 Days Remaining: 172

Weather

Temperature: (AM) 55 (PM) 72 Rain: -0- Duration of Rain:

Description of weather: SUNNY & CLEAR

List of Equipment on site: (A) for active (I) for idle

2EA 6" PUMPS (A)	SHEEPFOOT ROLLER (ACTIVE)	3 OFF ROAD CAT 740D ACTIVE
2EA CAT D6 DOZER (A)	BACKHOE A	2EA VOLVO EXCAVATORS (A)
IR SMOOTH DRUM ROLLER (A)	WATER TRUCK (A)	BORROW 2 CAT EXC. 1 CAT
CAT SMOOTH DRUM ROLLER (A)	CAT 535 EXCAVATOR (A)	D6 DOZ. (A)

Personnel on site: D5 DOZER CAT

1 H	7 H 7 DCW	6 H
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity HANDEX ON SITE 7:00 AM CONTINUED IMPROVEMENT OF DEWATERING DITCH TO OUTFALL. CONTINUED HAULING MATERIAL FROM SHELLY LAKE PIT. PLACING IN 12" LIFTS COMPACTING WITH SHEEP FOOT AND SMOOTH DRUM ROLLER. PLACING LIFT 120 EL & 121 EL ON NORTHEAST QUADRANT OF CELL. BEGAN DEWATERING AGAIN AT 10:30 REPLACED SILT FENCE AT OUTFALL. CONTINUED HAULING THROUGHOUT DAY. PERIODICALLY MONITORED TRUCKS FOR SPEED AND USE OF TARPS

LABOR CONTINUED REMOVAL OF ROOTS AND DEBRIS. LATE IN PM BEGAN PLACING SOIL AT TOE OF SLOPE ON EAST TO EXTEND 3 TO 1 SLOPE. PLACING 1 18' LIFT SOUTH TO NORTH. HANDEX CONTINUED DEWATERING THROUGHOUT DAY.

HELD PROGRESS MEETING WITH COUNTY & HANDEX - SEE MEETING MINUTES

BROOM SWEPT ROADS PRIOR TO LEAVING FOR DAY.

BURLAW - PERFORMING 8 INPLACE DENSITIES ON LIFTS 120 & 121 ON NORTHEAST QUADRANT ALL TEST OVER 95% MOISTURE CONTENT RANGING FROM 10.9-12.9 WITHIN OPTIMAL 3%. LOGGED ALL TEST AND PLOTTED ON REDLINE DRAWING ALL TESTING AND DOCUMENTATION UP TO DATE

DCW - EXCAVATING AND HAULING UNSUITABLE SOILS. STOPPED HAULING AT 1:00 PM. CONTINUED STOCK PILE MANAGEMENT.

List of Subcontractors

BURLAW ENG.	TRANSPAC TRUCKING	
DCW	OMEGA TRUCKING	

List of Materials Delivered

NO MATERIAL DELIVERED THIS DAY

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	106 LOADS 2226 CY	155005 CY
FILL	- - . 5899 CY	51,782 CY

Field Representative KA Date 1/17/02

(see reverse side for documentation of quantities)

SCS ENGINEERS DAILY FIELD REPORT

Project: SOUTHEAST LANDFILL CAPACITY EXPANSION Project Number: 9200020.32

Owner: _____ Contractor: HANDEX INC.

Date: 1/17/02 THURS Contract Day: 77 Contract Duration: 248 Days Remaining: 171

Weather
Temperature: (AM) 52 (PM) 65 Rain: 0.12 Duration of Rain: SPORADIC
Description of weather: OVERCAST CLOUDY LIGHT SPRINKLE

List of Equipment on site: (A) for active (I) for idle

2 6" PUMPS (A)	1 D5 DOZER (A)	2 CAT TRUCKS (E)
1 BROOM (A)	1 D7 DOZER (A)	2 VOLVO EXCAVATORS (A)
1 WATER TRUCK (A)	1 325 EXCAVATOR (A)	
2 DC DOZERS (A)	3 4000 CAT TRUCKS (A)	

Personnel on site: BORROW PIT 3 EXCAVATORS

1	4	8
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity HANDEX ON SITE 7:00 AM. CONTINUED HAULING FILL MATERIAL FROM SHELLY LAKE BORROW. INFORMED OF BROKEN TOWERLINE GROUNDING BROKE OVERNIGHT. INCIDENT OF HITTING WIRE OCCURRED 1/15/02. WIRE REPAIRED BY TECO.
LATE MORNING MATERIAL BEGAN COMMING IN WITH LARGE PIECES OF CEMENTED SAND. HANDEX BREAKING UP WITH DOZER AND SHEEPS FOOT VIBRATORY ROLLER. EARLY AFTERNOON BEGAN PLACING 1 FOOT LIFT WEST OF HAUL RAMP ON AREA THAT WAS SURVEYED MONDAY. HAVE NOT RECEIVED SURVEY DATA. CONTRACTOR PLACING AT OWN RISK.
DCW CONTINUED EXCAVATION OF UNSUITABLE MATERIAL JUST EAST OF NORTH RAMP. HAULING MATERIAL TO STOCK PILE. CONDITION OF STOCKPILE IMPROVING WITH YESTERDAYS EFFORT. REMOVING NORTH RAMP STOCK PILING ON WEST SIDE
BURCAW - ON SITE TAKING IN PLACE DENSITIES ON LIFTS 122 & 123 & 119 MATERIAL CONSISTENT. MOISTURE CONTENT BETWEEN 10.8 & 14.6 WITHIN 3 % OF OPTIMAL & TEST TAKEN ON LIFTS AT NORTH/EAST QUADRANT & SW ALL TEST PASSING.

List of Subcontractors

DCW	TRIPPHOS TRUCKING	
BURCAW ENG	OMEGA TRUCKING	

List of Materials Delivered

TRUCK1	18 LLS COMPOSITE	18 ROLLS 78,300 SF	393,632 TOTAL SF
TRUCK2	ROLLS COMPOSITE	18 77,575 SF	471,207 TOTAL SF

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	3381 cy	158,384
FILL	7532 cy	60,681 cy

Field Representative _____ Date 1/17/02

(see reverse side for documentation of quantities)

SCS ENGINEERS DAILY FIELD REPORT

Project: S.E.L.F CAPACITY EXPANSION Project Number: 9200020.82

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 11/18/02 Contract Day: 78 Contract Duration: 248 Days Remaining: 170

Weather

Temperature: (AM) 60 (PM) 72 Rain: -0- Duration of Rain: -

Description of weather: SUNNY & CLEAR

List of Equipment on site: (A) for active (I) for idle

2 6" PUMPS (A)	CAT 325 EXCAVATOR A	1 CAT D7 (A)
1 BROOM (A)	2 CAT 4000 TRUCKS A	2 CAT D6 (A)
1 WATER TRUCK (A)	1 CAT 3500 TRUCK I	2 VOLVO EXCAVATORS (A)
2 CAT D6 DOZER	2 CAT 4000 TRUCKS I	

Personnel on site: BARRON - 3 EXCAVATORS 1 D5

1	5+5	8
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity HANDEX ON SITE @ 7:00 AM. CONTINUED HAULING FILL FROM SHELLY LAKE PIT. PLACING MATERIAL IN 12-INCH LIFTS WITH DOZER, COMPACTING WITH VIBRATORY SMOOTH DRUM AND SHEEPS FOOT ROLLER. LARGE CEMENTED SAND BROKEN UP WITH DOZER AND SHEEPS FOOT ROLLER LABOR REMOVING ROOTS AND DEBRIS - HAULING BACK TO PIT FOR DISPOSAL. MONITORED TRUCKING IN PM. HAD THREE RUNNING WITHOUT TARPS. TWO TRUCKS TARP ROLLERS INOPERATIONAL - DIRECTED THEM TO FIX. 1 TRUCK PULLED OVER AND MADE TO TARP. - SEE FILL
D&M - REMOVING NORTH RAMP TO LINES AND GRADES - SEE CUT
ISSUES - SOUTHEAST AREA ADJACENT TO RAMP - CONTRACTOR STOPPED DIRECTED TO DEMUCK AREA AGAIN AND DOWNTIER PRIOR TO PLACING SOILS. SOUTHEAST AREA ADJACENT TO RAMP. WHERE UNSUITABLE SOIL WAS INADVERTENTLY MIXED. AREA MARKED FOR 6 H. AUGER BORINGS
BURCAN - ON SITE TAKING IN PLACE DENSITY TEST ON LIFTS 119 120 123 MATERIAL CONSISTENT MOISTURE CONTENT BETWEEN 9.4% TO BE OPTIMAL WITHIN 4.5%
TESTING AREA WEST OF HAUL RAMP. TESTED 12 INCH LIFTS IN 7 LOCATIONS RECEIVED 2 TRUCK LOADS OF COMPOSITE - SEE MAT. DELIVERED

List of Subcontractors INVENTORIED ALL DELIVERED MATERIALS

BURCAN	BARRON TRUCKING	
TRANSPHOS TRUCKING		

List of Materials Delivered

COMPOSITE	TN3002/0861 18,300 - NOTE NOT APPROVED BY ENG.	
	TN3002/1128 80,170 TO 138,470	629,677

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	3045 cy	161,429 cy
FILL	8078 cy	68,213 cy

Field Representative KAC Date 11/18/02

(see reverse side for documentation of quantities)

SCS ENGINEERS DAILY FIELD REPORT

Project: S.E.L.F CAPACITY EXPANSION Project number: 920020.32

Owner: HILLS BOROUGH COUNTY Contractor: HANDEX INC

Date: 1/19/01 SAT Contract Day: 79 Contract Duration: 248

Days Remaining: 169

Weather

Temperature: (AM) 58 (PM) 72 Rain: -0- Duration of rain: —

Description of weather: SUNNY & CLEAR

List of Equipment on site: (A) for active (I) for idle

1 BROOM (A)	1 D5 DOZER (A)	2 CAT 4000 TRUCKS (A)
2 6" PUMPS (A)	1 D6 DOZER (A)	2 VOLVO EXCAVATOR (A)
1 WATERTRUCK (A)	2 SMOOTH DRUM ROLLER (A)	1 D7 ACTIVE
CAT 322 EXCAVATOR A	1 SHEEPS FOOT (A)	1 D5 ACTIVE

Personnel on site: 3 EXCAVATORS BORROW

1	10	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity HANDEX HAULING FILL MATERIAL FROM SHELLY LAKE BORROW. PLACING IN 1-FOOT LIFT IN NE QUAD. WITH D6 DOZER. COMPACTING WITH SMOOTH AND SHEEPS FOT VIBRATORY ROLLER. PLACING MATERIAL IN NORTHEAST QUADRANT LABOR REMOVING ROOTS & DEBRIS. HANDEX OPTED TO WAIT TILL MONDAY TO DEMUCK AREA WEST OF HAUL RAMP. RECEIVED TRUCK LOAD OF GEOTEXTILE. INVENTORIED - SEE MAT. DEL. PATROLED TRUCKS - STOPPED ONE DUE TO SPEEDING ON SITE, 1 NOT USING TARP. CAUTIONED BOTH

DCW EXCAVATING NORTH RAMP AND PERFORMING MAINTENANCE ON STOCKPILE BURCAW ON SITE PERFORMING IN PLACE DENSITY TEST ON LIFTS IN THE NORTHEAST QUADRANT, TESTED IN 8 AREAS. ALL TEST PASSING, MOISTURE WITHIN 4% OF OPTIMAL. SOILS CONSISTENT ON LIFT 123, 124, 125 NORTH EAST QUADRANT BURCAW - PERFORMED 6 HAND AUGER BORINGS TO A DEPTH OF 3' IN AREAS MARKED BY ENG. DOCUMENTED SOIL IN ONE FOOT INCREMENTS NO UNSUITABLE SOILS (CLAY) FOUND

List of Subcontractors

DCW	TRANPHOS TRUCKIN	
BURCAW ENG	MEGA TRUCKING	

List of Materials Delivered

		INVENTORY
GEO COMPOSITE	~~78300 TN~~ 3002/0864	709,977 SF

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	6202 cy	76,291 cy
CUT	3045 cy	164,474 cy

Field Representative Greg Vonday Date 19 JAN 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: S.E.L.F. CAPACITY EXPANSION Project number: 9200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX INC

Date: 1/20/02 SUN. Contract Day: 80 Contract Duration: 248
Days Remaining: 168
Weather
Temperature: (AM) 60 (PM) 79 Rain: -0- Duration of rain: N/A
Description of weather: SUNNY & CLEAR
List of Equipment on site: (A) for active (I) for idle

2 6INCH PUMPS (A)	2 SMOOTH DRUM ROLLER I	WATER TRUCK I
1 D5 DOZER (A)	1 SHEEPFOOT ROLLER	BROOM A
D6 DOZER (A)	2 VOLVO EXCAVATORS	D7 DOZER I
322 EXCAVATOR (A)	4 4000 CAT TRUCKS I	D5 DOZER I

Personnel on site:

1	2	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity HANDEX ON SITE @ 8:00 AM. CONTINUED DEWATERING. DEMUCKING AND ROUGH GRADING BOTTOM. PERFORMING GENERAL SITE CLEANUP. REMOVING UNSUITABLE MATERIAL ON NORTH SLOPE. PREPARING BOTTOM FOR SURVEYORS WHICH WILL MOBILIZE MONDAY 21ST.

DCW - NOT ON SITE
BORROW IDLE
NO TRUCKING THIS DAY

List of Subcontractors
NO SUBS ON SITE

List of Materials Delivered
NO MATERIALS DELIVERED

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	0 CY	164,474 cy
FILL	0 CY	82,493 cy

Field Representative [signature] Date 1/20/02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: S.E.L.F. CAPACITY EXPANSION Project number: 02000302

Owner: HILLSBOROUGH COUNTY Contractor: HARDEE

Date: 1/21/02 MON Contract Day: 81 Contract Duration: 248
Days Remaining: 167
Weather
Temperature: (AM) 60 (PM) 79 Rain: -0- Duration of rain: -
Description of weather: SUNNY & CLEAR
List of Equipment on site: (A) for active (I) for idle

2 6" PUMPS A	D5 DOZER A	D7 CAT DOZER A	
WATER TRUCK A	322 EXCAVATOR A	1 SHEEPFOOT (A)	
BROOM A	1 M VOLVO A	2 SMOOTH DRUM ROLLER I	
D6 DOZER A	3 M CAT 4000 A		

Personnel on site: 3 EXCAVATORS AT BARROW (I)

1	3	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity ON SITE 7:00 CONTINUED TO DRESS BOTTOM TO LINES & GRADES. DEWATERING & DEMUCKING. ROUGH GRADING NORTH SLOPE. NO TRUCKS THIS DAY DUE TO COUNTY HOLIDAY LEFT AT 3:00 PM

RECEIVED 54 ROLLS OF COMPOSITE - LOGGED

DCW - CONTINUED TO EXCAVATE UNSUITABLE MATERIAL ON NORTH & WEST BERM CONTINUED MAINTENANCE ON STOCKPILE 7:00 - 5:30
PENINSULA - ONSITE 9:00 - 2:30 UNABLE TO TIE IN GRADE WILL RETURN IN AM

List of Subcontractors
PENINSULA SURVEYOR

List of Materials Delivered

TN 3002/0861 COMP	54 ROLLS	942,877 SF

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	3815 cy	148,289 yd³
FILL	0 cy	82,493 yd³

Field Representative KH Date 1/21/02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section Capacity Expansion Project number: 09200020.32

Owner: Hillsborough Contractor: Handex

Date: 22 Jan 2002 Contract Day: 82 Contract Duration: 248

Days Remaining: 166

Weather

Temperature: (AM) 72° (PM) 82° Rain: - Duration of rain: -

Description of weather: Sunny & clear

List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	D5 Dozer (A)	(2) Smooth Drum Roller (A)
Kobelco Excavator (A)	D400 Dumps (3) (A)	Sheepsfoot Roller (A)
D7 Dozer (A)	D250 Dump (A)	Water Truck (A)
(2) D6 Dozers (A)	D250 Dump (I)	Street Broom (A)
Personnel on site:	3 Cat Excavator Borrow Pit (A)	Cat 322 Excavator (A)
1	8	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Handex continued to haul backfill material and place in 1 foot compacted lifts. Removed unsuitable soils from bottom of excavation to west of access ramp.

DCW - Continued to excavate along western limits of excavation. Performed maintenance on stockpiles

Received 12 rolls of Geomembrane and 18 rolls of Geocomposite. All material inventoried and logged.

Burgon onsite to provide monitoring of fill placement. Performed 9 in-place density test. All tests were passing with between 95 and 100 % compaction

Peninsula Surveying was onsite to survey bottom of excavation in middle of proposed cell.

List of Subcontractors

DCW Construction	Trans-Pacs	Peninsula Surveying
Mega Force Trucking	Burgon Geotechnical	

List of Materials Delivered

Geomembrane 60 mil HDPE	12 rolls 143,750 sf	690,805 sf
Geocomposite	18 rolls 77,633	1,020,510 sf

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	2919 cy	171,208 cy
Fill	7924 cy	90,417 cy.

Field Representative Date 22 Jan 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION **Project number:** 09200020.32

Owner: HILLSBOROUGH COUNTY **Contractor:** HANDEX

Date: 23 JAN 2002 **Contract Day:** 93 **Contract Duration:** 248
Days Remaining: 165
Weather
Temperature: (AM) 65° **(PM)** 82° **Rain:** - **Duration of rain:** -
Description of weather: SUNNY AND CLEAR
List of Equipment on site: (A) for active (I) for idle

VOLVO EXCAVATOR (A)	D7 DOZER (A)	(2) SMOOTH DRUM ROLLER (A)
KOBELCO EXCAVATOR (A)	D5 DOZER (A)	SHEEPSFOOT ROLLER (A)
CAT 325 EXCAVATOR (A)	(3) D400 DUMP (A)	WATER TRUCK (A)
(2) D6 DOZERS (A)	2 D250 DUMP (A)	BROOM (A)

Personnel on site:

3 EXCAVATORS @ BORROW (A)		
1	8	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

HANDEX CONTINUED TO HAUL BACKFILL FROM SHELLEY LAKES MINE. FILL PLACED AND COMPACTED IN 1-FOOT LIFTS ALONG EASTERN WALL OF CELL. FINAL GRADED CELL BOTTOM IN NE CORNER. BROUGHT ALL AREAS TO EL. 118 OR BELOW. SOME AREAS WERE INITIALLY ABOVE EL. 118.

DCW CONTINUED TO EXCAVATE MATERIAL ALONG WESTERN LIMITS OF EXCAVATION.

INVENTORIED AND LOGGED 53 ROLLS OF LINER & GEOCOMPOSITES. ALL MATERIAL WAS PLACED ON TIRES TO KEEP OFF GROUND

BURCON PERFORMED 9 IN-PLACE DENSITIES. ALL TESTS EXCEEDED 95% COMPACTION.

PENINSULA SURVEY WAS ONSITE TO SURVEY CELL BOTTOM.

List of Subcontractors

DCW CONSTRUCTION	TRANS-PINGS TRUCKING	PENINSULA SURVEYING
MEGA FORCE TRUCKING	BURCON GEOTECHNICAL	

List of Materials Delivered

LINER	35 ROLLS	418,600 S.F.	1,109,405 SF
GEOCOMPOSITE	18 ROLLS	74,415 SF.	1,094,925 SF

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	9338 CY	99,755 CY
CUT	CY	

Field Representative _____ **Date** 23 JAN 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hanson

Date: 24 Jan 2002 **Contract Day:** 84 **Contract Duration:** 248
Days Remaining: 164

Weather
Temperature: (AM) 70° **(PM)** 82° **Rain:** - **Duration of rain:** -
Description of weather: sunny & clear

List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	D7 Dozer (A)	2 smooth drum roller (A)
Kobelco Excavator (A)	D5 Dozer (A)	Sheepsfoot Roller (A)
Cat 320 Excavator (A)	(3) D400 Dump (A)	Water Truck (A)
(2) D6 Dozer	(2) D250 Dump (A)	Broom (A)

Personnel on site: 3 Excavators @ Borrow Pit (A)

1	8	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hanson continued to backfill along the eastern wall of the proposed cell. Material came from Shelly Lords and American Aggregate. Material from American contained large balls of clayey material. Contractor halted the delivery of this unsuitable material. Approx 18 truck loads were delivered, but was not spread. Material was removed from cell and placed outside the limits of excavation.

DCW continued to excavate along western limits.

Burton was onsite to monitor fill placement. Performed densities. Compaction was between and .

Peninsula Survey was onsite to survey north side of cell and cell bottom.

Visited American Aggregate Borrow site. Material onsite was stockpiled and contained large clay balls and limestone. Material was unsuitable for use.

List of Subcontractors

DCW Construction	Trans-Pinos Trucking	Peninsula Surveying
Mega Force Trucking	Burton Geotechnical	Jansons Trucking

List of Materials Delivered

Liner	71,990 s.f.	1,181,395 s.f.
Geocomposite	13,050 sf.	1,107,975 s.f.

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	2299 cy	177,886
Fill	9414 cy	98,831

Field Representative _____ **Date** 24 Jan 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.22

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 25 JAN 2002 Contract Day: 85 Contract Duration: 248

Days Remaining: 163

Weather

Temperature: (AM) 69° (PM) 80° Rain: - Duration of rain: -

Description of weather: FOGGY AM, PARTLY CLOUDY

List of Equipment on site: (A) for active (I) for idle

VOLVO EXCAVATOR (A)	CAT D7 DOZER (A)	WATER TRUCK (A)
KOBELCO EXCAVATOR (A)	CAT D400 DUMPS (3) (A)	BOOM (A)
CAT 322 EXCAVATOR (A)	(2) SMOOTH DRUM ROLLER (A)	(2) 6" PUMP (A)
CAT D6 DOZER (2) (A)	SHEEPSFOOT ROLLER (A)	3 EXCAVATORS @ BORROW PIT (A)

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		

Description of Construction Activity

HANDEX CONTINUED BACKFILLING ALONG EASTERN LIMITS OF EXCAVATION AND TO THE WEST OF THE ACCESS RAMP. BACKFILL WAS PLACED IN 12"-IN COMPACTED LIFTS. ALL HARDPAN WAS BROKEN UP BY DOZERS AND ROLLERS. THREE (3) AREAS TO THE WEST OF RAMP WERE OVEREXCAVATED AND BACKFILLED DUE TO SOIL PUMPING CONDITIONS.

DCW CONTINUED MAINTENANCE OF STOCKPILES AND EXCAVATION OF SOUTHWEST CORNER. DCW OFFSITE AT 3:30 pm.

List of Subcontractors

DCW CIVIL CONSTR. TRANS-PHOS

MEGA FORCE TRUCKING BURCAW GEOTECHNICAL

List of Materials Delivered

-

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT		
FILL		

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.02

Owner: HILLSBOROUGH COUNTY Contractor: HARDEN

Date: 26 JAN 2002 Contract Day: 86 Contract Duration: 248

Days Remaining: 162

Weather

Temperature: (AM) 68° (PM) 81° Rain: - Duration of rain: -

Description of weather:

List of Equipment on site: (A) for active (I) for idle

KOBELCO EXCAVATOR (A)	D7 DOZER (A)	SHEEPSFOOT ROLLER (A)
VOLVO EXCAVATOR (A)	CAT 730 DUMP (A)	WATER TRUCK (A)
CAT 325 EXCAVATOR (A)	VOLVO DUMP (I)	STREET BROOM (A)
(3) D6 DOZER (A)	(2) SMOOTH DRUM ROLLER (A)	(3) EXCAVATORS @ BORROW PIT (A)

Personnel on site:

1	10	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

HARDEN CONTINUED TO HAUL FILL MATERIAL FROM SHELLY LAKES MINE. BACKFILL WAS PLACED AND COMPACTED IN 1 FOOT LIFTS. BACKFILL PROGRESSED IN NE CORNER AND TO THE WEST OF THE TEMPORARY ACCESS RAMP.

DCW - DID NOT EXCAVATE FROM CELL, WORKED STOCKPILE ALL DAY.

BURGAN PERFORMED 4 IN-PLACE DENSITIES AT LOCATIONS SELECTED BY SCS. ALL TESTS PASSED WITH RESULTS 97% TO 100% COMPACTION.

List of Subcontractors

DCW CIVIL CONSTRUC. TRANS-PAGS TRUCKING

MEGAFORCE TRUCKING BURGAN GEOTECHNICAL

List of Materials Delivered

- - -

- - -

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	0 cy	
FILL	7882 cy	115,715 cy

Field Representative [signature] Date 26 JAN 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 01002320.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 27 JAN 2002 Contract Day: 87 Contract Duration: 248

Days Remaining: 161

Weather

Temperature: (AM) 68° (PM) 81° Rain: - Duration of rain: -

Description of weather: PARTLY CLOUDY

List of Equipment on site: (A) for active (I) for idle

KOBELCO EXCAVATOR (I)	D7 DOZER (I)	SHEEPSFOOT ROLLER (I)
VOLVO EXCAVATOR (I)	(2) CAT 730 DUMP (I)	WATER TRUCK (I)
CAT 322 EXCAVATOR (I)	VOLVO DUMP (I)	STREET SWEEPER (I)
(3) D6 DOZER (I)	(2) SMOOTH DRUM ROLLER (I)	(2) EXCAVATORS @ PIT (I)

Personnel on site:

1	3	-
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

PENINSULA SURVEY AREAS OF THAT HAVE BEEN BACKFILLED. SURVEY INFORMATION TO BE USED TO DETERMINE BACKFILL VOLUMES

HANDEX - INACTIVE

DCWW - INACTIVE

List of Subcontractors

PENINSULA SURVEYING

List of Materials Delivered

-

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	-	
FILL	-	115,715 cy

Field Representative _____ Date 27 JAN 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.82

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 28 JAN 2002 Contract Day: 88 Contract Duration: 248

Days Remaining: 160

Weather

Temperature: (AM) 68° (PM) 80 Rain: - Duration of rain: -

Description of weather: FOGGY AM, MOSTLY CLEAR

List of Equipment on site: (A) for active (I) for idle

KOBELCO EXCAVATOR (A)	D7 DOZER (A)	SHEEPSFOOT ROLLER (A)
VOLVO EXCAVATOR (A)	(2) CAT D400 DUMP (A)	WATER TRUCK (A)
CAT 322 EXCAVATOR (A)	VOLVO DUMP (A)	STINGER BOOM (A)
(3) D6 DOZERS (A)	(2) SMOOTH DRUM ROLLER (A)	(3) EXCAVATORS @ BORROW PIT (A)

Personnel on site:

1	10	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

HANDEX CONTINUED HAULING FILL MATERIAL AND PLACING IN 1 FOOT COMPACTED LIFTS. FILL WAS PLACED TO THE WEST OF ACCESS RAMP, ALONG THE EAST CELL DIKE, AND IN THE NORTHEAST CORNER. THE FILL IN THE NORTHEAST CORNER WAS PLACED ON THE CELL BOTTOM. NO CLAY MATERIAL WAS OBSERVED ON THE CELL BOTTOM DURING THE PLACEMENT OF THE INITIAL LIFT.

DCW CONTINUED EXCAVATING IN THE SOUTHWEST CORNER, ALSO PERFORMED MAINTENANCE ON THE STOCKPILE AREA. ALL SILT FENCE AROUND STOCKPILE WAS IN CORRECT POSITION.

BURGEAN WAS ONSITE TO MONITOR FILLING OPERATIONS AND CONDUCT FIELD DENSITY TESTS. PERFORMED 3 DENSITY TESTS ALL BETWEEN 98% AND 100% COMPACTION. MOISTURE CONTENTS ALL 1-2% OF OPTIMUM. DENSITIES WERE PERFORMED IN THE NE CORNER AND TO THE WEST OF THE TEMPORARY ACCESS RAMP.

List of Subcontractors

DCW CIVIL CONSTRUCT. TRANS-TECH TRUCKING
MEGA FORCE TRUCKING BURGEAN GEOTECHNICAL

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	CY	
FILL	CY	

Field Representative _____ Date 28 JAN 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09220020.37

Owner: Hillsborough County Contractor: Hanoex

Date: 29 Jan 2002 Contract Day: 89 Contract Duration: 248

Days Remaining: 159

Weather

Temperature: (AM) 66° (PM) 81° Rain: — Duration of rain: —

Description of weather: Mostly Sunny

List of Equipment on site: (A) for active (I) for idle

Kobelco Excavator (A)	D7 Dozer (A)	Sheepsfoot Roller (A)
Volvo Excavator (A)	(2) Cat Dirt Pump (A)	Water Truck (A)
CAT 322 Excavator (A)	Volvo Dump (I)	Street Broom (A)
(3) CAT D6 Dozer (A)	(2) Smooth Drum Roller (A)	(3) Excavators @ Pit (A)

Personnel on site:

1	10	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hanoex continued to haul and place backfill from Shelley Lakes mine. Fill was placed in 1 foot lifts and compacted. Continued to expand initial lift across bottom of cell proceeding from NE corner. Observed the removal of all clay and unsuitable material before placement of initial lift.

DCW - Continued grass excavation in SW corner.

Burgan - Continued to observe fill placement and removal of unsuitable soils. Performed 3 density tests. Two to the west of access ramp and one in initial lift in NE corner. All tests exceeded 95% compaction. Field testing log and drawing updated.

List of Subcontractors

DCW Civil Const. Trans-Phos Trucking

Mega Force Trucking Burgan Geotechnical

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut		
Fill		

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 1 Feb 2002 **Contract Day:** 92 **Contract Duration:** 248
Days Remaining: 156
Weather
Temperature: (AM) 60 **(PM)** 83 **Rain:** - **Duration of rain:** -
Description of weather: Foggy AM, Mostly sunny
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	CAT D400 Dump (I)
Kobelco Excavator (A)	Sheepsfoot Roller (A)	Water Truck (A)
D7 Dozer (A)	Cat 322 Excavator (A)	Street Broom (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	(3) Excavators @ Pit (A)

Personnel on site:

1	8	6
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Contractor continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts. The fill area was extended to the south and west along the northern wall of the cell. Unsuitable material was pushed ahead of the fill. Removal of the material was observed by both SCS and Burcaw

DCW- Continued to excavate southwest corner. Graded bottom of northwest corner. Removed layer of unsuitables from surface.

Burcaw- On site to observe filling operations and conduct field density tests. Performed 9 density tests. All tests were between 95% and 98% compaction. Moisture content of soils Was +3% of optimum.

Inventoried and logged 1 truck load of geocomposite. Dug several test pits in areas of concern where drainage ditches were. Test pits showed no sign of unsuitable soils.

List of Subcontractors

DCW Civil Construction	Tran- Phos Trucking	Peninsula Surveying
Mega Force Trucking	Burcaw Geotechnical	

List of Materials Delivered

Fill	618 Loads	13,839 loads
Geocomposite	53,679 sf	1,299,534 sf

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	2100 cy	192,439 cy
Fill	8,652 cy	193,746 cy

Field Representative _____ **Date** 1 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 2 Feb 2002 **Contract Day:** 93 **Contract Duration:** 248
Days Remaining: 155
Weather
Temperature: (AM) 60 **(PM)** 78 **Rain:** - **Duration of rain:** -
Description of weather: Foggy AM, Partly cloudy
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	CAT D400 Dump (I)
Kobelco Excavator (A)	Sheepsfoot Roller (A)	Water Truck (A)
D7 Dozer (A)	Cat 322 Excavator (A)	Street Broom (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	(3) Excavators @ Pit (A)

Personnel on site:

1	6	5
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Contractor continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts. The fill area was extended to the south and west along the northern wall of the cell. Unsuitable material was pushed ahead of the fill. Removal of the material was observed by both SCS and Burcaw

DCW- Continued to excavate southwest corner. Graded and maintained stockpile area. Removed unsuitable soil from east cell wall toe of slope.

Burcaw- On site to observe filling operations and conduct field density tests. Performed 4 density tests. All tests were between 95% and 98% compaction. Moisture content of soils was ±3% of optimum. Inspected the bottom of cell for unsuitable materials before the placement of the first lift.

List of Subcontractors

DCW Civil Construction	Tran- Phos Trucking	
Mega Force Trucking	Burcaw Geotechnical	

List of Materials Delivered

Fill	353 Loads	14,192 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	2100 cy	194539cy
Fill	4,942 cy	198,688 cy

Field Representative _____ **Date** 2 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 3 Feb 2002 **Contract Day:** 94 **Contract Duration:** 248
Days Remaining: 154
Weather
Temperature: (AM) _____ **(PM)** ____ **Rain:** - **Duration of rain:** -
Description of weather: Foggy AM, Partly cloudy
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (I)	(2) Smooth Drum Roller (I)	CAT D400 Dump (I)
Kobelco Excavator (I)	Sheepsfoot Roller (I)	Water Truck (I)
D7 Dozer (I)	Cat 322 Excavator (I)	Street Broom (I)
(3) D6 Dozer (I)	(2) CAT D400 Dumps (I)	(3) Excavators @ Pit (I)

Personnel on site:

0	0	0
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	0 cy	194,539 cy
Fill	0 cy	198,688 cy

Field Representative _____ **Date** 3/6/2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 4 Feb 2002 **Contract Day:** 95 **Contract Duration:** 248
Days Remaining: 153
Weather
Temperature: (AM) 58 **(PM)** 70 **Rain:** - **Duration of rain:** -
Description of weather: Mostly sunny, windy
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	Water Truck (A)
Kobelco Excavator (A)	Sheepsfoot Roller (A)	Street Broom (A)
D7 Dozer (A)	Cat 322 Excavator (A)	(3) Excavators @ Pit (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	

Personnel on site:

1	6	6
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Contractor continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts along the north wall and in the middle area of the cell. Handex began utilizing Hurley Trucking for hauling fill.

DCW- Continued to excavate southwest corner. Demobilized inactive CAT D400 dump truck. Removed unsuitable soil from east cell wall toe of slope.

Burcaw- On site to observe filling operations and conduct field density tests. Performed 14 density tests. All tests were between 95% and 100% compaction. Moisture content of soils was +3% of optimum. Several test locations were dictated by SCS. Pulled two bulk soil samples for lab testing.

List of Subcontractors

DCW Civil Construction	Tran- Phos Trucking	Hurley Trucking
Mega Force Trucking	Burcaw Geotechnical	

List of Materials Delivered

Fill	loads 151	loads 14,941

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	630 cy	cy 195,169
Fill	cy 10,514	cy 209,202

Field Representative _____ **Date** 4 FEB 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 5 Feb 2002 **Contract Day:** 96 **Contract Duration:** 248
Days Remaining: 152
Weather
Temperature: (AM) 50 **(PM)** 70 **Rain:** - **Duration of rain:** -
Description of weather: Mostly sunny, windy
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	Water Truck (A)
Kobelco Excavator (A)	Sheepsfoot Roller (A)	Street Broom (A)
D7 Dozer (A)	Cat 322 Excavator (A)	(3) Excavators @ Pit (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	

Personnel on site:

1	6	6
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Contractor continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts along the north wall, northeast corner and in the middle area of the cell.

DCW- Continued to excavate southwest corner. Performed maintenance in stockpile area.

Burcaw- On site to observe filling operations and conduct field density tests. Performed 13 density tests. All tests were between 95% and 100% compaction. Moisture content of soils was ±3% of optimum. SCS dictated several test locations.

List of Subcontractors

DCW Civil Construction	Tran- Phos Trucking	Hurley Trucking
Mega Force Trucking	Burcaw Geotechnical	

List of Materials Delivered

Fill	loads 695	loads 15,186

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	3087cy	cy 198,256
Fill	cy 9730	cy 218,932

Field Representative _____ **Date** 6 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09210010.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 6 FEB 2002 Contract Day: 97 Contract Duration: 248

Days Remaining: 151

Weather

Temperature: (AM) 53° (PM) 75° Rain: - Duration of rain: -

Description of weather: CLEAR & BREEZY

List of Equipment on site: (A) for active (I) for idle

KOBELCO EXCAVATOR (A)	D7 DOZER (A)	SHEEPSFOOT ROLLER (A)
VOLVO EXCAVATOR (A)	(2) D6 DOZER (A)	WATER TRUCK (A)
CAT 322 EXCAVATOR (A)	(1) D5 DOZER (I)	STREET BROOM (A)
(2) CAT D400 DUMP (A)	(2) SCRAPER PAN ROLLER (A)	

Personnel on site:

1	6	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

HAULED BACKFILL FROM SPRING LAKE MINE. PLACED FILL IN 1 FOOT COMPACTED LIFTS. HAUL ROAD WAS BROKEN UP WITH DOZER & ROLLER. FILL WAS PLACED ALONG NORTH WALL AND APPROXIMATE MIDDLE.

DCW CONTINUED TO EXCAVATE IN SOUTHWEST CORNER. EXCAVATED MATERIAL WAS DUMPED IN OUTSIDE STOCKPILE TO THE NORTH OF THE EXCAVATION.

PENINSULA SURVEY AS ONSITE LOCATED ~~TOP~~ BOTTOM OF EXCAVATION AT 2 POINTS ALONG NORTH WALL. EXCAVATION WAS USED TO DIG TRENCH FILL TO REACH NATURAL SUBGRADE.

BARGE PERFORMED 10 IN PLACE DENSITIES WITH TROXLER NUCLEAR DENSITY GAUGE. ALL TESTS WERE BETWEEN 95% AND 100% COMPACTION. ALL TESTS WERE LOGGED IN PROJECT TEST LOG BOOK. PERFORMED OBSERVATION OF FILL PLACEMENT.

List of Subcontractors

DCW CIVIL CONSTRUCTION	TRANS-PRO TRUCKING	PENINSULA SURVEYING
MEGA-FORCE TRUCKING	HURLEY TRUCKING	

List of Materials Delivered

FILL	715 LOADS	1607 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	CY	CY
FILL	10,010 CY	229,698 CY

Field Representative _____ Date 6 FEB 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.22

Owner: Hillsborough County Contractor: Handex

Date: 7 Feb 2002 Contract Day: 98 Contract Duration: 248

Days Remaining: 150

Weather

Temperature: (AM) 65° (PM) 75° Rain: 0.7" Duration of rain: 4 hours

Description of weather: Cloudy, scattered rain AM, windy, rain PM

List of Equipment on site: (A) for active (I) for idle

Kobelco Excavator (A)	(2) D6 Dozer (A)	Sheepsfoot Roller (A)
Volvo Excavator (A)	D5 Dozer (A)	Street Broom (A)
Cat 322 Excavator (A)	(2) D-100 Dump (A)	Water Truck (I)
D7 Dozer (A)	(2) Smooth Drum Rollers (A)	D250 Dump (A)

Personnel on site: 3 Excavators @ Borrow Pit

1	6	6
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued hauling of fill material in morning. Fill placed in 1-foot compacted lifts. Labor picked roots and stumps from fill material where necessary.

DCW continued excavation in SW corner.

Borrow was onsite to provide monitoring of filling operations and density testing.

Filling and excavating was suspended due to deteriorating site conditions. Attempted to continue but rain made it difficult.

List of Subcontractors

DCW Civil Construction	Trans-Phos Trucking	Burcan Geotechnical
Mega Force Trucking	Hurley Trucking	

List of Materials Delivered

Fill	205 loads	16,612 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	2,394 cy	
Fill	2,870 cy	232,568

Field Representative [signature] Date 7 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hondex

Date: 8 Feb 2002 **Contract Day:** 99 **Contract Duration:** 248

Days Remaining: 149

Weather

Temperature: (AM) 45° **(PM)** 69 **Rain:** - **Duration of rain:** -

Description of weather: Mostly cloudy, windy, cold

List of Equipment on site: (A) for active (I) for idle

Kobelco Excavator (A)	(3) D6 Dozer (A)	Street Broom (A)
Volvo Excavator (A)	(2) D400 Dump (A)	Water Truck (I)
CAT 322 Excavator (A)	(2) Smooth Drum Roller (A)	(3) Excavators @ Pit (I)
D7 Dozer (A)	(1) Sheepfoot Roller (A)	

Personnel on site:

1	6	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Did not haul fill material today due to site and borrow pit conditions. Rolled entire fill area, began grading bottom of cell along west wall and northwest corner. Dug ditches in cell bottom to control groundwater.

DCW continued to excavate in southwest corner, also pounded on stockpile to create more space to dump excavated material.

Burcan arrived onsite to perform density testing and observation. Was sent home because no filling was occurring.

Observed grading off cell bottom to determine if all unsuitable soils were being removed.

List of Subcontractors

DCW Civil Construc. Burcan Geotech.

List of Materials Delivered

Mat Fill	¢ Loads	16,621 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	1160 yds	
Fill	¢ LY	232,694 cy

Field Representative _____ **Date** _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 0720020.32

Owner: Hillsborough County Contractor: Hanover

Date: 9 Feb 2002 Contract Day: 100 Contract Duration: 248

Days Remaining: 148

Weather

Temperature: (AM) 55° (PM) 75° Rain: – Duration of rain: —

Description of weather: Mostly Cloudy

List of Equipment on site: (A) for active (I) for idle

Kobelco Excavator (A)	(3) D6 Dozer (A)	Water Truck (A)
Volvo Excavator (A)	(3) D400 Dump (I)	Street Bacon (A)
CAT 322 Excavator (A)	(2) Smooth Drum Roller (A)	(3) Excavators @ Pit (A)
D7 Dozer (A)	Sheepsfoot Roller (A)	

Personnel on site:

1	8	[illegible]
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Resumed hauling fill material from Shelley Lakes Mine. Material was placed in 12" compacted lifts. Compacted with vibratory smooth drum and sheepsfoot rollers. Hanover performed maintenance excavation along dewatering ditches.

TCW performed limited excavation along western cell wall. Material was lifted from toe of slope and placed along edge of excavation. Some material was moved to the stockpile.

Burcon was onsite to monitor and test backfill. Performed 10 density tests at elevations 125, 126, 127, and 128 using troxler nuke gauge. All tests exceeded 95% compaction requirements.

List of Subcontractors

DCW Civil Construc.	Mega-Force Trucking	Hurley Trucking
Burcon Geotech.	Trans-Pros Trucking	

List of Materials Delivered

Fill	591 LDS	17,245 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	588 cy	
Fill	8274 cy	241,360 cy

Field Representative [signature] Date

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 10 Feb 2002 Contract Day: 101 Contract Duration: 248

Days Remaining: 147

Weather

Temperature: (AM) 65 (PM) 75 Rain: 0.7" Duration of rain: overnite

Description of weather: mostly cloudy

List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (I)	2 D6 Dozer (A)	Sheepsfoot Roller (I)
Kobelco Excavator (I)	D6 Dozer (I)	Water Truck (I)
Cat 322 Excavator (I)	(2) D400 Dump (I)	Street Broom (I)
D7 Dozer (I)	(2) Smooth Drum Roller (I)	(5) Excavators @ Pit (I)

Personnel on site:

1	2	0
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hardee was onsite to erode bottom of cell along western wall. Material was pushed to toe of western slope.

All unsuitable soils were removed from bottom.

List of Subcontractors

-		

List of Materials Delivered

Fill	0 loads	~~1784~~ 1662 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	0 cy	
Fill	0 cy	241,360 cy

Field Representative [signature] Date 10 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section Capacity Expansion Project number: 09210020.32

Owner: Hillsborough County Contractor: Hanson

Date: 11FEB2002 Contract Day: 102 Contract Duration: 248

Days Remaining: 146

Weather

Temperature: (AM) 60° (PM) 73° Rain: ____ Duration of rain: ____

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(3) D6 Dozer (A)	Sheepsfoot Roller (A)
Kobelco Excavator (A)	(2) DHOU Dump (A)	Water Truck (A)
Cat 322 Excavator (I)	DHOU Dump (I)	Static Roller (A)
D7 Dozer (A)	(2) Smooth Drum Roller (A)	(3) Excavator @ PIT (A)

Personnel on site:

1	87	6
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Resumed hauling of fill material from Shelley Cells. Material placed and compacted in 12-inch lifts. Spotters removed any stump, roots, debris, etc from fill material. All large chunks of hardpan were broken up by dozers and rollers.

DCW continued to excavate in Southwest corner of site. Excavated material was removed to the stockpile. Performed maintance on stockpile.

Burgan Geotechnical was onsite for CQA. Observed the placement of fill to ensure compliance with Project Specifications. Performed 12 in-place density test on completed fill. Tests were performed at elevations between 126 and 129. Test results were between 95 and 100% compaction.

Hanson repaired silt fence around stockpile. Continued to cover stored liner materials.

List of Subcontractors

DCW Civil Const.	Trans-Pine Trucking	Burgan Geotechnical
Megaforce Trucking	Hurley Trucking	

List of Materials Delivered

Fill	651 loads	1809 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut		
Fill	9114 cy	253,344

Field Representative ____ Date ____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 12 Feb 2002 **Contract Day:** 103 **Contract Duration:** 248
Days Remaining: 145
Weather
Temperature: (AM) 50 **(PM)** 72 **Rain:** - **Duration of rain:** -
Description of weather: Mostly cloudy
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	Water Truck (A)
Kobelco Excavator (A)	Sheepsfoot Roller (A)	Street Broom (A)
D7 Dozer (A)	Cat 322 Excavator (A)	(3) Excavators @ Pit (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	Volvo Excavator (I)

Personnel on site:

1	6	8
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Handex continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts along the north wall, northeast corner and in the middle area of the cell. Repaired several areas of silt fence around stockpile.

DCW- Continued to excavate southwest corner, removed excavated material from top of excavation along west wall. Mobilized and additional excavator.

Burcaw- On site to observe filling operations and conduct field density tests. Performed 11 density tests. All tests were between 96% and 99% compaction. Moisture content of soils was +3% of optimum. The tests were conducted at elevations 128, 129, and 130.

Peninsula surveyed the cell bottom and sideslopes from the northwest corner down along the west wall of the cell.

List of Subcontractors

DCW Civil Construction	Tran-Phos Trucking	Hurley Trucking
Mega Force Trucking	Burcaw Geotechnical	Peninsula Surveying

List of Materials Delivered

Fill	697 loads	18,793 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	cy	cy
Fill	9,758 cy	263,102 cy

Field Representative _____ **Date** 12 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 13 Feb 2002 **Contract Day:** 104 **Contract Duration:** 248
Days Remaining: 144
Weather
Temperature: (AM) 52 **(PM)** 68 **Rain:** 0.2" **Duration of rain:** OVERNIGHT
Description of weather: Overcast and breezy
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	Water Truck (A)
Kobelco Excavator (A)	Sheepsfoot Roller (A)	Street Broom (A)
D7 Dozer (A)	Cat 322 Excavator (A)	(3) Excavators @ Pit (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	Volvo Excavator (A)

Personnel on site:

1	6	8
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Handex continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts along the north wall, northeast corner and eastern wall of the cell. Replaced several sections of stockpile silt fencing.

DCW- Continued to excavate southwest corner, removed unsuitable material from side slopes on south wall from temporary access ramp to southwest corner. Began grading sideslopes of west cell wall.

Burcaw- On site to observe filling operations and conduct field density tests. Performed 8 density tests. All tests were between 96% and 99% compaction. Moisture content of soils was ±3% of optimum. The tests were conducted between elevations 127 and 131.

Ardaman was onsite to perform QA testing of backfill material. Performed six in-place density tests using nuclear gauge, removed two samples for laboratory testing. Results of tests will known when lab testing is complete

List of Subcontractors

DCW Civil Construction	Tran-Phos Trucking	Hurley Trucking
Mega Force Trucking	Burcaw Geotechnical	Ardaman & Associates

List of Materials Delivered

Fill	748 loads	19,541 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	cy	cy
Fill	10,472 cy	273,574 cy

Field Representative _____ **Date** 13 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Ardaman & Associates, Inc.

Geotechnical, Environmental and
Materials Consultants

3925 Coconut Palm Drive, Suite 115
Tampa, Florida 33619
(813) 620-3389

DAILY FIELD REPORTS

Project: S.E. Landfill (Sec 1 expansion) File No.: 02-9409 Time Arrived: 10:00

Location: Hillsborough Date: 2/13/02 Time Departed: 11:00

Client: SCS Weather: _____ Standby Time: _____

Reported to site as requested by the client to conduct in-place density testing. A total of six tests were taken using nuclear method in fill material at section 1 expansion. The test results are pending the proctor

client unavailable

Travel Time: 2.0 Client's Rep.: _____

Mileage: 61 Ardaman & Associates: [signature]

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 14 Feb 2002 **Contract Day:** 105 **Contract Duration:** 248
Days Remaining: 143
Weather
Temperature: (AM) 52 **(PM)** 68 **Rain:** - **Duration of rain:** -
Description of weather: Overcast
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	Water Truck (A)
Volvo Excavator (A)	Sheepsfoot Roller (A)	Street Broom (A)
D7 Dozer (A)	Cat 322 Excavator (A)	(3) Excavators @ Pit (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	

Personnel on site:

1	6	8
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Handex continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts along the north wall, northeast corner and eastern wall of the cell, began constructing contours of cell bottom.

DCW- Continued to excavate southwest corner, removed unsuitable material from side slopes on south wall from temporary access ramp to southwest corner. Continued grading sideslopes of west cell wall.

Burcaw- On site to observe filling operations and conduct field density tests. Performed 9 density tests. All tests were between 97% and 98% compaction. Moisture content of soils was ±3% of optimum. The tests were conducted between elevations 127 and 131.

List of Subcontractors

DCW Civil Construction	Tran-Phos Trucking	Hurley Trucking
Mega Force Trucking	Burcaw Geotechnical	

List of Materials Delivered

Fill	655 loads	20,196 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	cy	cy
Fill	9,170 cy	282,744 cy

Field Representative _____ **Date** 14 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 15 Feb 2002 **Contract Day:** 106 **Contract Duration:** 248
Days Remaining: 142
Weather
Temperature: (AM) 48 **(PM)** 68 **Rain:** - **Duration of rain:** -
Description of weather: Overcast
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	Water Truck (A)
Volvo Excavator (A)	Sheepsfoot Roller (A)	Street Broom (A)
D7 Dozer (A)	Cat 322 Excavator (A)	(3) Excavators @ Pit (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	

Personnel on site:

1	6	8
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Handex continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts along the north wall, northeast corner and eastern wall of the cell, began constructing contours of cell bottom.

DCW- Continued to excavate southwest corner, removed unsuitable material from side slopes on south wall from temporary access ramp to southwest corner. Continued grading sideslopes of west cell wall.

Burcaw- On site to observe filling operations and conduct field density tests. Performed 4 density tests. All tests were between 97% and 99% compaction. Moisture content of soils was ±3% of optimum. The tests were conducted at elevations 131 and 132.

List of Subcontractors

DCW Civil Construction	Tran-Phos Trucking	Hurley Trucking
Mega Force Trucking	Burcaw Geotechnical	

List of Materials Delivered

Fill	639 loads	20,835 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	cy	cy
Fill	8,946 cy	291,690 cy

Field Representative _____ **Date** 15 FEB 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 16 Feb 2002 **Contract Day:** 107 **Contract Duration:** 248
Days Remaining: 141
Weather
Temperature: (AM) 57 **(PM)** 68 **Rain:** - **Duration of rain:** -
Description of weather: Overcast
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	Water Truck (A)
Volvo Excavator (A)	Sheepsfoot Roller (A)	Street Broom (A)
D7 Dozer (A)	Cat 322 Excavator (A)	(3) Excavators @ Pit (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	

Personnel on site:

1	6	8
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Handex continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts along the north wall, northeast corner and eastern wall of the cell, began constructing contours of cell bottom and along east portion of cell. Began placing fill on excavated cell bottom in NW corner.

DCW- Continued to excavate southwest corner, removed unsuitable material from side slopes on south wall from temporary access ramp to southwest corner. Performed maintenance on stockpile.

Burcaw- On site to observe filling operations and conduct in place density tests. Did not perform any testing today. Checked testing log to be sure it was correct and up to date.

Observed the placement of first lift of fill in NW corner. All unsuitable soils were removed from cell bottom.

List of Subcontractors

DCW Civil Construction	Tran-Phos Trucking	Hurley Trucking
Mega Force Trucking	Burcaw Geotechnical	

List of Materials Delivered

Fill	456 loads	21,291 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	cy	cy
Fill	6,384 cy	298,074 cy

Field Representative _____ **Date** 16FEB2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 17 Feb 2002 **Contract Day:** 108 **Contract Duration:** 248
Days Remaining: 140
Weather
Temperature: (AM) - **(PM)** - **Rain:** - **Duration of rain:** -
Description of weather:
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (I)	(2) Smooth Drum Roller (I)	Water Truck (I)
Volvo Excavator (I)	Sheepsfoot Roller (I)	Street Broom (I)
D7 Dozer (I)	Cat 322 Excavator (I)	(3) Excavators @ Pit (I)
(3) D6 Dozer (I)	(2) CAT D400 Dumps (I)	

Personnel on site:

0	0	0
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

No Activity

List of Subcontractors

List of Materials Delivered

Fill	0 loads	21,291 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	0 cy	cy
Fill	0 cy	298,074 cy

Field Representative _____ **Date** 17 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 18 Feb 2002 **Contract Day:** 109 **Contract Duration:** 248
Days Remaining: 139
Weather
Temperature: (AM) 40 **(PM)** 70 **Rain:** - **Duration of rain:** -
Description of weather: Overcast
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	Water Truck (A)
Volvo Excavator (A)	Sheepsfoot Roller (A)	Street Broom (A)
D7 Dozer (A)	Cat 322 Excavator (A)	(3) Excavators @ Pit (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	

Personnel on site:

1	6	8
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Handex continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts along the north wall and the northwest corner. The fill area was expanded to The south along the west cell wall.

DCW- Continued to excavate southwest corner and perform maintenance on the stockpile

Burcaw- On site to observe filling operations and conduct field density tests. Performed 8 density tests. All tests were between 96% and 99% compaction. Moisture content of soils was ±3% of optimum. The tests were conducted between elevations 127 and 131.

Monitored the placement of fill on excavated bottom. All unsuitable soils were removed. Fuel spilled from dump truck along entrance road (approx 10 gallons)

List of Subcontractors

DCW Civil Construction	Tran-Phos Trucking	Hurley Trucking
Mega Force Trucking	Burcaw Geotechnical	

List of Materials Delivered

Fill	818 loads	22,109 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	cy	cy
Fill	11,452 cy	309,526 cy

Field Representative _____ **Date** 18 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 21 Feb 2002 **Contract Day:** 112 **Contract Duration:** 248
Days Remaining: 136
Weather
Temperature: (AM) 64 **(PM)** 80 **Rain:** - **Duration of rain:** -
Description of weather: Partly cloudy
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	Water Truck (A)
Volvo Excavator (A)	Sheepsfoot Roller (A)	Street Broom (A)
D7 Dozer (A)	Cat 322 Excavator (A)	(3) Excavators @ Pit (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	

Personnel on site:

1	6	8
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Handex continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts along the west wall. Expanded the fill area along the west wall to the south by pushing any unsuitable soils in front of the dozer and then backfilling.

DCW- Removed unsuitable material from side slopes and cell bottom. Graded bottom of excavation.

Burcaw- On site to observe filling operations and conduct field density tests. Performed 16 density tests using the dry sleeve method. All tests were between 9% and 100% compaction. The tests were conducted between elevations 119 and 124.

Handex excavated soil from fuel spill area. Technician from Handex Environmental was onsite to retrieve soil samples for testing and to determine when all contaminated soil was removed. All excavated soil was sealed in plastic until it can be removed.

List of Subcontractors

DCW Civil Construction	Tran-Phos Trucking	Hurley Trucking
Mega Force Trucking	Burcaw Geotechnical	

List of Materials Delivered

Fill	688 loads	24,077 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	cy	cy
Fill	9,632 cy	337,078 cy

Field Representative _____ **Date** 21 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 22 Feb 2002 **Contract Day:** 113 **Contract Duration:** 248
Days Remaining: 135
Weather
Temperature: (AM) 70 **(PM)** 80 **Rain:** 1" **Duration of rain:** 12 hrs
Description of weather: Cloudy with rain showers

List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (A)	(2) Smooth Drum Roller (A)	Water Truck (A)
Volvo Excavator (A)	Sheepsfoot Roller (A)	Street Broom (A)
D7 Dozer (A)	Cat 322 Excavator (A)	(3) Excavators @ Pit (A)
(3) D6 Dozer (A)	(2) CAT D400 Dumps (A)	

Personnel on site:

1	7	8
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

Handex continued hauling fill material from Shelley Lakes Mine. Fill was placed in 1 foot compacted lifts along the west wall.

DCW- Removed unsuitable material from side slopes and cell bottom.

Burcaw- On site to observe filling operations and conduct field density tests. Performed 16 density tests using the dry sleeve method. All tests were between 9% and 100% compaction. The tests were conducted between elevations 119 and 124.

Filling and excavation were halted due to rain. Continued to work performing site maintenance ad clean –up. Removed piles of roots, graded bottom, repaired plastic covering stored liner.

Handex backfilled the the excavation in the fuel spill area with clean fill material from Shelly Lakes Mine.

List of Subcontractors

DCW Civil Construction	Tran-Phos Trucking	Hurley Trucking
Mega Force Trucking	Burcaw Geotechnical	

List of Materials Delivered

Fill	147 loads	24,224 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	cy	cy
Fill	2,058 cy	339,136 cy

Field Representative _____ **Date** 22FEB2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 23 Feb 2002 **Contract Day:** 114 **Contract Duration:** 248
Days Remaining: 134
Weather
Temperature: (AM) 60 **(PM)** 60 **Rain:** - **Duration of rain:** 24 hrs
Description of weather: Rain
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (I)	(2) Smooth Drum Roller (I)	Water Truck (I)
Volvo Excavator (I)	Sheepsfoot Roller (I)	Street Broom (I)
D7 Dozer (I)	Cat 322 Excavator (I)	(3) Excavators @ Pit (I)
(3) D6 Dozer (I)	(2) CAT D400 Dumps (I)	

Personnel on site:

0	0	0
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

No Activity

List of Subcontractors

List of Materials Delivered

Fill	0 loads	24,224 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	0 cy	cy
Fill	0 cy	339,136 cy

Field Representative [signature] **Date** 23 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 24 Feb 2002 **Contract Day:** 115 **Contract Duration:** 248
Days Remaining: 133
Weather
Temperature: (AM) 54 **(PM)** 60 **Rain:** - **Duration of rain:**
Description of weather: Clear
List of Equipment on site: (A) for active (I) for idle

Volvo Excavator (I)	(2) Smooth Drum Roller (I)	Water Truck (I)
Volvo Excavator (I)	Sheepsfoot Roller (I)	Street Broom (I)
D7 Dozer (I)	Cat 322 Excavator (I)	(3) Excavators @ Pit (I)
(3) D6 Dozer (I)	(2) CAT D400 Dumps (I)	

Personnel on site:

0	0	0
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity

No Activity

List of Subcontractors

List of Materials Delivered

Fill	0 loads	24,224 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	0 cy	cy
Fill	0 cy	39,136 cy

Field Representative Date 24 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANCOCK

Date: 25FEB2002 Contract Day: 116 Contract Duration: 248

Days Remaining: 132

Weather

Temperature: (AM) 60° (PM) 74° Rain: - Duration of rain: -

Description of weather: MOSTLY CLEAR

List of Equipment on site: (A) for active (I) for idle

KOBELCO EXCAVATOR (A)	(2) SMOOTH DRUM ROLLER (A)	WATER TRUCK (A)
VOLVO EXCAVATOR (A)	SHEEPSFOOT ROLLER (A)	STREET BROOM (A)
D7 DOZER (A)	CAT 322 EXCAVATOR (A)	(3) EXCAVATOR @ PIT (A)
(3) D6 DOZER (A)	(2) CAT D400 DUMPS (I)	

Personnel on site:

1	8	6
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CONTRACTOR RESUMED HAULING FILL FROM SHELLEY LAKES. MATERIAL DID NOT APPEAR TO HAVE EXCESSIVELY HIGH MOISTURE CONTENT. FILL WAS PLACED IN 12-INCH COMPACTED LIFTS IN ACCORDANCE WITH THE PROJECT DOCUMENTS. SITE WAS IN GOOD CONDITION AFTER RAIN. FILL WAS PLACED IN WESTERN SECTION OF CELL.

DCW - DEMOBILIZED VOLVO EXCAVATOR, MOBILIZED KOBELCO EXCAVATOR. CONTINUED TO GRADE STOCKPILE. EXCAVATED MATERIAL FROM CELL BOTTOM IN SW CORNER AND ALONG WEST WALL. MATERIAL WAS PLACED ON CELL WALL SIDESLOPES.

BURGEAN - ONSITE FOR TESTING AND FILL PLACEMENT MONITORING. PERFORMED 6 IN-PLACE DENSITY TESTS. TEST WERE BETWEEN 96 & 100% COMPACTION AND EXCEEDED THE 95% REQUIREMENT OF THE CONTRACT DOCUMENTS. MOISTURE CONTENT WAS ± 4% OF OPTIMUM.

List of Subcontractors

DCW CIVIL CONSTRUC.	TRANS-PACS TRUCKING	BURGEAN GEOTECHNICAL
MEGA FORCE TRUCKING	HURLEY TRUCKING	

List of Materials Delivered

FILL	608 LOADS	24,950 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	0 cy	
FILL	8,512 cy	349,300 cy

Field Representative _____ Date 25 FEB 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 26 FEB 2002 Contract Day: 117 Contract Duration: 248

Days Remaining: 131

Weather

Temperature: (AM) 64° (PM) 74° Rain: - Duration of rain: -

Description of weather: Mostly clear

List of Equipment on site: (A) for active (I) for idle

Kobelco Excavator (A)	(2) Smooth Drum Rollers (A)	Street Broom (A)
CAT 322 Excavator (A)	Sheepsfoot Roller (A)	(3) Excavators @ P.I.T
Komatsu Dozer (A)	(2) CAT D400 Dump (A)	
(3) D6 Dozer (A)	Water Truck (A)	

Personnel on site:

1	8	6
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hardex- Continued hauling fill from Shelley Lakes Mine. Fill was placed in western section of cell in 12-inch lifts compacted with 10-ton vibratory compactors. Existing fill was benched approx 10 feet when placing new fill up against it.

DCW- Demobilized Volvo excavator and CAT D7 dozer. Mobilized Komatsu dozer. Continued grading stockpile and area to the north of the cell. Removed material from cell bottom and placed on side slopes. Attempted to grade side slopes on south wall.

Burgan- Onsite for fill monitoring and testing. Performed 8 in-place density tests. Tests performed using drive-sleeve method at elevations between 120 and 126. Test results were between 96 and 100% compaction. These results meet the requirements of the contract documents.

List of Subcontractors

DCW Civil Construction	Trans Phos Trucking	Burgan Geotechnical
Mega Force Trucking	Hurley Trucking	

List of Materials Delivered

Fill	675 Loads	25,625 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Cut	0 cy	
Fill	9450 cy	358,764 cy

Field Representative _____ Date 26 Feb 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 27 FEB 2002 Contract Day: 118 Contract Duration: 248
Days Remaining: 130

Weather
Temperature: (AM) 52° (PM) 68° Rain: — Duration of rain: —
Description of weather: MOSTLY CLOUDY, WINDY

List of Equipment on site: (A) for active (I) for idle

KOBELCO EXCAVATOR (A)	(2) SMOOTH DRUM ROLLER (A)	SWEEP BROOM (A)
CAT 322 EXCAVATOR (A)	SHEEPSFOOT ROLLER (A)	(3) EXCAVATING & PLT (A)
KOMATSU DOZER (A)	CAT D400 DUMP (A)	
(3) D6 DOZER (A)	WATER TRUCK (A)	

Personnel on site:

1	6	8
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

HANDEX - CONTINUED TO HAUL FILL FROM SHELLEY LAKES MINE. FILL WAS PLACED IN 12-INCH COMPACTED LIFTS. COMPACTION WAS ACCOMPLISHED USING SMOOTH DRUM AND SHEEPSFOOT ROLLERS. NEW LIFTS WERE PLACED. FILLED AREAS WERE BENCHED 10 FEET WHEN PLACING NEW FILL TO ENSURE THROUGH COMPACTION.

JCW - DEMOBILIZED CAT D400 OFF-ROAD DUMP TRUCK. GRADED SIDESLOPES OF EXCAVATION STOCKPILE. REMOVED SEVERAL TRUCK LOADS OF MATERIAL FROM CELL BOTTOM. OFF-ROAD TRUCK WAS RUNNING ON FILLED AREAS OF CELL.

BURGEAN - ONSITE TO MONITOR FILL PROGRESS AND PERFORM QC TESTING. PERFORMED 13 IN-PLACE DENSITY TESTS BETWEEN ELEVATIONS 126 AND 134. USED DRIVE SLEEVE METHOD. TEST RESULTS WERE BETWEEN 96 AND 99% COMPACTION. THE TESTS MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

List of Subcontractors

JCW CIVIL CONSTRUCTION	TRANSPORT TRUCKING	BURGEAN GEOTECHNICAL
MEGA FORCE TRUCKING	HURLEY TRUCKING	

List of Materials Delivered

FILL	760 LOADS	26,385 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	0 cy	
FILL	10,640 cy	369,390 cy

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 05202320.32

Owner: HILLSBOROUGH COUNTY Contractor: HANLEX

Date: 28 FEB 2002 Contract Day: 119 Contract Duration: 248

Days Remaining: 129

Weather

Temperature: (AM) 50° (PM) 58° Rain: - Duration of rain: -

Description of weather: PARTLY CLOUDY

List of Equipment on site: (A) for active (I) for idle

KOBELCO EXCAVATOR (A)	(2) SMOOTH DRUM ROLLER (A)	STREET BROOM (A)
CAT 322 EXCAVATOR (A)	SHEEPSFOOT ROLLER (A)	(3) EXCAVATORS @ PIT (A)
KOMATSU DOZER (A)	CAT D400 DUMP (A)	
(3) D6 DOZER (A)	WATER TRUCK (A)	

Personnel on site:

1	6	8
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

HANLEX CONTINUED TO HAUL FILL FROM SHELDEN LAKES MINE. FILL WAS PLACED IN 12-INCH COMPACTED LIFTS. FILLING WAS OCCURING ALONG WEST WALL OF CELL. EXISTING FILL AREAS WERE REMOVED APPROX. 10 FEET WHEN A NEW LIFT WAS BEGUN

DCW - GRADED STOCKPILE SIDESLOPES AND TOP. REMOVED SEVERAL DUMP TRUCK LOADS OF UNSUITABLE SOILS FROM CELL BOTTOM.

BURCON - ONSITE TO PERFORM DENSITY TESTING AND MONITOR FILL ACTIVITIES. PERFORMED 8 IN-PLACE DENSITY TESTS USING THE DRIVE SLEEVE METHOD BETWEEN ELEVATIONS 124 & 129. ALL TESTS EXCEEDED THE REQUIREMENTS SET FORTH IN THE CONTRACT DOCUMENTS.

List of Subcontractors

DCW CIVIL CONSTRUCTION	TRANS-PROS TRUCKING	BURCON GEOTECHNICA
MEGA FORCE TRUCKING	HURLEY TRUCKING	

List of Materials Delivered

FILL	698 LOADS	27,083 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT		
FILL	9772 CY	379,162 CY

Field Representative [signature] Date 28 FEB 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 07J00020.32

Owner: HILLSBOROUGH COUNTY Contractor: HARDEE

Date: 1 MAR 2002 Contract Day: 120 Contract Duration: 248

Days Remaining: 128

Weather

Temperature: (AM) 63° (PM) 75° Rain: — Duration of rain: —

Description of weather: PARTLY CLOUDY, WINDY

List of Equipment on site: (A) for active (I) for idle

KOBELCO EXCAVATOR (A)	CAT D400 DUMP (I)	STREET BROOM (A)
CAT 322 EXCAVATOR (A)	SHEEPSFOOT ROLLER (A)	(3) EXCAVATORS @ PIT (A)
(3) D6 DOZER (A)	(2) SMOOTH DRUM ROLLER (A)	
KOMATSU DOZER (A)	WATER TRUCK (A)	

Personnel on site:

1	3	8
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

HARDEE PLACED FILL ALONG EAST WALL OF CELL ONE IN SW CORNER. FILL WAS IMPORTED FROM SHELDY CALEB MINE AND WAS PLACED IN 12-INCH COMPACTED LIFTS. SMOOTH-DRUM AND SHEEPSFOOT ROLLERS WERE USED TO COMPACT FILL.

LOCATED BURIED CMP UNDER SHELL ROAD. ALSO LOCATED CERCHOTT FORE MAIN WHERE IT CROSSES CMP. DETERMINED THAT THERE WAS SUFFICIENT CLEARANCE BETWEEN FORCE MAIN AND PROPOSED (2) 36" RCP.

DCW - GRADED SIDE SLOPES OF STOCKPILE.

BURLOW - MONITORED FILLING ACTIVITIES. PERFORMED IN-PLACE DENSITY TESTING OF COMPACTED FILL. PERFORMED 8 TESTS BETWEEN ELEVATIONS 119 AND 130. COMPACTION WAS BETWEEN 95 AND 98%. TESTS MEET OR EXCEED PROJECT CONTRACT DOCUMENTS.

List of Subcontractors

DCW CIVIL CONSTRUCTION	TRANSPRO TRUCKING	BURLOW GEOTECHNICAL
MEGA FORCE TRUCKING	HARLEY TRUCKING	FLANIGAN SURVEYING

List of Materials Delivered

FILL	636 LOADS	23719 ~~24083~~ LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
~~CUT~~ FILL	8904 CY	388,066 ~~379,162~~ CY
~~FILL~~ CUT	0 CY	CY

Field Representative _____ Date 1 MAR 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 2 Mar 2002 Contract Day: 121 Contract Duration: 248

Days Remaining: 127

Weather

Temperature: (AM) 60 (PM) 75° Rain: — Duration of rain: —

Description of weather: Partly Sunny, Windy

List of Equipment on site: (A) for active (I) for idle

Kobelco Excavator (A)	CAT D400 Dump (A)	Street Broom (A)
CAT 322 Excavator (A)	Sheepsfoot Roller (A)	(3) Excavators @ Pit (A)
Komatsu Dozer (A)	(2) Smooth Drum Rollers (A)	
(3) D6 Dozer (A)	Water Truck (A)	

Personnel on site:

1	6	8
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hardex continued to fill in southwest corner and along west and south cell walls. Fill was imported from Shelley Lakes Mine and placed in 12-inch compacted lifts. Compaction was accomplished using smooth-drum and sheepsfoot rollers.

DCW worked on grading stockpile

Burcan was onsite to conduct in-place density tests on fill and to monitor filling activities. Performed 3 tests using drive sleeve method. Tests were conducted at elevations 119 & 122. Results of tests were logged in field log and plotted on field drawing. All tests exceeded 95% compaction as specified in contract documents.

List of Subcontractors

DCW Civil Construction. Transpro Trucking Burcan Geotechnical

Mega Force Trucking Hurley Trucking

List of Materials Delivered

Fill	468 LOADS	28,187 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CIT	0 cy	cy
Fill	6552 cy	394,618 cy

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 3 MAR 2002 Contract Day: 122 Contract Duration: 248

Days Remaining: 126

Weather

Temperature: (AM) 60° (PM) 70° Rain: 0.4" Duration of rain: 12 HRS

Description of weather: MOSTLY CLOUDY AM, RAIN PM

List of Equipment on site: (A) for active (I) for idle

KOBELCO EXCAVATOR (I)	CAT D400 DUMP (I)	STREET BROOM (I)
CAT 322 EXCAVATOR (I)	SHEEPSFOOT ROLLER (I)	(3) EXCAVATORS @ PIT (I)
KOMATSU DOZER (I)	(2) SMOOTH DRUM ROLLER (I)	
(3) D6 DOZER (I)	WATER TANK (I)	

Personnel on site:

0	0	0
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

-

List of Materials Delivered

FILL	0 LOADS	28,187 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	0 CY	CY
CUT	0 CY	394,618 CY

Field Representative [signature] Date 3 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 4 MAR 2002 Contract Day: 123 Contract Duration: 248

Days Remaining: 125

Weather

Temperature: (AM) 54° (PM) 50° Rain: – Duration of rain: –

Description of weather: COOL, CLOUDY, AND WINDY

List of Equipment on site: (A) for active (I) for idle

KOBELCO EXCAVATOR (A)	CAT D400 DUMP (I)	STREET BROOM (A)
CAT 322 EXCAVATOR (A)	SHEEPSFOOT ROLLER (A)	(3) EXCAVATORS @ PIT (A)
KOMATSU DOZER (A)	(2) SMOOTH DRUM ROLLER (A)	
(3) D6 DOZER (A)	WATER TRUCK (A)	

Personnel on site:

1	6	8
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CONTINUED TO HAUL FILL FROM SHELLEY LAKES MINE. FILL WAS PLACED IN SOUTHWEST CORNER AND IN THE SE CORNER. FILL WAS PLACED IN MAXIMUM 12-INCH COMPACTED LIFTS. HANDEX CONSTRUCTED BOTTOM GRADE STARTING AT SOUTHEAST CORNER AND WORKING ALONG EAST CELL WALL. SURVEY CONTROL WAS MAINTAINED USING LASER GRADING EQUIPMENT. REMOVED SEVERAL TRUCKLOADS OF WET SAND FROM EXCAVATION IN SW CORNER.

PENINSULA SURVEY RESUMED STAKING OF LEACHATE COLLECTION TRENCHES & CONTOURS.

DCW - SPENT ALL DAY GRADING STOCKPILE. DEMOBILIZED CAT D400E DUMP TRUCK.

BURCAW WAS ONSITE TO PERFORM CQC TESTING AND TO MONITOR FILLING ACTIVITIES. PERFORMED 24 IN-PLACE DENSITY TESTS. TEST RESULTS WERE 97 & 100% OF COMPARTIONS. TESTS WERE CONDUCTED AT ELEVATIONS 119 AND 120 AND MET PROJECT SPECIFICATIONS

List of Subcontractors

DCW CIVIL CONSTRUC.	TRANS-PHOS TRUCKING	BURCAW GEOTECHNICAL
MEGA-FORCE TRUCKING	HURLEY TRUCKING	PENINSULA SURVEYING

List of Materials Delivered

FILL	~~4810~~ LOADS	~~28,197~~ 28,668 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	∅ cy	~~391~~ ~~LOADS~~ cy
FILL	6,734 cy	~~394,618~~ 401,352 cy

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONDEX

Date: 5 MAR 2002 Contract Day: 124 Contract Duration: 248

Days Remaining: 124

Weather

Temperature: (AM) 39° (PM) 65° Rain: - Duration of rain: -

Description of weather: CLEAR & BREEZY

List of Equipment on site: (A) for active (I) for idle

KOBELCO EXCAVATOR (A)	(2) SMOOTH DRUM ROLLER (A)	
CAT 322 EXCAVATOR (A)	WATER TRUCK (A)	
(3) D6 DOZER (A)	STREET BROOM (A)	
SHEEPSFOOT ROLLER (A)	(3) EXCAVATORS @ PIT (A)	

Personnel on site:

1	6	8
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

HONDEX CONTINUED HAULING FILL MATERIAL. FILLING ACTIVITIES WERE CONCENTRATED IN THE SW CORNER OF THE CELL. FILL WAS PLACED IN 12-INCH COMPACTED LIFTS. AREAS OF EXISTING FILL WERE BENCHED TO ENSURE THOROUGH COMPACTION. SEVERAL TRUCK LOADS OF UNSUITABLE MATERIAL WERE REMOVED FROM THE CELL BOTTOM BY DUMP TRUCK. THE DEWATERING PUMP WAS REMOVED, AND REPLACED WITH A SMALL 4" PUMP TO REMOVE REMAINING WATER FROM THE CELL. ALSO FINE GRADED ALONG EAST WALL OF CELL FROM THE SE CORNER.

DGW - SPENT ALL DAY GRADING STOCKPILE. REMOBILIZED KOMATSU DOZER.

BURCAM - ONSITE TO PERFORM MONITORING OF FILL PLACEMENT AND TO CONDUCT FIELD DENSITY TESTING. MONITORED FILL PLACEMENT TO ENSURE CONFORMANCE WITH PROJECT SPECIFICATIONS. PERFORMED 7 IN-PLACE DENSITY TESTS USING DRIVE SLEEVE METHOD. RESULTS EXCEEDED 75% COMPACTION AS REQUIRED BY PROJECT DOCUMENTS.

List of Subcontractors

DGW GULF CONSTRUCTION	TRANS-PHOS TRUCKING	BURCAM GEOTECHNICAL
MEGA-FORCE TRUCKING	HURLEY TRUCKING	

List of Materials Delivered

FILL	784 LOADS	29,452 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CUT	0 cy	
FILL	10,976 cy	412,328

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 6 Mar 2002 Contract Day: 126 Contract Duration: 248

Days Remaining: 122

Weather

Temperature: (AM) 49 (PM) 74° Rain: - Duration of rain: -

Description of weather: Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Kobew Excavator (A)	(2) Smooth Drum Roller (A)	
CAT 322 Excavator (A)	Water Truck (A)	
(3) D6 Dozer (A)	Street Broom (A)	
Sheepsfoot Roller (A)	(3) Excavators @ Pit (A)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	8	6

Description of Construction Activity

Handex continued to backfill in southwest corner and along west wall. Fill material was imported from Sherwin Lakes Mine. Also continued to fine grade interior portion of cell using laser grading equipment.

DCW - Worked in stockpile grading top and sideslopes

Burgan - onsite to monitor fill activities and perform density testing. All materials placed according to contract documents. Performed 7 in-place density tests using nuclear density gauge. Test were conducted at elevations 120 to 123. All test results exceeded 95% compaction as specified in contract documents.

Attended weekly construction progress meeting.

List of Subcontractors

DCW Civil Construct; Trans-Plus Trucking; Burgan Geotechnical; Megaforce Trucking; Hurley Trucking

List of Materials Delivered

Fill	645 loads	30,097 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
CJT	0	
Fill	9,030 cy	421,358 cy

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion — Project number: 09200020.22

Owner: Hillsborough County — Contractor: Hardee

Date: 7 Mar 2002 — Contract Day: 126 — Contract Duration: 248

Days Remaining: 122

Weather

Temperature: (AM) 49 (PM) 75° Rain: <0.1" Duration of rain: ≈ 45 mins

Description of weather: cloudy w/ afternoon showers

List of Equipment on site: (A) for active (I) for idle

Kobelco Excavator (A)	(2) Smooth Drum Roller (A)	
CAT 322 Excavator (A)	Water Truck (A)	
(3) D6 Dozer (A)	Street Broom (A)	
Sheepsfoot Roller (A)	(3) Excavators @ Pit (A)	

Personnel on site:

1	8	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued to haul fill from Shelley Lakes mine. Fill placed in 12-inch compacted lifts. Fill was placed in SW corner along west cell wall and in eastern section of cell to build cell bottom contours. Remove headwall from drain pipe in SE corner. Backfilled and compacted up to bottom of pipe.

DCW - Continued to grade stockpile.

Burgan - Onsite to perform monitoring and density testing. Performed 4 in-place density tests. Compaction was between 95 and 98%. All tests exceed FDEP requirements.

Reinhold - Placed stakes to identify location of pipe trenches and bottom contours.

M Observed the removal of headwall to ensure leachate force main was not encountered or disturbed. Observed backfilling of area excavated to remove headwall.

List of Subcontractors

DCW Civil Construction	Trans-Plus Trucking	Burgan Geotechnical
Mega-Force Trucking	Hurley Trucking	Reinhold Surveying

List of Materials Delivered

Fill	706 loads	30,803 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	9884 cy	431,242 cy

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 8 Mar 2002 Contract Day: 127 Contract Duration: 248

Days Remaining: 121

Weather

Temperature: (AM) 60° (PM) 83° Rain: - Duration of rain: -

Description of weather: Partly cloudy, breezy

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Water Truck (A)	
(3) D6 Dozer (A)	Street Broom (A)	
Sheepsfoot Roller (A)	(3) Excavators @ Pit (A)	
(2) Smooth Drum Roller (A)		

Personnel on site:

1	6	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Handex continued to haul fill from Shelley Lakes mine to construct contours on cell bottom. Fill was placed in 12-inch compacted lifts using dozers and vibratory compactors. Began grading area to the north of cell outside the limits of excavation.

DCW - Graded stockpile area. Demobilized Kobelco excavator. Handex warned DCW that stockpile was not accepted and that demobilization was at their own risk.

Burcan - Onsite to monitor filling and perform CQC testing. Performed 7 in place density tests in area of bottom contours. Test results were between 96 and 98 % compaction. Sampled clay material from possible borrow source. Retrieved 3 samples and brought to Burcan lab for testing.

Peninsula - Returned for several hours to continue staking contours and trench, berm locations.

List of Subcontractors

DCW Civil Construc.	Trans-Phos Trucking	Burcan Geotechnical
MegaForce Trucking	Hurley Trucking	Peninsula Surveying

List of Materials Delivered

Fill	569 loads	31,372 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	7966 cy	439,208 cy

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite: 7:00 am 0.5 hours for lunch

Offsite: 6:30 pm

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONDEX

Date: 9 MAR 2012 Contract Day: 128 Contract Duration: 248

Days Remaining: 120

Weather

Temperature: (AM) 59° (PM) 83° Rain: - Duration of rain: -

Description of weather: PARTLY CLOUDY

List of Equipment on site: (A) for active (I) for idle

CAT 322 EXCAVATOR (A)	SHEEPSFOOT ROLLER (A)	
(2) D6 DOZER (A)	WATER TRUCK (A)	
D6 DOZER (I)	STREET BROOM (A)	
(2) SMOOTH-DRUM ROLLER (A)	(2) EXCAVATORS @ AIT (A)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	8	4

Description of Construction Activity

HONDEX CONTINUED FILLING ACTIVITY. CONTINUED TO CONSTRUCT BOTTOM CONTOURS AND SEPERATION BERM. BEGAN CONSTRUCTING STORMWATER DIVERSION BERM/CHANNEL AND FILLING IN NE CORNER. GRADED AREA OUTSIDE LIMITS OF EXCAVATION ON NORTH SIDE OF CELL.

DCW - NOT ONSITE - NO ACTIVITY

BURGESS - ONSITE FOR CQC TESTING AND MONITORING OF FILL PLACEMENT. PERFORMED 6 IN PLACE DENSITY TESTS USING NUCLEAR DENSITY GAUGE. ALL TESTS EXCEEDED PROJECT SPECIFICATIONS OF 95% STANDARD PROCTOR DENSITY. COLLECTED APPROX. 8 GALLONS OF LEACHATE FOR HYDRAULIC CONDUCTIVITY TESTING. LEACHATE WAS TRANSPORTED TO BURGESS LAB.

List of Subcontractors

MEGA FORCE TRUCKING (A)	HURLEY TRUCKING (A)	
TRANS-PHOS TRUCKING	BURGESS GEOTECHNICAL	

List of Materials Delivered

FILL	388 LOADS	31,760 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	5,432 CY	444,640 CY

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

ONSITE 7am
OFFSITE 5:30pm
0.5 HOUR FOR LUNCH
10 HRS

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HARDEX

Date: 10 MAR 2002 Contract Day: 129 Contract Duration: 248

Days Remaining: 119

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain: -

Description of weather:

List of Equipment on site: (A) for active (I) for idle

CAT 322 EXCAVATOR (I)	WATER TRUCK (I)	
(3) D6 DOZER (I)	STREET BROOM (I)	
SHEEPSFOOT ROLLER (I)	(3) EXCAVATORS @ PIT (I)	
(2) SMOOTH DRUM ROLLER (I)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

-

List of Materials Delivered

FILL	0 LOADS	31,760 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	0 CY	444,640 CY

Field Representative [signature] Date 10 MAR 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

0 HOURS ONSITE.

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 11 MAR 2002 Contract Day: 130 Contract Duration: 248

Days Remaining: 118

Weather

Temperature: (AM) 55° (PM) 84° Rain: -- Duration of rain: -

Description of weather: CLEAR AND BREEZY

List of Equipment on site: (A) for active (I) for idle

CAT 322 EXCAVATOR (A)	WATER TRUCK (A)	
(3) D6 DOZER (A)	STREET BROOM (A)	
SHEEPSFOOT ROLLER (A)	(2) EXCAVATOR & PUT (A)	
(2) SMOOTH DRUM ROLLER (A)		

Personnel on site:

1	8	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

HANDEX CONTINUED TO HAUL FILL FROM SHELDY LOKKS MINE AND PLACE IN 12-IN COMPACTED LIFTS. COMPACTION WAS ACHIEVED USING VIBRATORY ROLLERS. FILL WAS PLACED ALONG NORTH, WEST AND EAST WALLS OF CELL.

VISUALLY INSPECTED STOCKPILES OF HANDEX, COUNTY, AND DCW. NOTED SEVERAL AREAS THAT NEEDED TO BE REGRADED. DCW WORKED THESE AREAS AND THEN REINSPECTED. DCW WAS GIVEN THE OK.

PENINSULA- ~~SURVEYED~~ PLACED STAKES TO MARK LOCATION OF BERM ALONG EAST WALL.

BURGEAR ONSITE TO MONITOR FILL ACTIVITIES AND TO PERFORM FIELD DENSITY TESTING. PERFORMED 4 IN-PLACE DENSITY TESTS USING DRIVE SLEEVE METHOD. TEST RESULTS WERE BETWEEN 95 AND 100% COMPACTION. ALL TEST RESULTS EXCEED PROJECT SPECIFICATIONS.

List of Subcontractors

DCW CIVIL CONSTRUCTION	TRANS-PHOS TRUCKING	BURGEAR GEOTECHNICAL
MEGAFORCE TRUCKING	HURLEY TRUCKING	PENINSULA SURVEYING

List of Materials Delivered

FILL	550 LOADS	3263 2 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	7700 CY	456,848 CY

Field Representative [signature] Date 11 MAR 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

ONSITE 7:00 AM 0.5 HOURS LUNCH

OFFSITE 6:30 PM

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 12 Mar 2002 Contract Day: 131 Contract Duration: 248

Days Remaining: 117

Weather

Temperature: (AM) 61° (PM) 84° Rain: ~ Duration of rain: ~

Description of weather: Partly cloudy, breezy

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	(2) Smooth Drum Roller (A)	
(2) D6 Dozer (A)	Water Truck (A)	
D6 Dozer (I)	Street Broom (A)	
Sheepsfoot Roller (A)		

Personnel on site:

1	6	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Handex continued to haul fill material from Shelley Lakes Mine. Fill was placed in 12-inch compacted lifts. Constructed side slopes along ~~east~~ west cell wall and southeast corner. Filled along northern wall to bring area up to grade. Spent some time grading area to the north of the excavation outside limits

Burcan - onsite for materials testing and monitoring of fill activity. Ensured that no unsuitable material was placed, and that fill was placed in 12-inch lifts. Performed 1 in-place density test along west wall of cell. Test result was 97% compaction. Material was also ± 3% of optimum moisture. Test results meet the project specifications. Collected samples from possible clay borrow source for qualification testing.

List of Subcontractors

Mega Force Trucking	Hurley Trucking	
Trans-Phos Trucking	Burcan Geotechnical	

List of Materials Delivered

Fill	651 loads	33283 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	9114 cy	465,962 cy

Field Representative [signature] Date 12 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7 am Lunch 0.5 hour

Offsite 6:30 pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 13 Mar 2002 Contract Day: 132 Contract Duration: 248

Days Remaining: 116

Weather

Temperature: (AM) 69° (PM) 77° Rain: - Duration of rain: 0.2" overnight

Description of weather: mostly sunny, windy

List of Equipment on site: (A) for active (I) for idle

Cat 322 Excavator (A)	Water Truck (I)	
(2) D6 Dozer (A)	Street Broom (A)	
(2) Smooth Drum Roller (A)	Cat Water Tanker (A)	
Sheepsfoot Roller (A)	(2) Excavators @ Pit (A)	

Personnel on site:

1	7	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Handex - continued to build berm and sideslopes along east and west walls. Fill material was imported from Shelley Lakes Mine and placed in 12-inch compacted lifts. Compaction was accomplished using vibratory rollers in a cross-cross pattern. Mobilized a CAT 5000 gal tanker to maintain moisture in filling area.

DCW - Demobilized CAT D6 Dozer.

Burcow - Onsite to perform fill monitoring & in-place densities. Performed 7 density tests. Test results between 97 & 99% compaction. Moisture content of fill was ±3% optimum. Fill meets project specifications

Attended weekly construction progress meeting. Verizon repaired pole at entrance that was damaged by dump truck.

List of Subcontractors

Megaforce Trucking	Hurley Trucking	
Trans-Rios Trucking	Burcow Geotechnical	

List of Materials Delivered

Fill	~~500~~ loads	~~39283~~ loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	~~7000~~ cy	~~521,962~~ cy

Field Representative [signature] Date 13 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7:00 am 0.5 for lunch

Offsite 6:30 pm

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONDEX

Date: 14 MAR 2002 Contract Day: 133 Contract Duration: 248

Days Remaining: 115

Weather

Temperature: (AM) 60° (PM) 78° Rain: — Duration of rain: —

Description of weather: MOSTLY SUNNY

List of Equipment on site: (A) for active (I) for idle

CAT 322 EXCAVATOR (A)	STREET BROOM (A)	
(2) CAT D6 DOZER (A)	WATER TANK (A)	
SHEEPSFOOT ROLLER (A)	CAT WATER TANKER (A)	
(2) SMOOTH DRUM ROLLER	(2) EXCAVATORS @ PIT (A)	

Personnel on site:

1	7	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CONTINUED HAULING BACKFILL MATERIAL FROM SHELLY LAKES MINE. FILL WAS PLACED ALONG WEST WALL OF CELL AND ONSIDE SLOPES IN THE SW CORNER. FILL WAS PLACED IN 12-INCH COMPACTED LIFTS WITH DOZERS & VIBRATORY ROLLERS. REMOVED HEADWALL FROM EXCAVATION USING A LOWBOY TRAILER. HEADWALL WAS PLACED OUTSIDE OF LIMITS OF CONSTRUCTION IN AN AREA DESIGNATED BY THE COUNTY.

BURCAW WAS ONSITE TO MONITOR PLACEMENT OF FILL AND TO PERFORM CQC TESTING. PERFORMED 6 IN-PLACE DENSITY TESTS USING THE DRIVE SLEEVE METHOD. TEST RESULTS WERE BETWEEN 96% AND 100% COMPACTION. THESE TESTS EXCEEDED THE PROJECT SPECIFICATION OF 95% COMPACTION.

List of Subcontractors

MEGA FORCE TRUCKING	HURLEY TRUCKING	
TRANS-PHOS TRUCKING	BURCAW GEOTECHNICAL	

List of Materials Delivered

FILL	582 LOADS	34474 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	8148 CY	482,636 CY

Field Representative [signature] Date 14 MAR 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

ONSITE 7AM 0.5 HOUR LUNCH

OFFSITE 6:30pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hander

Date: 15 Mar 2002 Contract Day: 134 Contract Duration: 248

Days Remaining: 114

Weather

Temperature: (AM) 60° (PM) 83° Rain: — Duration of rain: —

Description of weather: Sunny and Clear

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	CAT Water Tanker (A)	
(2) D6 Dozer (A)	Street Broom (A)	
Sheepsfoot Roller (A)	(2) Dump Trucks (A)	
(2) Smooth Drum Roller		

Personnel on site:

1	7	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued to haul backfill material from Shelby Lakes Mine. Material was placed along western limits of excavation and in the Southeast corner. Continued to construct bottom of cell contours using dozer and laser grading equipment. Began to remove temporary access ramp. Material from ramp was used as backfill.

Peggy Rutland of Penins. Surveying was onsite to discuss surveying needs for remainder of project.

Buran was onsite to perform monitoring of filling activities and to perform field density testing. Performed 4 in-place density tests at elevations 131 to 134 using the drive sleeve method. All test results exceeded 95% compaction as specified in the project documents.

Kim Ford of FDEP was onsite to observe construction. Answered any questions regarding the construction.

List of Subcontractors

Mega Force Trucking	Hurley Trucking	
Trans-Phos Trucking	Buran Geotechnical	

List of Materials Delivered

Fill 36" RCP	128 LF 517 Loads	128 LF. 34791 Loads
Bricks	1 pallet	1 pallet

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	7238 cy	489,874 cy

Field Representative [signature] Date 15 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7am 0.5 hour lunch

Offsite 6:30pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 16 Mar 2002 Contract Day: 135 Contract Duration: 248

Days Remaining: 113

Weather

Temperature: (AM) 62° (PM) 86 Rain: — Duration of rain: —

Description of weather: Clear and Sunny, Warm

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	CAT Water Tanker (A)	
(2) D6 Dozer	Street Broom (A)	
(2) Smooth Drum Roller (A)	~~CAT 815 Roller (A)~~	
Sheepsfoot Roller (A)		

Personnel on site:

1	87	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hondex continued to haul fill material from Shelley Lakes Mine. Haul called off at approximately 8:00 am due to dump truck accident. Resumed hauling at at approx 12:00 pm with limited number of trucks. Fill was placed along west wall of cell and used to construct contours of cell bottom. Fill was placed in 12-inch compacted lifts. Continued to excavate temporary access ramp. Trucks are entering from Northwest corner. Contractor held a safety meeting with all truckers and PT personnel before resuming hauling.

Fluor was onsite to monitor backfill placement and compaction. Observed fill placement to ensure compliance with project specifications

List of Subcontractors

Hurley Trucking Mego Force Trucking

Burns Geotechnical

List of Materials Delivered

Fill	157 Loads	35,212 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	2226 cy	cy

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7am 0.5 hour lunch

Offsite 5:30pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09210020.52

Owner: Hillsborough County Contractor: Hanock

Date: 16 Mar 2012 Contract Day: 135 Contract Duration: 248

Days Remaining: 113

Weather

Temperature: (AM) 62° (PM) 86 Rain: — Duration of rain: —

Description of weather: Clear and Sunny, Warm

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	CAT Water Tanker (A)	
(2) D6 Dozer	Street Broom (A)	
(2) Smooth Drum Roller (A)	~~CAT D5 Dozer (A)~~	
Sheepsfoot Roller (A)		

Personnel on site:

1	7	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hanock continued to haul fill material from Shelley Lokes Mine. Haul called off at approximately 8:00 am due to dump truck accident. Resumed hauling at at approx 12:00 pm with limited number of trucks. Fill was placed along west wall of cell and used to construct contours of cell bottom. Fill was placed in 12-inch compacted lifts. Continued to excavate temporary access ramp. Trucks now entering from Northwest corner. Contractor held a safety meeting with all truckers and pit personnel before resuming hauling.

Ellerbe was onsite to monitor backfill placement and compaction. Observed fill placement to ensure compliance with project specifications

List of Subcontractors

Hurley Trucking Mego Force Trucking

Burns Geotechnical

List of Materials Delivered

Fill	157 Loads	35,212 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	2226 cy	cy

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7am 0.5 hour lunch

Offsite 5:30pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 07202020.52

Owner: Hillsborough County Contractor: Waldo R

Date: 17 Mar 2002 Contract Day: 136 Contract Duration: 248

Days Remaining: 112

Weather

Temperature: (AM) ~ (PM) ~ Rain: ~ Duration of rain: ~

Description of weather:

List of Equipment on site: (A) for active (I) for idle

CAT 330 Excavator (I)	CAT water Truck (I)
(2) CAT D6 Dozer (I)	Street Broom (I)
(1) Smooth Drum Roller (I)	(2) Excavators ePit (A)
Sheepsfoot Roller (I)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	0	1

Description of Construction Activity

NO Activity

List of Subcontractors

-

List of Materials Delivered

Fill	0 Loads	35,212 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	0 cy	192,968 cy

Field Representative [signature] Date 17 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

NOT ONSITE

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09202002.32

Owner: Hillsborough County Contractor: Hardy

Date: 18 Mar 2002 Contract Day: 137 Contract Duration: 295

Days Remaining: 111

Weather

Temperature: (AM) 62° (PM) 86° Rain: — Duration of rain: —

Description of weather: Mostly Sunny

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sheepsfoot Roller (A)	
(2) D6 Dozer (A)	CAT Water Truck (A)	
D5 Dozer (A)	Shelby Backhoe (I)	
(2) Smooth Drum Rollers (A)	(2) Excavators & Pit (A)	

Personnel on site:

1	7	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hardy - Continued to place fill hauled from Shelby Lakes Mine. Fill was placed in 12-inch compacted lifts along north and west limits of excavation and in containment berm. Graded new bottom to eastern area of cell.

Bulcan - Onsite for testing and fill placement observation. Performed 4 in-place density tests using the drive sleeve method. Tests were conducted at elevations between 128 and 133. All tests exceeded 95% compaction as specified in the contract documents.

List of Subcontractors

Hurley Trucking

Bulcan Geotechnical

List of Materials Delivered

Fill	579 loads	35791 loads
36" RCP	80 LF	208 LF. (2))

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	8106 cy	501,074 cy

Field Representative [signature] Date 18 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 8:00am

Offsite 6:30p 0.5 hour lunch

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09202620.32

Owner: HILLSBOROUGH COUNTY Contractor: HARDEE

Date: 19 MAR 2002 Contract Day: 138 Contract Duration: 248

Days Remaining: 110

Weather

Temperature: (AM) 66° (PM) 86° Rain: - Duration of rain: -

Description of weather: CLEAR & SUNNY

List of Equipment on site: (A) for active (I) for idle

CAT 322 EXCAVATOR (A)	SHEEPSFOOT ROLLER (A)
(2) DC DOZER (A)	CAT WATER TANKER (A)
D5 DOZER (A)	SMOOTH BARON (A)
(2) SMOOTH DRUM ROLLER (A)	(2) EXCAVATOR & PUT (A)

Personnel on site:

1	7	46
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

HARDEE - CONTINUED TO HAUL AND PLACE FILL FROM SHELLEY LAKES MINE. FILL WAS PLACED IN 12-INCH COMPACTED LIFTS. FILL WAS PLACED IN THE WEST CONTAINMENT BERM AND ALONG THE WESTERN LIMITS OF EXCAVATION. FILL WAS COMPACTED WITH 10-TON VIBRATORY ROLLERS.

BURLON - ONSITE TO MONITOR PLACEMENT OF FILL AND TO PERFORM IN-PLACE DENSITY TESTING. CONDUCTED TWO IN-PLACE DENSITY TEST AT ELEVATIONS 130 AND 134. TEST RESULTS SHOWED 98 & 100% COMPACTION. THIS MEETS THE SPECIFICATIONS SET FORTH IN THE CONTRACT DOCUMENTS.

List of Subcontractors

HURLEY TRUCKING

BURLON GEOTECHNICAL

List of Materials Delivered

FILL	539 LOADS	36322 LOADS
36" RCP	0 L.F.	208 L.F.

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	7434 ~~8106~~ CY	508,508 CY

Field Representative _____ Date 19 MAR 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

ONSITE 7 AM
OFFSITE 6:30 PM 0.5 HR LUNCH

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09202020.32

Owner: Hillsborough County Contractor: Honeck

Date: 20 Mar 2002 Contract Day: 139 Contract Duration: 248

Days Remaining: 109

Weather

Temperature: (AM) 68° (PM) 86° Rain: - Duration of rain: -

Description of weather: Sunny & clear, windy late

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sheepsfoot (A)	
(2) CAT 826 Dozer (A)	CAT Water Tanker (A)	
CAT D5 Dozer (A)	Smooth Drum (A)	
(2) Smooth Drum Roller (A)	(2) Excavator @ Pit (A)	

Personnel on site:

1	7	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Honeck continued to haul fill from Shelley Lakes Mine. Fill was placed in 12-inch compacted lifts and compacted with vibratory rollers in a criss-cross pattern. Soil moisture was maintained using a water tanker. Continued placing fill along west slope and constructing bottom contours and containment berm.

Burcon - onsite to monitor fill operations and perform QA/QC testing. Performed two in-place densities along west wall at elevation 126.00 / 131. Test results showed 96 & 99 % compaction. These tests meet the specifications as set forth in the contract documents.

Chaired weekly construction progress meeting.

List of Subcontractors

~~Fill~~ Hurley Trucking		~~Loads~~			~~Loads~~
~~36" RCP~~ Burcon Geotechnical		~~L.F.~~			~~L.F.~~

List of Materials Delivered

Fill	636	Loads	36,958	Loads
36" RCP	160	LF		368 LF

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	8904 cy	517,412 cy

Field Representative [signature] Date 20 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7 am 0.5 Hour Lunch

Offsite 6:30 pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 21 Mar 2002 Contract Day: 140 Contract Duration: 248

Days Remaining: 108

Weather

Temperature: (AM) 65° (PM) 84° Rain: - Duration of rain: -

Description of weather: Clear in AM, becoming cloudy & windy, PM

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sheepsfoot Roller (A)	
(2) Cat D6 Dozer (A)	Water Tanker (A)	
CAT D5 Dozer (A)	Street Broom (A)	
(2) Smooth Drum Rollers	(2) Excavators @ Pit	

Personnel on site:

1	7	5
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Handex continued to haul fill to build up side slopes along west wall, separation berm, and bottom contours. Fill was placed in 12-inch compacted lifts. Water tanker was used to distribute water to maintain moisture content of fill.

Burcow - On site to perform QAQC for fill placement. Observed the placement of fill material to ensure compliance with contract specifications. Performed 5 in-place density tests using drive sleeve method. Results exceeded the 95% compaction specified in the contract documents.

Burcow performed 2 hand augers in the area of the ~~existing~~ access ramp under observation of SCC and the County. First hand auger did not encounter any clay. Second hand auger encountered clay at a depth of approx 8.5 feet. Contractor excavated the clay material to its extents.

List of Subcontractors

Hurley Trucking

Burcow Geotechnical

List of Materials Delivered

Fill	Ø loads	36958 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	Ø cy	517,412 cy

Field Representative [signature] Date 21 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

onsite 7 am 0.5 hour lunch

offsite 6:30pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hanson

Date: 22 Mar 2002 Contract Day: 141 Contract Duration: 248

Days Remaining: 107

Weather

Temperature: (AM) 61° (PM) 76° Rain: — Duration of rain: —

Description of weather: Sunny and clear

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sheepsfoot Roller (A)
(2) D6 Dozer (A)	CAT Water Tanker (A)
D5 Dozer (A)	Street Broom (A)
(2) Smooth Drum Roller (A)	(2) Excavators @ Pit (A)

Personnel on site:

1	7	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hanson continued hauling and placing fill from Shelley Lakes Mine. Fill was placed using dozers and compacted in 12-inch lifts with vibratory compactors. Fill was placed in west containment berm and along west wall. Continued to build and grade bottom of cell controls.

Buncan - onsite to perform fill monitoring and testing.

Peninsula - onsite to place grade stakes and locate toe of berm slopes.

Contractor dug a test pit in ramp area to be examined by SCS and County. Met with county to discuss possible solutions to ramp clay issue.

List of Subcontractors

Hurley Trucking, Peninsula Surveying, Buncan Geotechnical

List of Materials Delivered

Fill	0 loads	37,691 loads
36" RCP	16 L.F.	384 L.F.

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	0 cy	527,674

Field Representative [signature] Date 22 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7 am
offsite 6:30 pm 0.5 hour lunch

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 23 Mar 2002 Contract Day: 142 Contract Duration: 248

Days Remaining: 106

Weather

Temperature: (AM) 54° (PM) ____ Rain: – Duration of rain: –

Description of weather: clear and breezy

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	(2) Smooth Drum Roller (A)	
(2) D6 Dozer (A)	Water Tanker (A)	
D5 Dozer (A)	Street Broom (A)	
Sheepsfoot Roller (A)	(2) Excavators @ Pit (A)	

Personnel on site:

1	4	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Handex did not haul fill today. Compacted all areas that have been filled. Rolled top of berms and sideslopes along South side of cell. Graded cell bottom contours using laser grading equipment.

Began installing double 36" RCP drain from swale to stormwater area. Had to lower pipe invert elevations by 3". Pipe would not clear the leachate forcemains. Replaced shell road and back bladed to match existing grade.

Burcam - On site to perform in-place density testing on pipe backfill. Performed one density on the pipe bedding. And two on the backfill at intervals of one foot of backfill.

List of Subcontractors

Burcam Geotechnical

List of Materials Delivered

–

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
36" RCP	128 LF.	128 LF.

Field Representative [signature] Date 23 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

On site 7am
Offsite 6:30pm 0.5 Hour lunch

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 24 Mar 2002 Contract Day: 143 Contract Duration: 248

Days Remaining: 105

Weather

Temperature: (AM) ~ (PM) ~ Rain: → Duration of rain: —

Description of weather:

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (I)	(2) Smooth Drum Roller (I)	
D6 Dozer (I)	CAT water Tanker (I)	
D5 Dozer (I)	Street Broom (I)	
Sheepsfoot Roller (I)	(2) Excavators @ Pit (I)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 24 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 01200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 25 Mar 2002 Contract Day: 144 Contract Duration: 248

Days Remaining: 104

Weather

Temperature: (AM) 66° (PM) 87° Rain: ~ Duration of rain: ~

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat 322 Excavator (A)	(2) Smooth Drum Roller	
(2) Cat D6 Dozer (A)	Water Tanker (A)	
Cat D5 Dozer (A)	Street Broom (A)	
Sheepsfoot Roller (A)	(2) Excavators Pit (I)	

Personnel on site:

1	6	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

No hauling of fill material occurred. Resumed rolling cell bottom and side slopes. Continued to use water tanker to maintain moisture in fill. Continued to excavate stormwater drainage swale along outside of cell limits. Excavated material was hauled into cell to be used as fill. This material was placed in 12-inch compacted lifts. Continued to fine grade cell bottom to meet ~~pre~~ design elevations.

Burgan - Onsite to observe placement of backfill. Did not perform any in-place density tests.

Installed the remaining 36" RCP drain pipe. Installed two mitered end sections and compacted the backfill over the pipe.

List of Subcontractors

Burgan Geotechnical

Hurley Trucking

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	0 cy	
36" RCP	32 L.F.	160. L.F.

Field Representative [signature] Date 25 Mar 2002

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

Onsite 7a
offsite 6:30p

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09202020.32

Owner: Hillsborough County Contractor: Hanlock

Date: 26 May 2022 Contract Day: 145 Contract Duration: 248

Days Remaining: 103

Weather

Temperature: (AM) 68° (PM) 80° Rain: 0.2" Duration of rain: 1Hr.

Description of weather: Mostly cloudy, windy Late PM

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavators (A)	(2) Smooth Drum Rollers (A)	(2) Hand Compactors (I)
CAT D6 Dozer (A)	Water Tanker (A)	
CAT D5 Dozer (A)	Street Sweeper (A)	
CAT Sheepsfoot Roller (A)	(2) Excavators @ Pit (I)	

Personnel on site:

1	6	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued to excavate stormwater trapwork shale and haul material into cell to be used as backfill. Compacted cell bottom and side slopes with vibratory compactors, and operated water tanker to maintain fill moisture content. Dug 2 test pits. First test pit was too large and bottom of excavation began to fill with water. 2nd test pit was excavated in 1 foot increments to facilitate compaction testing. Demobilized D6 Dozer.

Burlon - Performed 2 in-place density tests on completed backfill in cell bottom. Tests were performed at final design grades. Compaction test results exceeded the project specifications of 95% of the std. AASHTO compaction. Performed density testing at 1 foot intervals in test pit in pump area. All densities in this area exceeded 95% compaction.

List of Subcontractors

Hurley Trucking

Burlon Geotechnical

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 26 May 2022

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7am
offsite 6:30pm 0.5 hour lunch

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 27 Mar 2002 Contract Day: 146 Contract Duration: 248

Days Remaining: 102

Weather

Temperature: (AM) 66° (PM) 82° Rain: - Duration of rain: -

Description of weather: Partly Cloudy, windy

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	(2) Smooth Drum Roller (A)	
CAT D6 Dozer (A)	Water Tanker (A)	
CAT D5 Dozer (A)	Street Broom (A)	
Sheepsfoot Roller (A)		

Personnel on site:

1	7	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Handex resumed hauling fill from Shelley Lakes Mine. The fill was placed on the west containment berm and along the northern limits of excavation. The fill was placed in 12-inch compacted lifts, compacted with 10-ton vibratory rollers. Continued to excavate the drainage swale outside the cell limits. The excavated material was placed outside the limits of excavation on the west side of the cell. Also continued to remove roots, garbage, etc that was removed from fill. Roots were hauled back to Shelley Lakes Mine.

Burcon onsite to monitor backfilling and perform QA/QC testing. Observed placement of fill to ensure lift thickness was not greater than 12 inches. Performed 3 density tests in fill placed in the west containment berm. All tests exceeded the 95% compaction specified in the project documents.

Demobilized street broom.

List of Subcontractors

Hurley Trucking

Burcon Geotechnical

List of Materials Delivered

Fill	166 loads	37857 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	2328 cy	529,998 cy

Field Representative [signature] Date 27 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7am 0.5 hour lunch

Offsite 6:30pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Wonder

Date: 28 Mar 2002 Contract Day: 147 Contract Duration: 248

Days Remaining: 101

Weather

Temperature: (AM) 65° (PM) 82° Rain: - Duration of rain: -

Description of weather: Mostly Sunny

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sheepsfoot Roller (I)	
D6 Dozer (A)	Water Truck (A)	
D5 Dozer (A)	(2) Excavators @ Pit (A)	
(2) Smooth Drum Rollers (A)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	6	3

Description of Construction Activity

Contractor continued to haul backfill material from Shelley Lakes Mine. Fill was placed in 12-inch compacted lifts with dozers and vibratory rollers. Fill was placed along the western limits of excavation in the NW corner. Continued to construct the western containment berm. Began excavating leachate collection pipe trenching in eastern portion of cell.

Burgan - Onsite to observe test pit excavation and perform QA/QC testing. David Faulkner was onsite to discuss the access ramp issue. Larry Ruiz and JJ were also onsite. Were preparing to dig several test pits, however, excavator was down for repair.

Peninsula - Began laying out grid for certification of backfill

List of Subcontractors

Burgan Geotechnical Peninsula Surveying

Hurley Trucking

List of Materials Delivered

Fill	180 Loads	38037 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	2520 cy	532,518 cy

Field Representative [signature] Date 28 Mar 2002

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

Onsite 7 am 6.5 Hour Lunch

Offsite 6:30 pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion
Project number: 09200020.32
Owner: Hillsborough County
Contractor: Hondex
Date: 29 Mar 2002 Contract Day: 148 Contract Duration: 248
Days Remaining: 100
Weather
Temperature: (AM) 64° (PM) 83° Rain: — Duration of rain: —
Description of weather: Partly Cloudy
List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sheepsfoot Roller (I)	
D6 Dozer (A)	Water Tanker (A)	
D5 Dozer (A)	(2) Excavators @ Pit (A)	
(2) Smooth Drum Rollers (A)		

Personnel on site:

1	6	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity
Continued to haul fill from Shelley Lake Mine. Fill was placed in West containment berm and in ~~Northwest~~ Southwest corner, in 12-inch compacted lifts. Rolled cell bottom to maintain compaction and utilized water tanker to keep up soil moisture. Continued to dig collector pipe trenches in cell bottom.

Duncan - onsite to perform QA/QC testing and observation of fill placement. David Faulkner onsite to observe test pit excavation. Excavated one test pit in area of access ramp and performed density testing at 1 foot intervals for a depth of 6½ feet. Excavated one test pit in side slope in area of access ramp. Test pit was excavated until clay material was reached. The thickness of fill was measured at 6.5 feet and 7 feet. Side slopes are to contain approx 8 feet of fill. All density test results exceeded 95% compaction as specified in the contract documents.
Peninsula - onsite to continue certification survey of ~~grade~~ fill.

List of Subcontractors
Duncan Geotechnical — Peninsula Engineering & Survey
Hurley Trucking
List of Materials Delivered

Fill	208 loads	38245 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	2912 cy	535,430 cy

Field Representative — Date 29 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7am
Offsite 6:30pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.02

Owner: Hillsborough County Contractor: Hondex

Date: 30 Mar 2002 Contract Day: 149 Contract Duration: 248

Days Remaining: 99

Weather

Temperature: (AM) 65° (PM) 87° Rain: - Duration of rain: -

Description of weather: Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sweepstar Rake (I)	
CAT D6 Dozer (A)	Water Tanker (A)	
CAT D5 Dozer (A)	(2) Excavators @ Pit (I)	
(2) Smooth Drum Rollers (A)		

Personnel on site:

1	6	0
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor pulled collection trenches, side slopes, and cell bottom. Operator used water tanker to keep area moist. Graded along west wall outside limits of excavation and continued to grade west containment berm.

Peninsula - Placed stakes to indicate location of leachate collection sump.

List of Subcontractors

Peninsula Surveying

List of Materials Delivered

Fill	0 LOADS	38,245 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	0 cy	535,430 cy

Field Representative [signature] Date 30 Mar 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

Onsite 7a

Offsite 5:30p

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION
Project number: 09200020.32
Owner: HILLSBOROUGH COUNTY
Contractor: HONDEK
Date: 31 MAR 2002 Contract Day: 150 Contract Duration: 248
Days Remaining: 98
Weather
Temperature: (AM) - (PM) - Rain: - Duration of rain: -
Description of weather: -
List of Equipment on site: (A) for active (I) for idle

CAT 322 EXCAVATOR (I)	SHEEPSFOOT ROLLER (I)	
CAT D6 DOZER (I)	WATER TANKER (I)	
CAT D5 DOZER (I)	(4) EXCAVATORS @ PIT (I)	
(2) SMOOTH DRUM ROLLER (I)		

Personnel on site:
Ø No. of Superintendents Ø No. of Skilled Ø No. of Laborers

Description of Construction Activity
NO ACTIVITY

List of Subcontractors
-

List of Materials Delivered
-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	Ø CY	535,430

Field Representative [signature] Date 31 MAR 2002
(see reverse side for documentation of quantities) Copy Field Project Files, Office Files
NOT ONSITE

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200002032

Owner: Hillsborough County

Contractor: Hardex

Date: 1 Apr 2002 Contract Day: 151 Contract Duration: 250

Days Remaining: 97

Weather

Temperature: (AM) 67° (PM) 82° Rain: – Duration of rain: –

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sheepsfoot Roller (A)	
D6 Dozer (A)	Water Tanker (A)	
D5 Dozer (A)	(2) Excavators @ Pit (A)	
(2) Smooth Drum Rollers (A)		

Personnel on site:

1	5	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor resumed hauling fill from Shelley Lakes Mine. Fill was placed on east slope of containment berm and on the west side of the cell bottom. Fill was placed in 12-inch compacted lifts. ~~Excavated leachate collection sump~~ Graded top of containment berm. Continued to fine grade western portion of cell bottom.

Removed fuel containment berm next to stockpile. No contamination of surrounding soil was apparent ~~from~~

Burcon was onsite to monitor backfilling to ensure fill was placed in accordance with project documents

List of Subcontractors

Hurley Trucking

Burcon Geotechnical

List of Materials Delivered

Fill	144 loads	38,389 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	2016 cy	537,446 cy

Field Representative [signature] Date 1 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hooker

Date: 20 Apr 2002 Contract Day: 152 Contract Duration: 248

Days Remaining: 96

Weather

Temperature: (AM) 63° (PM) 83 Rain: 0.5" Duration of rain: 45 MIN

Description of weather: Mostly Cloudy, Rainstorm late PM

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sheepsfoot Roller (A)	
D6 Dozer (A)	CAT Water Tanker (A)	
D5 Dozer (A)	(2) Excavators e Pit (A)	
(2) Smooth Drum Roller (A)		

Personnel on site:

1	5	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued to haul fill from Shelly Lakes Mine. Fill was placed along top of west containment berm and along the west side slope. Also resumed rough grading of stormwater diversion ditch and area outside limits of excavation on west and north sides of cell. Excavated leachate collection sump. Fill was placed in 12-inch compacted lifts and compacted with vibratory compactors. Operated water tanker to maintain moisture content of fill.

Burgan was onsite to monitor fill operations and ensure that the materials and fill placement meet the project specifications.

List of Subcontractors

Hurley Trucking

Burgan Geotechnical

List of Materials Delivered

Fill	186 Loads	38,575 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	2604 CY	540,050 CY

Field Representative [signature] Date 21 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section - Capacity Expansion

Project number: 09200026.32

Owner: Hillsborough County

Contractor: Hardy

Date: 30 Apr 2002 Contract Day: 153 Contract Duration: 248

Days Remaining: 95

Weather

Temperature: (AM) 70° (PM) 80° Rain: 1.2" Duration of rain: 3 HRS.

Description of weather: Mostly cloudy, heavy rain PM

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sweepster Rayco (A)	
D6 Dozer (A)	Water Tanker (A)	
D5 Dozer (A)	(2) Excavators @ Pit (A)	
Smooth Drum Roller (A)		

Personnel on site:

1	5	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor continued to grade side slopes along north limits of excavation and west containment berm. Operated water tanker and vibratory compactor to maintain backfill moisture and compaction.

Contractor halted work due to heavy rain and wind. Attempted to resume work but site conditions were bad.

Chaired weekly progress meeting.

List of Subcontractors

Hurley Trucking

List of Materials Delivered

Fill	0 loads	50,575 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	0 cy	540,080 Loads

Field Representative _____ Date 30 Apr 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200026.32

Owner: Hillsborough County Contractor: Honeex

Date: 4 Apr 2002 Contract Day: 154 Contract Duration: 248

Days Remaining: 94

Weather

Temperature: (AM) 67° (PM) 80° Rain: — Duration of rain: —

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sheepsfoot Roller (A)	
1/6 Dozer (A)	Water Tanker (A)	
D5 Dozer (A)	(2) Excavators @ Pit (I)	
(2) Smooth Drum Rollers	4" Pump (A)	

Personnel on site:

1	4	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Mobilized 4" pump to remove stormwater from sump area. Excavated stormwater swale along south side of cell towards SW corner. Saw cut and removed existing pavement where necessary. Asphalt debris was placed in debris stockpile outside of construction limits. Pumped water from cell into swale.

Reconditioned areas that had been washed out due to heavy rains. Continued to use compactors to compact areas that had been filled.

List of Subcontractors

Hurley Trucking

List of Materials Delivered

Fill	0 Loads	38,575 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	0 CY	540,050 CY

Field Representative [signature] Date 4 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7a

Offsite 5:30p

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HANDEX

Date: 5 Apr 2002 Contract Day: 155 Contract Duration: 248

Days Remaining: 93

Weather

Temperature: (AM) 61° (PM) 81° Rain: - Duration of rain: -

Description of weather: PARTLY CLOUDY

List of Equipment on site: (A) for active (I) for idle

CAT 322 EXCAVATOR (A)	SWEEPSTER ROLLER (A)	
D6 DOZER (A)	CATERPILLAR (A)	
D5 DOZER (A)	(2) EXCAVATORS @ PIT (A)	
SMOOTH DRUM ROLLER (A)	4" PUMP (A)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	5	2

Description of Construction Activity

RESUMED HAULING APPROVED FILL MATERIAL FROM SHELLEY LAKES MINE. FILL WAS PLACED ALONG NORTHERN AND WESTERN LIMITS OF EXCAVATION IN 12 INCH COMPACTED LIFTS USING DOZERS & VIBRATORY COMPACTORS.

FINE GRADED THE SIDESLOPES OF THE WEST CONTAINMENT BERM.

BURGEAN ONSITE TO MONITOR FILL ACTIVITIES AND PERFORM IN-PLACE DENSITY TESTING. PERFORMED 2 IN-PLACE DENSITY TESTS USING A NUCLEAR DENSITY GAUGE. THE COMPACTION TESTS EXCEEDED THE 95% STANDARD COMPACTION SPECIFIED IN THE CONTRACT DOCUMENTS. SOIL MOISTURE CONTENT WAS WITHIN ±3% OF OPTIMUM.

List of Subcontractors

HURLEY TRUCKING

BURGEAN GEOTECHNICAL

List of Materials Delivered

FILL	162 LOADS	38,737 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	2,268 cy	542,318 cy

Field Representative [signature] Date 5 Apr 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

ONSITE 7am

OFFSITE 5:15pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 6 Apr 2002 Contract Day: 156 Contract Duration: 248

Days Remaining: 92

Weather

Temperature: (AM) 54° (PM) 80° Rain: — Duration of rain: —

Description of weather: Mostly Sunny

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Sheepsfoot Roller (A)	
D6 Dozer (A)	Water Tanker (A)	
D7 Dozer (A)	4" Pump (A)	
Smooth Drum Roller (A)	(2) Excavators @ Pit (A)	

Personnel on site:

1	4	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued to haul fill from Shelby Lewis mine. Fill was placed in compacted 8-inch lifts along northern limits of excavation. Continued to operate water tanker as needed to aid in compaction and dust control.

Utilized 4" pump to pump remainder of stormwater out of sump area. Pump discharge was to the stormwater swale outside the cell.

Graded areas to the west outside the limits of excavation. Brushed and regraded temporary stormwater swale that ran along the south haul road to stormwater basin 'D'.

List of Subcontractors

Hurley Trucking

List of Materials Delivered

Fill	114 loads	3885 1 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	896 cy	543,914 cy

Field Representative Date 6 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7am

Offsite 2pm

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONDEX

Date: 7 Apr 2002 Contract Day: 157 Contract Duration: 90

Days Remaining: 91

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

CAT 322 EXCAVATOR (I)	SHEEPSFOOT ROLLER (I)	
D6 DOZER (I)	CAT WATER TANKER (I)	
D5 DOZER (I)	4" PUMP (I)	
SMOOTH DRUM ROLLER (I)	(2) EXCAVATORS @ PIT (I)	

Personnel on site:

ϕ	ϕ	ϕ
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

List of Materials Delivered

FILL	ϕ LOADS	38,851 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	ϕ CY	513,914 CY

Field Representative _____ Date 7 Apr 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HARDEE

Date: 8 APR 2002 Contract Day: 158 Contract Duration: 248

Days Remaining: 90

Weather

Temperature: (AM) 60° (PM) 83° Rain: — Duration of rain: —

Description of weather: PARTLY CLOUDY, WINDY

List of Equipment on site: (A) for active (I) for idle

CAT 322 EXCAVATOR (A)	SHEEPSFOOT ROLLER (A)	
D6 DOZER (A)	4" PUMP (A)	
D5 DOZER (A)	WATER TANKER (A)	
SMOOTH DRUM ROLLER (A)	(2) EXCAVATORS @ PIT (A)	

Personnel on site:

1	3	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

DID NOT HAUL ANY FILL MATERIAL. CONTINUED TO GRADE THE AREAS OUTSIDE THE LIMITS OF EXCAVATION TO THE NORTH AND WEST. OPERATED ROLLER TO CONTINUE PROVIDING COMPACTION TO FILLED AREAS. CONCENTRATED ON SIDE SLOPES OF WEST CONTAINMENT BERM.

UTILIZED WATER TANKER TO DISTRIBUTE MOISTURE TO FILLED AREAS. MOVED 4" PUMP TO AREA BETWEEN WEST CONTAINMENT BERM AND WEST LIMITS OF EXCAVATION. PUMPED REMAINING STORMWATER FROM THIS AREA INTO THE STORMWATER SWALE

MOVED REMAINING RCP FROM EAST SIDE OF CELL TO THE SOUTH SIDE NEAR LINER STORAGE AREA.

List of Subcontractors

HURLEY TRUCKING

List of Materials Delivered

FILL	0 LOADS	38,851 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	0 CY	543,914 CY

Field Representative: [signature] Date: 8 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

ONSITE 7AM 0.5 HOUR FOR LUNCH

OFFSITE 5:30PM

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 9 Apr 2002 Contract Day: 159 Contract Duration: 248

Days Remaining: 89

Weather

Temperature: (AM) 66° (PM) 85 Rain: — Duration of rain: —

Description of weather: mostly clear

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (I)	Smoothfoot Roller (I)	
D6 Dozer (A)	Water Tanker (A)	
D5 Dozer (A)	4" Pump (A)	
Smooth Drum Roller (A)	(2) Excavators @ Pit (A)	

Personnel on site:

1	3	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor compacted and watered entire cell area. Concentrated compaction activity along SW/NW corner and to the north of cell. Graded area between west containment berm and west limits of excavations. Continued to grade outside of limits of excavation.

Peninsula Surveying was onsite to complete the surveying for the certification of backfill.

List of Subcontractors

Peninsula Surveying

List of Materials Delivered

Fill	0 loads	38,851

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	0 cy	543,914

Field Representative Date 9 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7am 0.5 hour lunch

Offsite 5:30pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 10 ~~Feb~~ April 2022 Contract Day: 160 Contract Duration: 248

Days Remaining: ~~_____~~ 88

Weather

Temperature: (AM) 67° (PM) 83° Rain: - Duration of rain: -

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (A)	Smooth Drum Roller (A)	
D6 Dozer (A)	Water Tanker (A)	
D5 Dozer (A)	4" Pump (I)	
Smooth Drum Roller (A)		

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued to grade areas outside the limits of excavation to the north and west of the cell.

Operated water tanker and vibratory compactions to maintain soil moisture and compaction

List of Subcontractors

-

List of Materials Delivered

Fill	0 loads	38,851

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	0 cy	543,914 cy

Field Representative [signature] Date 10 April 2022

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION

Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY

Contractor: NORDSK

Date: 11 Apr FEB 2002 Contract Day: 161 Contract Duration: 248

Days Remaining: 87

Weather

Temperature: (AM) 67° (PM) 83° Rain: - Duration of rain: ~

Description of weather: PARTLY CLOUDY.

List of Equipment on site: (A) for active (I) for idle

CAT 322 EXCAVATOR (A)	SHEEPSFOOT (I)	
D6 DOZER (A)	WATER TANKER (A)	
D5 DOZER (A)	4" PUMP (I)	
SMOOTH DRUM ROLLER (A)		

Personnel on site:

1 No. of Superintendents

2 No. of Skilled

4 No. of Laborers

Description of Construction Activity

GRADED OUTSIDE LIMITS OF EXCAVATION ON THE WEST SIDE OF CELL.

INSTALLED 36" RCP DRAWPIPE IN SWALE ON SOUTH SIDE OF CELL. COMPACTED BOTTOM OF EXCAVATION WITH POWER PACKERS.

CONTINUED TO UTILIZE COMPACTOR AS WATER TRUCK IN FACE CELL.

EXCAVATED MATERIAL FROM PIPE INSTALLATION WAS REMOVED AND DUMPED OUTSIDE THE BACKFILL LIMITS.

List of Subcontractors

HURLEY TRUCKING

List of Materials Delivered

FILL	0 CY	38,851 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	0 CY	543,944 CY
36" RCP	240 L.F.	400 L.F.

Field Representative [signature] Date 11 Apr 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

ONSITE 7am
OFFSITE 5:30pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 12 ~~Feb~~ April 2002 Contract Day: 162 Contract Duration: 248

Days Remaining: ~~_____~~ 86

Weather

Temperature: (AM) 67° (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

CAT 322 Excavator (I)	Sheepsfoot Roller (I)	
D6 Dozer (A)	Water Tanker (A)	
D5 Dozer (A)	4" Pump (I)	
Smooth Drum Roller (A)		

Personnel on site:

1	2	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Demobilized CAT 322 Excavator. Maso DT Dozer back to Borrow Pit.

Rolled and watered backfill in Cell area, concentrated on the side slopes of the west containment berm.

Continued to grade the area west of the cell outside the limits of excavation.

List of Subcontractors

-

List of Materials Delivered

Fill	0 Loads	38,851 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	0 cy	543,914 cy

Field Representative _____ Date 12 Apr 2002

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 05200020.02

Owner: Hillsborough County

Contractor: Nandex

Date: 13 Apr 2002 Contract Day: 163 Contract Duration: 248

Days Remaining: 85

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: rain

List of Equipment on site: (A) for active (I) for idle

D6 Dozer (I)	3" Pump (I)
Smooth Drum Roller (I)	D5 Dozer @ Pit (I)
Sheepsfoot Roller (I)	(2) Excavators @ Pit (I)
Water Tanker (I)	

Personnel on site:

0 No. of Superintendents

0 No. of Skilled

0 No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative _____ Date 13 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Nonoca

Date: 14 Apr 2002 Contract Day: 164 Contract Duration: 248

Days Remaining: 84

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: Partly cloudy, rain

List of Equipment on site: (A) for active (I) for idle

D6 Dozer (I)	3" Pump (I)
Smooth Drum Roller (I)	D5 Dozer @ Pit (I)
Sheepsfoot Roller (I)	(2) Excavators @ Pit (I)
Water Tanker (I)	

Personnel on site:

0 No. of Superintendents

0 No. of Skilled

0 No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative _____ Date 14 Apr 2002

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardy

Date: 15 Apr 2002 Contract Day: 165 Contract Duration: 248

Days Remaining: 83

Weather

Temperature: (AM) 65° (PM) 83° Rain: 4.0" Duration of rain: overweekend

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

D6 Dozer (A)	3" Pump (A)
Smooth Drum Roller (A)	6" Pump (A)
Sheepsfoot Roller (I)	D5 Dozer & Pit (A)
Water Tanker (I)	(2) Excavators & Pit (A)

Personnel on site:

1	2	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Mobilized 6" Pump to remove stormwater from sump area in cell. Also used 3" Pump to pump water outside of cell. Stormwater was discharged to perimeter swale which discharges to stormwater Basin "C". Installed ~~hay bales~~ hay bales on swale outfall to keep basin from being silted in.

Resumed hauling fill from Shelby Lakes Mine. Fill was placed along limits of excavation in the southwest corner. Fill was placed in 12-inch compacted lifts.

Dennis Brown onsite

List of Subcontractors

Hurley Trucking

List of Materials Delivered

6" Pump		
Fill	142 Loads	39,126 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	1988 cy	547,726 cy

Field Representative [signature] Date 15 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7am 0.5 hour lunch

Offsite 6pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion
Project number: 09200020.32
Owner: Hillsborough County
Contractor: Wanek
Date: 16 Apr 2002
Contract Day: 166
Contract Duration: 248
Days Remaining: 82

Weather
Temperature: (AM) 70° (PM) 85° Rain: - Duration of rain: -
Description of weather: Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

D6 Dozer (A)	6" Pump (A)
Smooth Drum Roller (I)	4" Pump (A)
Sheepsfoot Roller (I)	(2) Excavators @ Pit (A)
Water Tanker (I)	D5 Dozer @ Pit (A)

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	2

Description of Construction Activity

Continued to haul and place fill along western limits of excavation and NW corner. Fill was hauled from Shelley Lakes Mine. Fill placed in 12-in compacted lifts.

Continued to pump stormwater from cell to perimeter swale.

Staked out 50×200 area for test section for clay sub-base. Inspected area for unsuitables before placing fill material. Clay was spread using D6 Dozer. Material was wet, moisture content averaged 33% (oven tested by Burton). Uncompacted thickness ranged between 7 to 10 inches. Areas that were rutted due to trucks/equipment were rolled before pushing clay into those areas.

List of Subcontractors
Hurley Trucking
Burton Geotechnical

List of Materials Delivered

Fill	0 loads	39/26 loads
Clay	12 loads	12 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	cy	57,721 cy
Clay		

Field Representative [signature] Date 16 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

Onsite 7 am 0.5 hour lunch
Offsite 4:30 pm

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 17 Apr 2002 Contract Day: 167 Contract Duration: 248

Days Remaining: 81

Weather

Temperature: (AM) 70° (PM) 85° Rain: - Duration of rain: -

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

D6 Dozer (A)	6" Pump (A)	CAT 962 Loader (A)
Sheepsfoot Roller (A)	3" Pump (A)	
Smooth Drum Roller (A)	D5 Dozer @ Pit (A)	
Water Tanker (A)	(2) Excavators @ Pit (A)	

Personnel on site:

1	2	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Mobilized CAT 962 Front Loader.
Continued pumping stormwater from excavation.
Continued to haul fill from Shelley Lakes Mine. Fill was placed along western limits of excavation in 12-inch compacted lifts. Large hardpan boulders were broken up using the dozer or sheepsfoot roller.

Backfilled area washed out by side of shell road and drain pipe. Contractor staked several tires in drainage swale to slow down water and reduce the amount of erosion and reduce amount of sediment that is going to the stormwater ~~basement~~ basin.

Chaired weekly progress meeting.
C. Ruiz, R. Dever, D. Brown onsite

List of Subcontractors

Hurley Trucking
Burcon Geotechnical

List of Materials Delivered

Fill	269 loads	39,395 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	3,766 cy	551,530 cy

Field Representative [signature] Date 17 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION

Project number: 09202320.32

Owner: HILLSBOROUGH COUNTY

Contractor: 248

Date: 18 Apr 2002 Contract Day: 168 Contract Duration: 240

Days Remaining: 80

Weather

Temperature: (AM) 68° (PM) 84° Rain: - Duration of rain: -

Description of weather: MOSTLY SUNNY

List of Equipment on site: (A) for active (I) for idle

CAT D6 DOZER (A)	CAT 962 LOADER (A)	WATER TANKER (A)
CAT D5 DOZER (A)	6" PUMP (A)	
SMOOTH DRUM ROLLER (A)	3" PUMP (I)	
SHEEPSFOOT ROLLER (I)	(2) EXCAVATORS @ P.I.T (A)	

Personnel on site:

1	2	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CONTINUED HAULING FILL FROM SHELLEY LAKES MINE. FILL WAS PLACED IN NORTHWEST CORNER AND ALONG WESTERN LIMITS OF EXCAVATION. FILL WAS PLACED IN 12-INCH COMPACTED LIFTS. FILLING WAS COMPLETE IN THIS AREA WHEN FINAL DESIGN GRADES WERE REACHED. BEGAN HAULING APPROVED DRAINAGE SAND FROM SHELLEY LAKES MINE. SAND WAS STOCKPILED ON THE NORTH SIDE OF THE CELL OUTSIDE THE LIMITS OF THE LINER.

PENINSULA SURVEYING WAS ONSITE TO PLACE GRADE STAKES AND ELEVATION HUBS FOR CONTRACTOR TO USE WHEN RE-GRADING THE CELL BOTTOM.

CONTINUED PUMPING STORMWATER FROM CELL WEST OF THE CONTAINMENT BERM. DISCHARGE WAS THROUGH THE PERIMETER SWALE THAT DISCHARGES TO THE EXISTING STORMWATER BASIN.

List of Subcontractors

HURLEY TRUCKING

PENINSULA SURVEYING

List of Materials Delivered

FINE SAND	36 LOADS	36 LOADS
FILL	275 LOADS	39,670 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
FILL	3,850 LOOSE CY	555,380 CY

Field Representative [signature] Date 18 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion
Project number: 09200020.32
Owner: Hillsborough County
Contractor: Hanson
Date: 19 Apr 2002 Contract Day: 169 Contract Duration: 248
Days Remaining: 79
Weather
Temperature: (AM) 72° (PM) 87° Rain: - Duration of rain: -
Description of weather: Mostly Clear
List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Sheepsfoot Roller (I)	
CAT D8 Dozer (A)	6" Pump (A)	
CAT 962 Loader (A)	3" Pump (I)	
Smooth Drum Roller (A)	Water Tanker (A)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	3

Description of Construction Activity
Continued to haul and stockpile approved drainage sand from Shelley Cokes Mine.

Contractor hauled 1 load of sand/clay mixture from approved clay borrow pit, and 1 load of sand/clay mix from onsite stockpiles. The material is intended to be used for clay sub-base. Both samples were mixed using a tractor-mounted rototiller. 3 samples were taken from each pile by Burgon Geotechnical for qualification testing.

Began regrading side slopes and cell bottom fill to meet design elevations

Peninsula Survey onsite to continue placing grade stakes and nubs.

Removed clay material from cell bottom in test pad area.

List of Subcontractors
Nulley Trucking
Burgon Geotechnical
Peninsula Surveying

List of Materials Delivered

Sand	233 loads	269 loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-	-	-

Field Representative [signature] Date 19 Apr 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.39

Owner: Hillsborough County

Contractor: Hardy

Date: 20 Apr 2002 Contract Day: 170 Contract Duration: 248

Days Remaining: 78

Weather

Temperature: (AM) 67° (PM) 86° Rain: - Duration of rain: -

Description of weather: partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (A)	(2) Excavators @ Pit (I)
CAT D5 Dozer (A)	Sheepsfoot Roller (I)	
CAT 962 Loader (A)	6" Pump (A)	
Water Tanker (A)	3" Pump (I)	

Personnel on site:

1	3	16
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued to regrade cell bottom contours and sideslopes. Operated smooth drum roller and water tanker to help in compaction.

Continued to pump stormwater into perimeter swale.

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 20 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 01200026.32

Owner: Hillsborough County

Contractor: Hayden

Date: 24 Apr 2002 Contract Day: 176 Contract Duration: 248

Days Remaining: ~~85~~ 77

Weather

Temperature: (AM) ~ (PM) ~ Rain: Duration of rain: ~

Description of weather:

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (I)	(2) Excavators @ Pit (I)
CAT D5 Dozer (I)	Sheepsfoot Roller (I)	
CAT 962 Loader (I)	6" Pump (I)	
Water Tanker (I)	8" Pump (I)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
0	0	0

Description of Construction Activity

No Activity

List of Subcontractors

Hauling Inc

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 24 Apr 2002

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hoover

Date: 22 Apr 2002 Contract Day: 172 Contract Duration: 248

Days Remaining: 76

Weather

Temperature: (AM) 67° (PM) 86° Rain: - Duration of rain: -

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (A)	(2) Excavators @ Pit (A)
CAT D5 Dozer (A)	Sheepsfoot Roller (I)	
CAT 962 Loader (A)	6" Pump (I)	
Water Tanker (A)	3" Pump (A)	

Personnel on site:

1 (3)	4	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Resumed re-grooving of cell bottom using loser and survey control. Hauled fill from Shelley Lakes Mine to fill low spots. Fill was placed in 12 inch compacted lifts.

Continued to stockpile drainage sand from Shelley Lakes Mine.

Peninsula Surveying onsite placing grade control stakes.

Used 3" pump to remove remainder of water from sump area.

List of Subcontractors

Hurley Trucking

Peninsula Surveying

List of Materials Delivered

Sand	196 loads	465 loads
Fill	loads	loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Fill	cy	cy

Field Representative _____ Date 22 Apr 2002

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hanlex

Date: 23 Apr 2002 Contract Day: 173 Contract Duration: 248

Days Remaining: 75

Weather

Temperature: (AM) 65° (PM) 85° Rain: - Duration of rain: -

Description of weather: Mostly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 DOZER (A)	SMOOTH DRUM ROLLER (A)	(2) EXCAVATORS & PIT (A)
CAT D5 DOZER (A)	SHEEPSFOOT ROLLER (I)	
CAT 962 LOADER (A)	6" PUMP (I)	
WATER TANKER (A)	3" PUMP (I)	

Personnel on site:

1	3	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CONTINUED TO GRADE CELL BOTTOM AND SIDESLOPES. CONCENTRATED IN SE CORNER AND ALONG EAST WALL OF CELL.

HANLEX APPROVED DRAINAGE SAND FROM SHELLEY CARLISS MINE. STOCKPILED ON NORTH SIDE OF EXCAVATION.

PENINSULA ONSITE TO CONTINUE PLACING GRADE CONTROL STAKES.

List of Subcontractors

HURLEY TRUCKING

PENINSULA SURVEYING

List of Materials Delivered

SAND	204 LOADS	669 LOADS

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 23 Apr 2002

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 24 Apr 2002 Contract Day: 174 Contract Duration: 248

Days Remaining: 74

Weather

Temperature: (AM) 67° (PM) 75° Rain: - Duration of rain: -

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Sheepsfoot Roller (I)	(2) Excavators @ Pit (A)
CAT D5 Dozer (A)	Water Tanker (A)	
CAT 962 Loader	6" Pump (I)	
Smooth Drum Roller (A)	3" Pump (I)	

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Contractor continued to grade cell bottom and sideslopes. Used laser grading system to attain proper grades. Maintained moisture by using water tanker.

Excess fill material was trucked to outside the western limits of excavation.

Continued to haul approved drainage sand material. Material was stockpiled on the north side just outside the liner limits.

List of Subcontractors

Hurley Trucking

List of Materials Delivered

Sand	185 Loads	854 Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 24 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hondex

Date: 25 Apr 2002 Contract Day: 175 Contract Duration: 248

Days Remaining: 73

Weather

Temperature: (AM) 66° (PM) 84° Rain: - Duration of rain: -

Description of weather: Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (A)	12) Excavator Pit (A)
CAT D5 Dozer (A)	Sheepsfoot Roller (I)	
CAT 962 Loader (A)	6" Pump (I)	
Water Tanker (A)	3" Pump (I)	

Personnel on site:

1	4	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued to regrade cell bottom. Concentrated on area in middle of cell. Extra fill material was removed from cell and placed outside the limits of excavation.

Peninsula Surveying returned to perform the certification survey. Survey was performed on a 50 ft grid beginning along the eastern limits of construction.

List of Subcontractors

Hurley Trucking

Peninsula Surveying

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative _____ Date 25 Apr 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hondex

Date: 26 Apr 2002 Contract Day: 176 Contract Duration: 248

Days Remaining: 72

Weather

Temperature: (AM) 65° (PM) 86° Rain: – Duration of rain: –

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (A)	(C) Excavators @ Pit (A)
CAT D5 Dozer (A)	Sheepsfoot Roller (I)	
CAT 962 Loader (A)	6" Pump (I)	
Water Tanker (A)	3" Pump (I)	

Personnel on site:

1	4	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued to grade cell bottom and side slopes re-excavated the sump area. Location was staked by surveyors. Excess material was moved from cell to outside the limits of excavation.

Prepared a sand/clay mixture for sub-base qualification testing. Clay material was from Phillips: Jinoni Borrow Pit, and sand was stockpiled onsite from Shelley Lakes. Prepared an approximate 60% clay/40% sand mix. Mixing was done with a tractor-mounted roto-tiller.

Burcon Geotechnical was onsite to retreives samples of the clay/sand mix for qualification testing.

List of Subcontractors

Hurley Trucking

Peninsula Surveying

Burcon Geotechnical

List of Materials Delivered

–

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
–		

Field Representative [signature] Date 26 Apr 2002

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hondex

Date: 27 Apr 2002 Contract Day: 177 Contract Duration: 248

Days Remaining: 71

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Sheepsfoot Roller (I)	(2) Excavators CAT (I)
D5 Dozer (I)	Water Tanker (I)	
962 Loader (I)	6" Pump (I)	
Smooth Drum Roller (I)	3" Pump (I)	

Personnel on site:

0 No. of Superintendents

0 No. of Skilled

0 No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative _____ Date 27 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section II Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Nonce

Date: 28 Apr 2002 Contract Day: 178 Contract Duration: 248

Days Remaining: 70

Weather

Temperature: (AM) _____ (PM) _____ Rain: — Duration of rain: —

Description of weather: Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)	(2) Excavators @ Pit (I)
CAT D5 Dozer (I)	Sheepsfoot Roller (I)	
CAT 962 Loader (I)	6" Pump (I)	
Water Tanker (I)	3" Pump (I)	

Personnel on site:

0 No. of Superintendents

0 No. of Skilled

0 No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative _____ Date 28 Apr 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hondex

Date: 29 Apr 2002 Contract Day: 179 Contract Duration: 248

Days Remaining: 69

Weather

Temperature: (AM) 68° (PM) 88° Rain: - Duration of rain: -

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (A)	(2) Excavators @ Pit (A)
CAT D5 Dozer (A)	Sheepsfoot Roller (I)	
CAT 962 Loader (A)	6" Pump (I)	
Water Tanker (A)	3" Pump (I)	

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Resumed hauling approved drainage sand from Shelley Lakes Mine. Material was stockpiled onsite to the north of the excavation.

Continued to operate water tanker and smooth drum roller within the soil limits in order to maintain compaction and soil moisture content.

Ardaman was onsite at SCS' request to perform QA testing. Performed 13 in-place density tests on the final grade within the liner limits. Also took 4 samples from drainage sand stockpile for laboratory gradation analyses.

List of Subcontractors

Hurley Trucking

Ardaman & Assoc.

List of Materials Delivered

Sand — loads — loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative _____ Date _____

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

Ardaman & Associates, Inc.

Geotechnical, Environmental and
Materials Consultants

3925 Coconut Palm Drive, Suite 115
Tampa, Florida 33619
(813) 620-3389

DAILY FIELD REPORTS

oject: Southeast Landfill File No.: 02-9409 Time Arrived: 10:15

cation: Section 1 Expansion Date: 4/29/02 Time Departed: 12:25

ient: SCS Engineers Weather: CLEAR Standby Time:

n-site to perform IPD's on final grade, expansion
roject.

	N	E		% Compaction
)	1251024	599255	=	100+
)	1251248	599263	=	100+
	1251573	599380	=	100+
)	1251495	599210	=	98.1%
	1251169	599026	=	99.5%
	1251117	598857	=	96.9%
)	1251242	598836	=	100+
)	1251497	598861	=	100+
)	1251691	599050	=	100+
)	1251670	598868	=	100+
)	1251443	598744	=	97.9%
2)	1251276	598581	=	100+%
3)	1251596	598759	=	96%

Collected 4# bag samples for lab sieve analysis from On-site S/pile "1 tan / tan / 1 tr brn f. sa & occ / trace h/pan."

Travel Time: 1½ hours Client's Rep.:

Mileage: 60 Ardaman & Associates:

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Honeck

Date: 30 Apr 2002 Contract Day: 180 Contract Duration: 248

Days Remaining: 68

Weather

Temperature: (AM) 68° (PM) 87° Rain: - Duration of rain: -

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (A)	(2) Excavators & Pit (A)
CAT D5 Dozer (A)	Sheepsfoot Roller (I)	
CAT 962 Loader (A)	6" Pump (I)	
Water Tanker (A)	3" Pump (I)	

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Continued to haul approved drainage sand from Shelley Lantz Mine. Sand was stockpiled to the north of the excavation

Operated smooth-drum roller and water-tanker to maintain soil moisture and compaction

List of Subcontractors

Hurley Trucking

List of Materials Delivered

Sand	Loads	Loads

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative _____ Date _____

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hondex

Date: 1 May 2002 Contract Day: 181 Contract Duration: 248

Days Remaining: 67

Weather

Temperature: (AM) 67° (PM) 86° Rain: -- Duration of rain: --

Description of weather: Partly cloudy, windy PM

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)	(2) Excavators @ Pit (I)
CAT D5 Dozer (I)	Sheepsfoot Roller (I)	
CAT 962 Loader (I)	6" Pump (I)	
Water Tanker (I)	3" Pump (I)	

Personnel on site:

1 No. of Superintendents

0 No. of Skilled

1 No. of Laborers

Description of Construction Activity

Performed general housekeeping duties around site.

Attended weekly construction progress meeting

Dennis Brown, Larry Ruiz onsite for progress meeting.

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 1 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hondex

Date: 2 May 2002 Contract Day: 182 Contract Duration: 248

Days Remaining: 66

Weather

Temperature: (AM) 67° (PM) 87° Rain: — Duration of rain: —

Description of weather: Mostly sunny, partly cloudy PM

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)	
CAT D5 Dozer (I)	Sheepsfoot Roller (I)	
CAT 962 Loader (I)		
Water Tanker (I)		

Personnel on site:

1 No. of Superintendents

0 No. of Skilled

0 No. of Laborers

Description of Construction Activity

Burcon was on site to pick up 2 samples of clay and 2 samples of sand for the sub-basement mixture. The materials will be returned to Burcon Lab for testing.

List of Subcontractors

Burcon Geotechnical

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 2 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 3 May 2002 Contract Day: 183 Contract Duration: 248

Days Remaining: 65

Weather

Temperature: (AM) 68° (PM) 91° Rain: — Duration of rain: —

Description of weather: Mostly sunny

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)	
CAT D5 Dozer (I)	Sheepsfoot Roller (I)	
CAT 962 Loader (I)	3" Pump (I)	
Water Trailer (I)	(2) Excavators @ Pit (I)	

Personnel on site:

1	#1	#3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Demobilized 6" pump.

Performed minor site housekeeping/maintenance

Peninsular Surveying was onsite to check the backfill grades in the SE cell and to resurvey the sump area.

List of Subcontractors

Peninsular Surveying

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 3/May/2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 4 May 2002 Contract Day: 184 Contract Duration: 248

Days Remaining: 64

Weather

Temperature: (AM) 72° (PM) 91° Rain: - Duration of rain: -

Description of weather: Mostly Sunny

List of Equipment on site: (A) for active (I) for idle

DL Dozer (I)	Smooth Drum Roller (I)	
DJ Dozer (I)	Sheepsfoot Roller (I)	
962 Loader (I)	3" Pump (I)	
Water Tanker (I)	(2) Excavators @ Pit (I)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
ϕ	ϕ	ϕ

Description of Construction Activity

No Activity

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 4 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 5 May 2002 Contract Day: 185 Contract Duration: 248

Days Remaining: 63

Weather

Temperature: (AM) 91° (PM) 91° Rain: - Duration of rain: -

Description of weather: Mostly Sunny

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)
CAT D5 Dozer (I)	Sheepsfoot Roller (I)
CAT 962 Loader (I)	Skid (I)
Water Tanker (I)	(2) Excavators @ Pit

Personnel on site:

0 No. of Superintendents

4 No. of Skilled

4 No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 5 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 6 May 2002 Contract Day: 186 Contract Duration: 248

Days Remaining: 62

Weather

Temperature: (AM) 72° (PM) 92° Rain: — Duration of rain: —

Description of weather: Mostly Sunny

List of Equipment on site: (A) for active (I) for idle

CAT DK Dozer (I)	Smooth Drum Roller (I)
CAT D5 Dozer (I)	Sheepsfoot Roller (I)
CAT 962 Loader (I)	(2) Excavators CAT (I)
Water Tanker (I)	

Personnel on site:

1 No. of Superintendents

0 No. of Skilled

0 No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 6 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 7 May 2002 Contract Day: 187 Contract Duration: 248

Days Remaining: 7m 61

Weather

Temperature: (AM) 70 (PM) 93° Rain: - Duration of rain:

Description of weather: mostly sunny

List of Equipment on site: (A) for active (I) for idle

Cat D6 Dozen (I)	Smooth Drum Roller (I)	
Cat D5 Dozen (I)	Sheepsfoot Roller (I)	
Cat 962 Loader (I)	(2) Excavators @ Pit (I)	
Water Tanker (I)		

Personnel on site:

1	0	0
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 7 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Wanoex

Date: 8 May 2002 Contract Day: 188 Contract Duration: 248

Days Remaining: 60

Weather

Temperature: (AM) 69° (PM) 92° Rain: - Duration of rain: -

Description of weather: mostly sunny

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)	
CAT D5 Dozer (I)	Sheepsfoot Roller (I)	
CAT 962 Loader (I)	(2) Excavators @ Pit (I)	
Water Tanker (I)		

Personnel on site:

1	∅	∅
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Held conference call w/ D. Brown, B. Earlen, and L. Glossio. Discussed the submittal of of clay conformance tests.

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 8 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Wanoosa

Date: 9 May 2002 Contract Day: 189 Contract Duration: 248

Days Remaining: 59

Weather

Temperature: (AM) 71° (PM) 93° Rain: - Duration of rain: -

Description of weather: Mostly Sunny

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)
CAT D5 Dozer (I)	Sheepsfoot Roller (I)
CAT 963 Loader (I)	(2) Excavators @ Pit (I)
Water Tanker (I)	

Personnel on site:

1 No. of Superintendents

0 No. of Skilled

4 No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 9 May 2002

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SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Williamsburgh County

Contractor: Wonder

Date: 10 May 2002 Contract Day: 190 Contract Duration: 248

Days Remaining: 58

Weather

Temperature: (AM) 69° (PM) 94° Rain: - Duration of rain: -

Description of weather: mostly sunny

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozen	Smooth Drum Roller (A)	
CAT D5 Dozen	Sheepsfoot Roller (I)	
CAT 962 Loader	(2) Excavators @ Pit (I)	
Water Tanker (A)		

Personnel on site:

1	3	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Operated water tanker and Smooth Drum Roller to maintain backfill moisture and compaction

Peninsula survey was onsite to confirm backfill elevations in SE corner of cell.
Also staked and located area for test section.

List of Subcontractors

Peninsula Surveying

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 10 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Solvent Capacity Expansion

Project number: 09000020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 11 May 2002 Contract Day: 191 Contract Duration: 248

Days Remaining: 57

Weather

Temperature: (AM) 68° (PM) 93° Rain: - Duration of rain: -

Description of weather: mostly sunny

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Submersible Pump (I)
CAT D5 Dozer (I)	Submersible Pump (I)
CAT 963 Loader (I)	2) Excavators & Pit (I)
Water Tanker (I)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
ϕ	ϕ	ϕ

Description of Construction Activity

No Activity

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 11 May 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09260020.32

Owner: Hillsborough County Contractor: Hoses

Date: 12 May 2002 Contract Day: 192 Contract Duration: 248

Days Remaining: 56

Weather

Temperature: (AM) 67° (PM) 91° Rain: - Duration of rain: -

Description of weather: mostly clear

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)	
CAT D5 Dozer (I)	Sheepsfoot Roller (I)	
CAT 962 Loader (I)	(2) Excavators @ Pit (I)	
Water Truck (I)		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
ø	ø	ø

Description of Construction Activity

No Activity

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 13 May 2002

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 13 May 2002 Contract Day: 193 Contract Duration: 248

Days Remaining: 55

Weather

Temperature: (AM) 70° (PM) 93° Rain: - Duration of rain: -

Description of weather: mostly sunny, windy PM

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (A)	
CAT D5 Dozer (A)	Sheepsfoot Roller (I)	
CAT 912 Loader (A)	John Deere Tractor w/ Tiller	
Water Tanker (A)		

Personnel on site:

1	3	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Regraded area to the west of the west containment berm. Repaired side slopes and bottom grades.

Resumed operative water tanker and smooth drum roller to maintain compaction

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 13 May 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hanover

Date: 14 May 2002 Contract Day: 194 Contract Duration: 248

Days Remaining: 54

Weather

Temperature: (AM) 70° (PM) 92° Rain: - Duration of rain: -

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (A)	
CAT D5 Dozer (A)	Sheepsfoot Roller (A)	
CAT 926 Loader (A)	Deere Tractor w/ Tiller (A)	
Water Tanker (A)	Deere Tractor w/ Discs (A)	

Personnel on site:

1	4	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Begin installation of clay sub-base test section. Hauled clay material from Phillips Jordan Borrow source and sand from onsite stockpile. Placed clay 6 inches thick w/ dozer and sand 2 inches thick on top of clay. Mixed sand and clay using tractor with tiller attachment. Made 3 passes over entire area. ~~Mobilized~~ Mobilized tractor w/ discs to try and dry material. Made a total of 6 passes w/ discs and 8 passes w/ mixer. Compacted clay w/ 4 passes of sheepsfoot and 4 passes of smooth drum. Sub-base was still moist and yielding. Burcon took several moisture content tests. Tests ranged from 21% to 24% moisture

Used water tanker and rollers to maintain compaction and control dust.

D. Brown onsite.

D. Brown onsite

List of Subcontractors

Hurley Trucking

Burcon Geotechnical

List of Materials Delivered

clay	loads	cy.

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base test section	10,000 sf.	10,000 sf.

Field Representative [signature] Date

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION
Project number: 09200020.32
Owner: HILLSBOROUGH COUNTY
Contractor: HOLNER
Date: 15 May 2002 Contract Day: 198 Contract Duration: 248
Days Remaining: 53
Weather
Temperature: (AM) 69° (PM) 88° Rain: - Duration of rain: -
Description of weather: PARTLY CLOUDY
List of Equipment on site: (A) for active (I) for idle

CAT D6 DOZER (A)	SMOOTH DRUM ROLLER (A)
CAT D6 DOZER (I)	SHEEPSFOOT ROLLER (I)
CAT 962 LOADER (A)	JOHN DEERE TRACTOR W/ TILLER (A)
WATER TANKER (I)	JOHN DEERE TRACTOR W/ DISCS (A)

Personnel on site:
1 No. of Superintendents
5 No. of Skilled
3 No. of Laborers

Description of Construction Activity

CONTRACTOR USED DISC ON SOIL SUB-BASE FOR 1 PASS, DID NOT MIX FOR ONE PASS. THEN USED SHEEPSFOOT AND SMOOTH DRUM ROLLERS FOR 2 PASSES EACH. MATERIAL WAS MORE STIFF BUT STILL YIELDING AND WITH HIGH MOISTURE CONTENT. HOLNER USED LOADER TO PROBE STOCKPILE FOR SUITABLE MATERIAL. MIXED 4 BUCKET LOADS OF MATERIAL W/ TRACTOR. BURLAN TOOK 3 SAMPLES OF MATERIAL TO LAB FOR TESTING.

THAT I INSPECTED AND RECORDED INFORMATION ON LEACHATE COLLECTION PUMPS. ALL PUMPS, AND APPURTENANCES ARE LABELED W/ SERIAL #'S / TAGS FOR IDENTIFICATION.

ATTENDED WEEKLY PROGRESS MEETING. L. RUIZ AND D. BRAUN ONSITE
BEGAN REMOVING 36" RCP FROM STORMWATER SWALE AND STOCKPILING IN AREA DESIGNATED BY COUNTY.

List of Subcontractors
BURLAN GEOTECHNICA

List of Materials Delivered
-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative _____ Date _____

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section II Capacity Expansion Project number: 09200020.02

Owner: Hillsborough County Contractor: Wonder

Date: 16 May 2002 Contract Day: 196 Contract Duration: 248

Days Remaining: 52

Weather

Temperature: (AM) 69° (PM) 89° Rain: - Duration of rain: -

Description of weather: Partly cloudy, PM shower

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer ( )	Scraper Pan Rental (A)	
CAT D5 Dozer ( )	Scraper Pan Rental (A)	
CAT 962 Loader (A)	John Deere Tractor (I)	
Water Tanker (A)	John Deere Tractor (I)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	3

Description of Construction Activity

Removed remaining 36" RCP from stormwater swale and stockpiled in area directed by County.

Continued to operate water tanker and rollers to maintain capacity and control dust.

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 16 May 02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 17 May 2002 Contract Day: 197 Contract Duration: 248

Days Remaining: 51

Weather

Temperature: (AM) 67° (PM) 90° Rain: — Duration of rain: —

Description of weather: Partly cloudy, pm showers

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer ( )	Smooth Drum Roller ( )	
CAT D5 Dozer ( )	Sheepsfoot Roller ( )	
CAT 962 Loader ( )	John Deere Tractor w/ Tiller ( )	
Water Tanker ( )	John Deere Tractor w/ Disc ( )	

Personnel on site:

1	2	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Rough side slopes of west containment berm w/ smooth drum rollers. Used water truck to distribute water during backfill.

Performed general site maintenance and housekeeping.

Receiving remaining MQC certificates for rest of geomembrane.

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative _____ Date 17 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Honeck

Date: 18 May 2002 Contract Day: 198 Contract Duration: 248

Days Remaining: 50

Weather

Temperature: (AM) – (PM) – Rain: – Duration of rain: –

Description of weather: Partly cloudy, rain showers

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)	Deere Tractor w/ Disc (I)
CAT D5 Dozer (I)	Sheepsfoot Roller (I)	
CAT 962 Loader (I)	3" Pump (I)	
Water Tanker (I)	Deere Tractor w/ Tiller (I)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
∅	∅	∅

Description of Construction Activity

No Activity

List of Subcontractors

–

List of Materials Delivered

–

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
–		

Field Representative [signature] Date 18 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.30

Owner: Hillsborough County

Contractor: Hanson

Date: 19 May 2002 Contract Day: 199 Contract Duration: 248

Days Remaining: 49

Weather

Temperature: (AM) _____ (PM) _____ Rain: 1.6" over weekend Duration of rain: —

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)	3" Pump (I)
CAT D7 Dozer (I)	Sheepsfoot Roller (I)	
CAT 962 Loader (I)	JD Tractor w/ Tiller (I)	
Water Tanks (I)	JD Tractor w/ Discs (I)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	0	0

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative _____ Date 19 May 2002

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SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 20 May 2002 Contract Day: 200 Contract Duration: 248

Days Remaining: 48

Weather

Temperature: (AM) 64° (PM) 84° Rain: — Duration of rain: —

Description of weather: Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)	3" Pump (A)
CAT D5 Dozer (I)	Sheepsfoot Roller (I)	3" Pump (A)
CAT 762 Dozer (I)	Deere Tractor w/ Discs (I)	
Water Tanker (I)	Deere Tractor w/ Tiller (I)	

Personnel on site:

1	3	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Performed general site maintenance and housekeeping duties

Pumped stormwater from sump area inside cell. Also pumped water trapped in northeast corner outside limits of liner.

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 20 May 2002

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SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HOWARD

Date: 21 May 2002 Contract Day: 201 Contract Duration: 248

Days Remaining: 47

Weather

Temperature: (AM) 65° (PM) 84° Rain: - Duration of rain: -

Description of weather: SUNNY AND CLEAR, PARTLY CLOUDY PM

List of Equipment on site: (A) for active (I) for idle

CAT D6 DOZER (I)	SMOOTH DRUM ROLLER (I)	5" PUMP (I)
CAT D6 DOZER (I)	SHEEPSFOOT ROLLER (I)	3" PUMP (I)
CAT 950 LOADER (I)	DEERE TRACTOR W/ DISCS (I)	
WATER TANKER (I)	DEERE TRACTOR W/ TINES (I)	

Personnel on site:

1 No. of Superintendents 8 No. of Skilled 8 No. of Laboiers

Description of Construction Activity

NO ACTIVITY

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 21 May 2002

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SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 22 May 2002 Contract Day: 202 Contract Duration: 248

Days Remaining: 46

Weather

Temperature: (AM) 66° (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (A)	Deere Tractor w/ Mower (I)
CAT D5 Dozer (A)	Sheepsfoot Roller (I)	Dump Truck (A)
CAT 962 Loader (A)	(2) 3" Pump (I)	
Water Tanker (A)	Deere Tractor w/ Discs (I)	

Personnel on site:

1	4	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Removed test pad from cell bottom. Material was hauled to top of active landfill and stockpiled for use as intermediate cover by Waste Management.

Completed area where test pad was located

List of Subcontractors

Hurley Trucking

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative _____ Date _____

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SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion

Project number: 09260020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 23 May 2002 Contract Day: 203 Contract Duration: 248

Days Remaining: 45

Weather

Temperature: (AM) 65° (PM) 87° Rain: - Duration of rain: -

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (A)	(2) 3" Pump (I)
CAT D5 Dozer (I)	Sheepsfoot Roller (I)	
CAT 762 Loader (A)	Dozer Tractor w/ Disc (I)	
Water Tanker (A)	Dozer Tractor w/ Tiller (I)	

Personnel on site:

1	2	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Used water tanker and smooth drum roller to compact cell bottom and maintain soil moisture content

Stockpiled excavated material for use in test pad for sub-base

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 23 May 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 092000026.32

Owner: Hillsborough County

Contractor: Hanover

Date: 24 May 2002 Contract Day: 204 Contract Duration: 248

Days Remaining: 44

Weather

Temperature: (AM) 67° (PM) 90° Rain: – Duration of rain: –

Description of weather: mostly sunny, some PM clouds

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (A)	Smooth Drum Roller (A)	Deere Tractor w/ Tiller (A)
CAT D5 Dozer (I)	Sheepsfoot Roller (A)	
CAT 962 Loader (A)	(c) 3" Pump (I)	
Water Tanker (A)	Deere Tractor w/ Disc (A)	

Personnel on site:

1	2	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hauled material from stockpile to test pad area. Clay material was spread using CAT D6 Dozer in 8" uncompacted lift. Conducted 2 passes with tractor w/ Tiller to mix sand and clay uniformly. Performed 1 pass w/ sheepsfoot and 1 pass w/ smooth drum rollers. Material did not appear uniform. Made 3 passes with disc and allowed the material to dry. Made 2 more passes with mixer. Made 2 more passes w/ disc. Rolled test pad with 2 passes of sheepsfoot roller followed by 2 passes of smooth drum.

Burcan took 5 in-place density tests using drive sleeve method. Retrieved 5 samples at same locations for permeability testing. Patched and repaired all holes made in pad.

Ardaman took 1 sample for perm testing and 3 in-place density tests w/ nuke gauge.

S Carpenter - Van Dorn Site

List of Subcontractors

Burcan Geotechnical

Ardaman & Assoc.

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
50' x 200' Test Pad		

Field Representative [signature] Date 24 May 2002

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Ardaman & Associates, Inc.

Geotechnical, Environmental and Materials Consultants

3925 Coconut Palm Drive, Suite 115
Tampa, Florida 33619
(813) 620-3389

DAILY FIELD REPORTS

ct: S/L Landfill | File No.: 02-9409 | Time Arrived: 09:45

tion: Section 1 expansion | Date: 5/24/02 | Time Departed: 17:00

t: SCS Engineers Inc | Weather: Clear | ~~Standby Time:~~ Lunch - 3/4 hr

On-site to observe placement of 1 # 50 x 200' test strip of material to be placed below liner to above L landfill section 1 expansion.

aterial = gr/br med-f sl si sa & olive clay (CH)

laced = 8" deep @ spread

olling = 4 pass sheepsfoot, 4 pass steel wheel

Clay balls & mid-friable lumps eventually worked out by adding 4 pass tiller & 5 pass disc to cut & spread out clay lumps.

5 " locations specified to test, 3 & 5 tested by Burcaw. Contractor's rep: 1, 2 & 4 tested by A&A and Burcaw.

1 = 104.2 pcf dry @ 15.3 = 95.2 = 105.6 pcf
2 = 107.6 pcf dry @ 16.6 = 101.9 "
4 = 104.6 pcf dry @ 16.0 = 99.1 "

Perm from bar 42

ravel Time: 1 1/2 hours | Client's Rep.: See page 2

lileage: 60 miles | Ardaman & Associates:

Ardaman & Associates, Inc.

Geotechnical, Environmental and
Materials Consultants

3925 Coconut Palm Drive, Suite 115
Tampa, Florida 33619
(813) 620-3389

DAILY FIELD REPORTS

ect: Continued from page File No.: 1 Time Arrived:

ation: Date: Time Departed:

nt: Weather: Standby Time:

Noted finish roll dress better when steel wheel roller speed limited to approx 4 mph. Better removes marks from sheepsfoot roller @ > 4 mph.

Uniformity / homogeneity noted during placement of material @ 150' x 200' strip

ravel Time:

Mileage:

Client's Rep.:

Ardaman & Associates:

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 25 May 2002 Contract Day: 205 Contract Duration: 248

Days Remaining: 43

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Cat D6 Dozer (I)	Sheepsfoot Roller (I)	Deere Tractor w/ Tiller (I)
Cat D5 Dozer (I)	Smooth Drum Roller (I)	
Cat 962 Loader (I)	(2) 3" Pump (I)	
Water Tanker (I)	Deere Tractor w/ Discs	

Personnel on site:

∅	∅	∅
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 25 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 0920002032

Owner: Hillsborough County

Contractor: Nondet

Date: 26 May 2002 Contract Day: 206 Contract Duration: 248

Days Remaining: 42

Weather

Temperature: (AM) - (PM) - Rain: - Duration of rain:

Description of weather:

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Sheepsfoot Roller (I)	Deere Tractor w/ Tiller (I)
CAT D5 Dozer (I)	Smooth Drum Roller (I)	
CAT 962 Loader (I)	3" Pump (2) (I)	
Water Tanker (I)	Deere Tractor w/ Discs (I)	

Personnel on site:

∅	∅	∅
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 26 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 92000[illegible]

Owner: Hillsborough County

Contractor: Hardex

Date: 27 May 2002 Contract Day: 207 Contract Duration: 248

Days Remaining: 41

Weather

Temperature: (AM) — (PM) — Rain: Duration of rain: —

Description of weather: —

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Sheepsfoot Roller (I)	Deere Tractor w/ Tiller (I)
CAT D5 Dozer (I)	Smooth Drum Roller (I)	
CAT 962 Loader (I)	(2) 3" Pump (I)	
Water Tanker (I)	Deere Tractor w/ Disc (I)	

Personnel on site:

∅	∅	∅
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

No Activity — Legal Holiday

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 27 Mar 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.22

Owner: Hillsborough County

Contractor: Hanson

Date: 28 May 2002 Contract Day: 208 Contract Duration: 248

Days Remaining: 40

Weather

Temperature: (AM) 70° (PM) 90° Rain: 0 Duration of rain: -

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller	Deere Tractor & Tiller (I)
CAT D5 Dozer (I)	Sheepsfoot Roller	
CAT 962 Loader (I)	3" Pump (I)	
Water Tanker (I)	Deere Tractor & Discs (I)	

Personnel on site:

1	0	0
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 28 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hondex

Date: 29 May 2002 Contract Day: 209 Contract Duration: 248

Days Remaining: 39

Weather

Temperature: (AM) 66° (PM) 88° Rain: - Duration of rain: -

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller (I)
CAT D5 Dozer (I)	Sheepsfoot Roller (I)
Water Tanker (I)	(2) 3" Pump (I)
CAT 962 Loader (I)	Deere Tractor w/ Discs (I)

Personnel on site:

1 No. of Superintendents

0 No. of Skilled

0 No. of Laborers

Description of Construction Activity

No Activity

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
-		

Field Representative [signature] Date 29 May 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 30 May 2002 Contract Day: 210 Contract Duration: 248

Days Remaining: 38

Weather

Temperature: (AM) 71° (PM) 92° Rain: 0.5" Duration of rain: 1/2 HR

Description of weather: PARTLY CLOUDY PM RAIN

List of Equipment on site: (A) for active (I) for idle

CAT D6 DOZER (A)	SMOOTH DRUM ROLLER (I)	
CAT D5 DOZER (A)	SHEEPSFOOT ROLLER (I)	
CAT 962 LOADER (I)	(2) 3" PUMP (I)	
WATER TRUCK (A)	DOZER TRACTION W/ DISCS (A)	

Personnel on site:

1	3	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

ROAD AND WESTERN CELL.

USED DOZERS AND TRACTION W/ DISCS TO PREPARE SAND/CLAY MIX. USED DOZERS TO SPREAD 12" OF SAND AND CLAY THEN MIXED WITH 4 PASSES OF DISC. THEN PUSHED ANOTHER 12" OF SAND/CLAY AND 4 MORE PASSES OF DISC.

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative _____ Date 30 May 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION I CAPACITY EXPANSION

Project number: 09202021.32

Owner: HILLSBOROUGH COUNTY

Contractor: HONDEX

Date: 31 May 2002 Contract Day: 211 Contract Duration: 248

Days Remaining: 37

Weather

Temperature: (AM) 71° (PM) 90° Rain: - Duration of rain: -

Description of weather: PARTLY CLOUDY

List of Equipment on site: (A) for active (I) for idle

CAT D5 DOZER (A)	SMOOTH DRUM ROLLER (A)
CAT D6 DOZER (A)	SHEEPSFOOT ROLLER (I)
CAT 962 LOADER (I)	(2) 3" PUMP (I)
WATER TANKER (A)	DUMP TRUCK / DISC (A)

Personnel on site:

1	4	23
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CONTINUED TO PROCESS SAND/CLAY MIX FOR SUB-BASE INSTALLATION

CAPPED CELL BOTTOM USING SMOOTH DRUM ROLLER

CLEANED UP AREA AROUND LINER STOCKPILE.

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative [signature] Date 31 May 2002

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200220.32

Owner: Hillsborough County Contractor: Hanson

Date: 1 June 2002 Contract Day: 212 Contract Duration: 248

Days Remaining: 36

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer (I)	Smooth Drum Roller	A
CAT D5 Dozer ( )	Sheepsfoot Roller	
CAT 962 Loader ( )	(2) 3" Pump (I)	
Water Tanker (A)	Deere Tractor w/ Disc	

Personnel on site:

1	1	
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Dennis Dupont on site for Orientation. Dennis Brown and Larry Glassco on site, water truck and roller on pad – Bo Jason Brenneman (Burcaw) on site for density tests.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. Dupont Date 6-1-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: Honey

Owner: Hillsborough County

Contractor: 09200020.32

Date: 2 June 2002 Contract Day: 213 Contract Duration: 0248

Days Remaining: 35

Weather

Temperature: (AM) 72.° (PM) 89° Rain: — Duration of rain: —

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozen (I)	Smooth Drum Roller (I)	
CAT D5 Dozen (I)	Sheepsfoot Roller (I)	
CAT 962 Loader (I)	(2) 3" Pump (I)	
Water Tanker (I)	Deere Tractor w/ Discs (I)	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
Ø	Ø	Ø

Description of Construction Activity

No Activity

List of Subcontractors

—

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative [signature] Date 2 June 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: SECTION F CAPACITY EXPANSION Project number: 09200020.32

Owner: HILLSBOROUGH COUNTY Contractor: HONEY

Date: 3 JUNE 2002 Contract Day: 214 Contract Duration: 248

Days Remaining: 34

Weather

Temperature: (AM) 72° (PM) 92° Rain: - Duration of rain: -

Description of weather: PARTLY CLOUDY

List of Equipment on site: (A) for active (I) for idle

CAT D6 DOZER (A)	SMOOTH DRUM ROLLER (A)	CAT 320 EXCAVATOR (A)
CAT D5 DOZER (A)	SHEEPSFOOT ROLLER ( )	
CAT 912 LOADER ( )	(2) 3" PUMP (I)	
WATER TANKER ( )	DISC TRACTOR + DISCS (A)	

Personnel on site:

1	3	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

MOBILIZED CAT 320 EXCAVATOR

CONTINUED TO EXCAVATE AND DISC SUB-BASE MATERIAL FROM STOCKPILE.

OPENED UP TEST PAD INSIDE DISCS. MADE 2 PASSES WITH ENTIRE PAD WITH DISC. ADDED WATER TO SUB-BASE USING WATER TANKER. RAKED TEST SECTION WITH 6 PASSES OF SHEEPSFOOT ROLLER FOLLOWED BY 6 PASSES WITH SMOOTH DRUM ROLLER.

BURLOW PERFORMED 5 IN-PLACE DENSITY TESTS THAT RANGED FROM 97% TO 99% COMPACTION. ALSO RETRIEVED 5 SAMPLES FOR PERMEABILITY TESTING.

List of Subcontractors

BURLOW GEOTECHNICAL

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative _____ Date 3 JUNE 2002

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 4 June 2002 Contract Day: 215 Contract Duration: 248

Days Remaining: 33

Weather

Temperature: (AM) 76° (PM) 92° Rain: – Duration of rain: –

Description of weather: overcast

List of Equipment on site: (A) for active (I) for idle

Cat D5 Dozer (A)	Smooth Drum Roller	Cat 320 Excavator (P)
Cat D6 Dozer (A)	Sheepsfoot Roller (I)	
Cat 962 Loader ( )	(2) 8" Pump (I)	
Water Tanker (A)	Deere Tractor 4 Disc (A)	

Personnel on site:

1	3	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Dennis DuPont, Dennis Brown on site, met with Matt & Larry - Dennis DuPont to start as resident engineer. DED - Tour site with Larry. Handex grading area N. of cell for seeding, watering test cell, turning and mixing clay stock pile.

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
—		

Field Representative Dennis G. DuPont Date 6-4-02

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SCS ENGINEERS DAILY FIELD REPORT

Project: Hillsborough County Project number: 09202020.32

Owner: Section I Capacity Expansion Contractor: Hardee

Date: 5 June 2002 Contract Day: 216 Contract Duration: 248

Days Remaining: 32

Weather

Temperature: (AM) 77 (PM) 93 Rain: ____ Duration of rain: ____

Description of weather: partly cloudy

List of Equipment on site: (A) for active (I) for idle

CAT D6 Dozer	Smooth Drum Paver	A	CAT 320 Excavator
CAT D5 Dozer	Sheepsfoot Roller	A	
CAT 962 Loader	(2) 3" Pump (I)		
Water Tanker A	Deere Tractor w/ Disc	A	

Personnel on site:

1	3	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Grading Area N. of Cell For grass seeding. Watering Test cell. Results from Test Perms marginal. Disc. w/ Turn-over Test cell new Tests & samples in P.M. Test pad was reworked rolled with sheepsfoot and smooth roller 6X each. Burcaw (Jason) was supposed To be here at 1630. AT 1730 Barry called to find out where he was, evedently Brian from Hardee did not call and schedual him. Ardaman (James Haggie) was here at 1600hrs, will be back ~~To~~ on 6-6-02 @ 0700hrs.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 6-5-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Hillsborough County Project number: 09200020.32

Owner: Section I Capacity Expansion Contractor: Haudex

Date: 6-6-02 Contract Day: 217 Contract Duration: 248

Days Remaining: 31

Weather

Temperature: (AM) 77 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 Dozer	A	Smooth Drum roller	Cat 320 excavator
Cat D5 Dozer	A	Sheepsfoot roller	
Cat 962 loader		(2) 3" Pumps	
Water Tanker	A	JD Tractor w/disc.	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		

Description of Construction Activity Burcaw & Ardaman on site to take perms & density, Ardaman will take only 2, samples #1 & #4. Cell area being watered. Area N. of cell being prepped for seeding.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuPont Date 6-6-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 6-7-02 Contract Day: 218 Contract Duration: 248

Days Remaining: 30

Weather

Temperature: (AM) 80 (PM) ____ Rain: ____ Duration of rain: ____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

CaT D6 dozer	I	sheepsfoot roller	I
Cat D5 dozer	I	Cat 320 excavator	I
Water Truck	I		
Smooth Drum roller	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		

Description of Construction Activity Talked with Matt about yesterday. - Tests with Burcaw and Ardaman. Possibility of using material from different area in stockpile. Jerry Ruiz on site, looked at Test pad then stock pile where Handex had mixed soil - appears to be much better material - Handex called Burcaw to come and get material for Proctor; Handex starting Monday, will restart mixing material, and hauling for clays that are better than test pad. Burcaw will be here this afternoon, Burcaw here, pulled 3 bags of soil from 3 holes in top of stockpile material which had been turned over and mixed by excavator then dozer.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 6-7-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 6-8-02 Contract Day: 219 Contract Duration: 248

Days Remaining: 29

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity: No Activity Today.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis R. DuPont Date: 6-8-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 6-9-02 Contract Day: 220 Contract Duration: 248

Days Remaining: 28

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont Date 6-9-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 6-10-02 Contract Day: 221 Contract Duration: 248

Days Remaining: 27

Weather

Temperature: (AM) 80 (PM) 90 Rain: ____ Duration of rain: ____

Description of weather: clear — partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	A	sheepsfoot roller	I	
Cat D5 dozer	A	Cat 320 excavator	A	
Water truck	I			
Smooth drum roller	I			

Personnel on site:

1	2	
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Called Ardaman - perm results for samples Taken 6-6-02 #1, #4 may have preliminary results by mid week 6-12-02, Handex working Stockpile Turning & mixing materials Call from Harold Snyder @ Ardaman results of Standard Proctor taken 5-31-02. 106.0 pcf, 14.5% water. Brian (Handex) called neither Gary or himself will be physically here for Wed. meeting; will conference by Phone. IS Burcaw using 9100 for perms? i.e. leachate water.

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 6-10-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Haadex

Date: 6-11-02 Contract Day: 222 Contract Duration: 248

Days Remaining: 26

Weather

Temperature: (AM) 80 (PM) 90 Rain: Duration of rain:

Description of weather: Clear to Partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	A	Sheepsfoot	I
Cat D5 dozer	A	CaT 320 excavator	A
Water Truck	A		
Smooth drum roller	A		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	

Description of Construction Activity Haadex excavating and Turning material in stock pile, watering and roll smooth rolling cells. Haadex ready to start cover test pad, but needs tractor w/disc and off road dump truck.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A Dufort Date 6-11-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

ALTH & SAFETY
:N- IN SHEET

HANDEX
Practical Environmental Solutions

·oject: HILLSBOROUGH COUNTY LANDFILL

·oject No: 123602

ıbject: Hard Hats & Safety Vests

ate: 6/11/02

	PRINT NAME	SIGNATURE	COMPANY
1.	Joey Russell	Joey Russell	Handex
2.	Tim Russell	Tim Russell	Handex
3.	RANDAN HEADSTER	Randall Heaster	ACE STAFFING
4.	SHAWN FLYNN	Shawn Flynn	Ace Staffing
5.			
6.			
7.			
8.			
9.			
10.			

COMMENTS:

talked about hot weather. Be careful about heat exposure. Drink plenty of liquid. we also talked about every day safety equipment + issues.

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 6-17-02 Contract Day: 223 Contract Duration: 248

Days Remaining: 25

Weather

Temperature: (AM) 80 (PM) 90 Rain: ____ Duration of rain: ____

Description of weather: Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	A	sheepsfoot roller	A		
Cat D5 dozer	A	CaT 320 excavator	A		
Water Truck	A	Cat offroad dump	A		
Smooth drum roller	A	JD Tractor w/ disc	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

1 No. of Laborers

Description of Construction Activity Hardee borrowed a offroad dump truck from Waste Management Inc. and began hauling material for new test pad. BurCaw on site and began constructing new test pad. SCS chaired the Progress Meeting #36. Tractor and Disc delivered in AM and began discing material for test pad. Offroad dump truck delivered PM. Water Truck and Smooth drum roller covering cell. Cell Test pad constructed with prepared material from stock pile into a offroad dump, placed on fill, leveled with Cat D6 using a heavy 3 passes with JD Tractor w/ disc, 6 passes each with Sheepsfoot and smooth drum roller. Burcaw measured 22 TO 25% moisture, pulled material for Proctor. Old test pad pushed to side ready To

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 6-17-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 6-13-02 Contract Day: 254 Contract Duration: 248

Days Remaining: 24

Weather

Temperature: (AM) 80 (PM) 90 Rain: 1/4" Duration of rain: 45 min

Description of weather: clear to Partly Cloudy then rain

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	A	Sheepsfoot roller	A
Cat D6 dozer	A	CAT 320 excavator	A
water Truck	A	Cat off-road dump	I
9mooth drum roller	A	JD Tractor w/disc.	A

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex continues to excavate fuon material at Stock pile. Opened test pad to dry material. Hardex made 3 passes using JD Tractor w/disc, 6 passes each with sheeps foot and smooth drum roller. Barcaw reports moisture about 20%, compaction exceeds 95%, Thickness of Test pad 7 to 8½ in., pulled samples for Perms, atterburg Limits and Percent fines. Hardex had water Truck and smooth dru roller on remainder of cell. Old Test pad pushed to side, ready To be Taken up.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 6-13-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 6-14-02 Contract Day: 235 Contract Duration: 248

Days Remaining: 23

Weather

Temperature: (AM) 80 (PM) 90 Rain: .8 Duration of rain: 1 hr.

Description of weather: partly Cloudy - Rain - Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 Dozer	A	Sheepsfoot roller	I
Cat D5 Dozer	I	Cat 320 excavator	A
water Truck	A	Cat off road dump	I
Smooth drum roller	A	JD Tractor w/disc	A

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity ~~Hand te~~ Hardex worked about ½ day. Rain came about noon. Turned up material in Stockpile today then re sealed, watered & rolled some areas in cell, cleaned up and graded at drain pipes under road pr. Trailers. Tom Hatley came by to drop off papers D. Brown asked for.

List of Subcontractors

-

List of Materials Delivered

-

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. Dupont Date 6-14-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 6-15-02 Contract Day: 236 Contract Duration: 248

Days Remaining: 22

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis P. DuPont Date 6-15-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Headex

Date: 6-16-02 Contract Day: 227 Contract Duration: 248

Days Remaining: 21

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

_____ No. of Superintendents

_____ No. of Skilled

_____ No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L DuPont Date 6-16-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 6-17-02 Contract Day: ~~230~~ 228 Contract Duration: 248

Days Remaining: 20

Weather

Temperature: (AM) 90 (PM) 80 Rain: 2.0" Duration of rain: 1300hrs - all night

Description of weather: partly cloudy - rain

List of Equipment on site: (A) for active (I) for idle

CaT D6 Dozer	A	Sheepsfoot roller	I	3" Pump	A
Cat D5 Dozer	A	Cat 320 excavator	I		
Water Truck	A	Cat off road dump	I		
Smooth drum roller	A	JD Tractor w/disc.	A		

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Water Truck and smooth drum roller maintaining Cell area, water pump dewatering sump, dozers and Tractor w/disc. on stockpile turning, mixing, drying material. light rain at 1300hrs. heavy rain began 1350 - 1420 - light 1440 heavy worked stopped, left @ 1500hrs. rained off + on all afternoon, left at 1730

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuPont Date 6-17-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 6-18-02 Contract Day: 229 Contract Duration: 248

Days Remaining: 19

Weather

Temperature: (AM) 76 (PM) 80 Rain: .5" Duration of rain: 0800-1300hrs.

Description of weather: cloudy-rain

List of Equipment on site: (A) for active (I) for idle

Cat D6 Dozer	A	Sheepsfoot roller	I	3" Pump	A
Cat D5 Dozer	A	Cat 320 Excavator	A		
Water Truck	I	Cat offroad dump	I		
Smooth drum roller	I	JD Tractor w/Disc	I		

Personnel on site:

1	3	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Grading and dressing areas for drainage and water control. Dressing up areas on stock pile, Hardex waiting for Perm results on test pad. Worked ½ days.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 6-18-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 6-19-02 Contract Day: 230 Contract Duration: 248

Days Remaining: 18

Weather

Temperature: (AM) 78 (PM) 80 Rain: ____ Duration of rain: ____

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 Dozer	A	Sheepsfoot roller	I	3" pump	A
Cat D5 Dozer	A	Cat 320 Excavator	A	6" pump	A
Water Truck	I	Cat off road dump	I	Cat off road dump	I
Smooth Drum roller	A	JD Tractor w/disc	A		

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hondex smooth drum rolling Cell area, Mixing material on stock pile, dressing area for drainage, waiting for test results from Burrow on test pad. Brought in 6" Pump today, also 2nd off road dump.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 6-19-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 6-20-02 Contract Day: 231 Contract Duration: 248

Days Remaining: 17

Weather

Temperature: (AM) 75 (PM) 85 Rain: ____ Duration of rain: ____

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 Dozer	A	Sheepsfoot roller	I	JD Tractor w/ Disc	A
Cat D5 Dozer	A	CAT 320 Excavator	I	3" pump	A
Water Truck	I	Cat offroad dump	I	6" pump	I
Smooth drum roller	I	Cat offroad dump	I		

Personnel on site:

1	3	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity @ Hardex dewatering sump area of Cell. Grading, disking and mixing material on stock piles. Hardex submitted letter to Hillsborough County stating they will be drilling holes through fill in Cell on Friday 6-21-02 to County & SCS staff - no. Hardex - maintaining area for surface drainage. Bureau brought out test section report - Submittal 30c

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont Date 6-20-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion — Project number: 09200020.32

Owner: Hillsborough County — Contractor: Handex

Date: 6-21-02 — Contract Day: 237 — Contract Duration: 298

Days Remaining: 16

Weather

Temperature: (AM) 75 (PM) 88 — Rain: — Duration of rain: —

Description of weather: clear - To partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer		Sheepstoot roller	I	JD Tractor w/disc	A
Cat D5 dozer		Cat 320 excavator	A	3" pump	
Water Truck	I	Cat offroad dump	I	6" pump	
Smooth drum roller	I	Cat offroad dump	I		

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Gary Conaway & Brian Ehrler (Carl Asprinio) on site. Excavating Turning mixing disking material on stock pile. Surveyors on site shooting grades. Handex installed pipe under haul road to drain area S. of stockpile and created a swale for water to sheet flow out of area as per Matt. Talked with Brian to submit proper docs. for pay request 5 and for him to get with Barcad to ~~certify~~ rewrite sub-base test pad report.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont — Date 6-21-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 6-22-02 Contract Day: 233 Contract Duration: 248

Days Remaining: 15

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity

Hardex came out to site to check for rain - none.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 6-22-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 6-23-02 Contract Day: 234 Contract Duration: 248

Days Remaining: 14

Weather

Temperature: (AM) _____ (PM) _____ Rain: 0.5 Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 6-23-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200070.32

Owner: Hillsborough County Contractor: Hardex

Date: 6-24-02 Contract Day: 235 Contract Duration: 248

Days Remaining: 13

Weather

Temperature: (AM) _____ (PM) _____ Rain: 3.0" Duration of rain: _____

Description of weather: Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	A	Sheepsfoot roller	I	JD Tractor w/disc	I
Cat D5 dozer	A	Cat 320 excavator	I	3" pump	A
water Truck	I	Cat off road dump	I	6" pump	A
Smooth drum roller	I	Cat off road dump	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	

Description of Construction Activity Site received 0.5 in rain between Sat night To Mon morning. Hardex repaired drainage at culvert @ roadway near Trailers. Dewatering & drainage control.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 6-24-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 6-25-02 Contract Day: 236 Contract Duration: 248

Days Remaining: 12

Weather

Temperature: (AM) 85 (PM) 90 Rain: 1.0" Duration of rain: 1 hr.

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	A	Sheepsfoot roller	I	JD Tractor w/disc.	I
Cat D5 dozer	A	Cat 320 excavator	I	3" pump	A
Water Truck	I	Cat offroad dump	I	6" pump	A
Smooth drum roller	I	Cat offroad dump	I		

Personnel on site:

1	2	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity With 3" of rain yesterday, Hendex repairing and maintaining drainage control. 3-6" pump operating To dewater cell area. Repairs made to fill at pipe crossing for water control at S end of stockpile.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuLaat Date 6-25-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hendex

Date: 6-26-02 Contract Day: 237 Contract Duration: 248

Days Remaining: 11

Weather

Temperature: (AM) 80 (PM) 90 Rain: .5 Duration of rain:

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	A	Sheepsfoot roller	I	JD Tractor w/disc	I
Cat D5 dozer	A	Cat 320 excavator	I	3" pump	A
Water truck	I	Cat offroad dump	I	6" pump	A
Smooth drum roller	I	Cat offroad dump	I		

Personnel on site:

1	2	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Dewatering Cell area, ~~and~~ maintaining drainage control and repairing washouts.

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. Pabst Date 6-26-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09800020.32

Owner: Hillsborough County Contractor: Hardex

Date: 6-27-02 Contract Day: 238 Contract Duration: 248

Days Remaining: 10

Weather

Temperature: (AM) 80 (PM) ____ Rain: .5 Duration of rain: 1½ hr.

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	A	Sheepsfoot roller	I	JD Tractor W/disc	I
Cat D5 dozer	A	Cat 320 excavator	A	3" pump	A
Water Truck	I	Cat offroad dump	I	6" pump	A
Smooth drum roller	I	Cat offroad dump	I		

Personnel on site:

1	2	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Dewatering cell area, maintaining drainage control and repairing washouts.

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuBard Date 6-27-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 6-28-02 Contract Day: 239 Contract Duration: 248

Days Remaining: 9

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	A	sheepsfoot roller	I	JD Tractor W/disc	I
Cat D5 dozer	A	Cat 320 excavator	A	3" pump	A
Water Truck	I	Cat offroad dump		6" pump	A
Smooth drum roller	I	Cat offroad dump			

Personnel on site:

1	2	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Dewatering Cell area, maintaining drainage control and repairing washouts

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 6-28-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Haaker

Date: 7-6-29-02 Contract Day: 240 Contract Duration: 248

Days Remaining: 8

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity ~~Joe per son~~ Haaker monitored rain fall over week end and Turned on pumps as needed. No other activity.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis J. Dubost Date 6-29-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 01200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 6-30-02 Contract Day: 241 Contract Duration: 248

Days Remaining: 7

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity ~~Hardee~~ No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuPont Date 6-30-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 7-1-02 **Contract Day:** 242 **Contract Duration:** 248

Days Remaining: 6

Weather

Temperature: (AM) 85 **(PM)** 90 **Rain:** 4.5 **Duration of rain:**

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer I	Sheepsfoot roller I	JD Tractor w/disc I
Cat D5 dozer I	CAT 320 excavator I	3" Pump I
Water truck I	Cat offroad dump I	6" Pump A
Smooth drum roller I	Cat offroad dump I	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	

Description of Construction Activity

Pumped water from Cell area, then left site

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 7-1-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 7-2-02 **Contract Day:** 242 **Contract Duration:** 248

Days Remaining: 5

Weather

Temperature: (AM) 85 **(PM)** _____ **Rain:** _____ **Duration of rain:** _____

Description of weather: partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	I	sheepsfoot roller	I	JD Tractor w/disc.	I
Cat D5 dozer	WMI	Cat 320 excavator	I	3" Pump	I
Water Truck	I	Cat off road dump	WMI	6" Pump	A
Smooth drum roller	I	Cat off road dump	I		

Personnel on site:

1	4 Dne operator at WMI	
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Pumping water from Cell area, some grading, fill, excavating for ~~Water con~~ drainage control.

Waste Management hired Hardex to supply dozer & dump Truck To assist them with water control

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont **Date** 7-2-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 7-3-02 Contract Day: 244 Contract Duration: 248

Days Remaining: 4

Weather

Temperature: (AM) 85 (PM) 90 Rain: ____ Duration of rain: ____

Description of weather: partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	I	Sheepsfoot roller	I	JD Tractor W/disc	I
Cat D5 dozer	WMI	Cat 320 excavator	I	3" Pump	I
water Truck	I	Cat Offroad dump	WMI	6" Pump	A
Smooth drum roller	I	Cat offroad dump	WMI		

Personnel on site:

1 No. of Superintendents 4 (one operator at WMI) No. of Skilled ____ No. of Laborers

Description of Construction Activity 6" pump running -

SCS office meeting with Carl Asprinio, Brian Ehrlen, Larry Ruiz Bob Gardner, Dennis DuPont and Dennis Brown by phone and ~~Question~~ Peggy Rutland - Peninsula Surveying. Try to answer question of survey showing 1.8' low to 1' high on material, resolution - to have D.G. Johnson on site 7-8-02 to survey Cell 11-02

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 7-3-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 7-4-02 Contract Day: 245 Contract Duration: 248

Days Remaining: 3

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents No. of Skilled No. of Laborers

Description of Construction Activity No Activity Totay - Holiday

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis St. DuPont Date 7-A-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 04760070.32

Owner: Hillsborough County Contractor: Hardex

Date: 7-5-02 Contract Day: 246 Contract Duration: 248

Days Remaining: 2

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 7-5-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section F Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hoader

Date: 7-6-02 Contract Day: 247 Contract Duration: 248

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

_____ No. of Superintendents _____ No. of Skilled _____ No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis K. DuPont Date 7-6-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardaf

Date: 7-7-02 Contract Day: 248 Contract Duration: 248

Days Remaining: 0

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. Pufahl Date 7-7-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09700020.32

Owner: Hillsborough County Contractor: Hardex

Date: 7-8-02 Contract Day: ~~401~~ Contract Duration: 28

Days Remaining: ~~413~~ 27

Weather

Temperature: (AM) 85 (PM) ____ Rain: ____ Duration of rain: ____

Description of weather: partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat D6 dozer	I	Sheepsfoot roller removed	
Cat D5 dozer	WMI	Cat 320 excavator	I
water Truck	I	off road dump	WMI
Smooth drum roller	I	off road dump	WMI

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	4 — one operator at WMI	

Description of Construction Activity D.C. Johnson Surveyors on site as per request from SCS and approved by Hillsborough County To verify claim of Hardex. Hardex ~~said~~ believes cell area has settled in one area and risen in another area. Hay bales installed in anchor trench ~~on~~ discharge trench and at entrance to retention pond — still need hay bales at drop inlet-outlet from retention pond — Hardex not to exceed level in pond To discharge pond — Hardex sheepsfoot removed removed from site today. From pond. Hardex scratched up material at entrance to retention pond.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 7-8-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Haudex

Date: 7-9-02 Contract Day: 2 Contract Duration: 28 proposed

Days Remaining: 126

Weather

Temperature: (AM) 85 (PM) _____ Rain: _____ Duration of rain: 1hr.

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck	I		
Excavator	I		
3" Pump	I		
6" Pump	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	1	

Description of Construction Activity

DC Johnson Surveyors on site, surveying bottom of Cell 2. Haudex is removing equipment from site. Smooth drum roller, Gator, one offroad dump, 2nd offroad dump, Cat Dozer, Cat D5 dozer,

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 7-9-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex proposed

Date: 7-10-02 Contract Day: 3 Contract Duration: 28

Days Remaining: 25

Weather

Temperature: (AM) 80 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck	I		
Cat 320 excavator	I		
3" Pump	I		
6" Pump	I		

Personnel on site:

1		
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex had one supt, and 3 operators on site, also Peninsular surveyors. Surveyors left about 0900, remaining crew left about 0930. 6" pump ran for a short time. 3" pump ran for short time. No other activity.

List of Subcontractors

Peninsular did not stay

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 7-10-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hendex

Date: 7-11-02 Contract Day: 4 Contract Duration: 28 proposed

Days Remaining: 24

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck	I		
Cat 320 excavator	I		
3" Pump	I		
6" Pump	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		

Description of Construction Activity No Activity from Hendex.
Took pictures of ~~erection~~ erosion of cell area.
Approved Pay Request #5 and #6
No exceptions on Submittals 30D, 37a, 38, 37 EM

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuBoit Date 7-11-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 7-12-02 Contract Day: 5 Contract Duration: 28 proposed

Days Remaining: 23

Weather

Temperature: (AM) 85 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

water Truck	I		
Cat 320 excavator	I		
3" Pump	I		
6" Pump	I		

Personnel on site:

1 No. of Superintendents _____ No. of Skilled _____ No. of Laborers

Description of Construction Activity No Activity from Hardex
Reviewed submittals
Delivered submittals and pay requests
weekly report

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis K. DuPont Date 7-12-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09700020.32

Owner: Hillsborough County

Contractor: Hardex proposed

Date: 7-13-02 Contract Day: 6 Contract Duration: 28

Days Remaining: 22

Weather

Temperature: (AM) _____ (PM) _____ Rain: 1.5" Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	JD Tractor W/Disk	I
Cat 32 excavator	I		
3" Pump	A		
6" Pump	A		

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity Hardex came out & Turned on pump To dewater cell

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 7-13-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200070.32

Owner: Hillsborough County

Contractor: Hardee proposed

Date: 7-14-02 Contract Day: 7 Contract Duration: 28

Days Remaining: 21

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity No Activity this day

List of Subcontractors

_____ _____

List of Materials Delivered

_____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 7-14-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 7-15-02 Contract Day: 9 Contract Duration: 29 proposed

Days Remaining: 20

Weather

Temperature: (AM) 85 (PM) 90 Rain: ____ Duration of rain: ____

Description of weather: clear To partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	JD Tractor W/disk - removed Today
Cat 320 Excavator	I	
3" pump	I	
6" pump	I	

Personnel on site:

1 No. of Superintendents

2 No. of Skilled

1 No. of Laborers

Description of Construction Activity JD Tractor W/disk removed Today, no other work.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 7-15-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project Number: 09200020.32

Owner: Hillsborough County Contractor: Headley

Date: 7-16-02 Contract Day: 9 Contract Duration: 28 (proposed)
Days Remaining: 19

Weather
Temperature: (AM) 90 (PM) 95 Rain: ____ Duration of Rain: ____
Description of weather: ____

List of Equipment on site: (A) for active (I) for idle

Water Truck	I		
Cat 320 excavator	I		
3" Pump	I		
6" Pump	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	1	

Description of Construction Activity
No activity except to check pumps

List of Subcontractors
—

List of Materials Delivered
—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. Durfort Date 7-16-02

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 7-17-02 Contract Day: 10 Contract Duration: 28 proposed

Days Remaining: 18

Weather

Temperature: (AM) 85 (PM) 90 Rain: ____ Duration of rain: ____

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck	I		
Cat 320 excavator	I		
3" Pump	I		
6" Pump	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	1	

Description of Construction Activity

Hardex Trimming grass & weeds around Trailers no other work,

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis N. DuPont Date 7-17-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion
Project number: 09200020.32
Owner: Hillsborough County
Contractor: Hardex
Date: 7-18-02
Contract Day: 11
Contract Duration: 28 proposed
Days Remaining: 17
Weather
Temperature: (AM) 85 (PM) 95 Rain: .10" Duration of rain: ~~last night~~
Description of weather:

List of Equipment on site: (A) for active (I) for idle

water Truck	I		
Cat 320 Excavator	I		
3" pump	I		
6" pump	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	1	

Description of Construction Activity
Contractor on phone — No work Today
Video survey of site taken this day by Dennis DuPont SCS

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont Date 7-18-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex proposed

Date: 7-19-02 Contract Day: 12 Contract Duration: 28

Days Remaining: 16

Weather

Temperature: (AM) 85 (PM) 90 Rain: 1.10 Duration of rain: last night

Description of weather: partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck	I		
Cat 320 Excavator	I		
3" Pump	A		
6" Pump	A		

Personnel on site:

1 No. of Superintendents

1 No. of Skilled

No. of Laborers

Description of Construction Activity

Handex dewatered cell area. No other activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 7-19-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex proposed

Date: 7-20-02 Contract Day: 13 Contract Duration: 28

Days Remaining: 15

Weather

Temperature: (AM) _____ (PM) _____ Rain: 0.5" Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

JD650G LGP dozer	A		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	1	

Description of Construction Activity Hertz delivered a 650G LGP dozer to site late Fri. afternoon. Hardex attempted to repair erosion on slopes and to scrape up material to dry it out. No other Activity this day. dewatered Cell Sump

SCS - Dennis DuPont made copies of Video survey of erosion of ~~de~~ cell area, which was shot on 7-19-02.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis J. DuPont Date 7-20-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200070.32

Owner: Hillsborough County

Contractor: Hardex

Date: 7-21-02 Contract Day: 14 Contract Duration: 28 proposed

Days Remaining: 14

Weather

Temperature: (AM) _____ (PM) _____ Rain: 0.2 Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity No Activity Today.

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 7-21-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 7-22-02 Contract Day: 15

Contract Duration: 28 proposed

Days Remaining: 13

Weather

Temperature: (AM) 85 (PM) 90 Rain: Trace Duration of rain: 1340

Description of weather: clear AM — Cloudy PM

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	6" pump	F
Cat 320 excavator	I	JD 750C LPG	A
JD 650G LPG dozer	A		
3" Pump	I		

Personnel on site:

1	2	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex dewatering cell area, scraping ~~de~~ cell area to dry material, Phones in Trailer not working Fax line is OK. 2nd dozer delivered today. Crew set up Dozer level checking grades for cut & fill.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 7-22-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09700020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 7-23-02

Contract Day: 16

proposed
Contract Duration: 28

Days Remaining: 12

Weather

Temperature: (AM) 85 (PM) 90 Rain: ____ Duration of rain: ____

Description of weather: clear AM Partly cloudy PM

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	3/4 Pump	I
Cat 320 excavator	A	6" Pump	I
JD 650G dozer	A	Offroad dump	I
JD 750G dozer	A	Gator	A

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	2

Description of Construction Activity Hardee dressing slopes, brackets welded on to dozers for Lazer. Peninsular surveyors on site to set grades. J.D. 650 dozer cutting grades in Trenches.

Late in afternoon Instrument Man (George Hardy) for Peninsula Design was injured when survey van hit Tripod. Accident report to follow.

List of Subcontractors

Hertz delivering equip.

Peninsular Surveying

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. Dufont Date 7-23-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 7-24-02 Contract Day: 17 Contract Duration: 28 proposed

Days Remaining: 11

Weather

Temperature: (AM) 85 (PM) Rain: Duration of rain:

Description of weather: partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	3" pump	I	
Cat 320 excavator	I	6" pump	I	
JD 650G dozer	A	offroad dump	I	
JD 750 G dozer	A	Gator	A	

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Handex held tailgate safety meeting — topic — hard hats, safety glasses, safety vests, heat-drink plenty of water, report accidents — get help — 911 etc, Handex grading sideslopes, bottom of Cell, trenches & ridges, reforming leachate line trenches, SCS hosted Progress Meeting #27, Tagersal and smooth drum roller delivered today. ~~Progress Meeting #27 was held today.~~

List of Subcontractors

Pennisular Surveying — grades

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont Date 7-24-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 7-25-02 Contract Day: 18 Contract Duration: 28 proposed

Days Remaining: 10

Weather

Temperature: (AM) 85 (PM) 95 Rain: Duration of rain:

Description of weather: clear To Partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	3" Pump	A	Smooth drum roller	A
Cat 320 excavator	I	6" Pump	I		
JD 650 G dozer	A	4 road dump	I		
JD 750 G dozer	A	Gator	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

2 No. of Laborers

Description of Construction Activity Hardex grading cell to design specs, Water Truck dewatering retension pond - watering cells, Roller rolling cells.

List of Subcontractors

—

List of Materials Delivered

—

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 7-25-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hondex

Date: 7-26-02 Contract Day: 19 Contract Duration: 28 proposed

Days Remaining: 9 1645

Weather

Temperature: (AM) 85 (PM) 95 Rain: Trace Duration of rain: _____

Description of weather: clear to partly cloudy to rain

List of Equipment on site: (A) for active (I) for idle

Water truck	A	3" Pump	I	Smooth drum roller	A
Cat 320 Excavator	A	6" Pump	I		
JD 650G dozer	A	off road dump	A		
JD 750G dozer	A	Gator	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

2 No. of Laborers

Description of Construction Activity

Hondex used various equipment by various people at various times to grade cell. Moved, cut and fill material to reach proper grade, rolled and watered fill material to ~~stabilized~~ stabilize.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuPont Date 7-26-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09700080.32

Owner: Hillsborough County

Contractor: Hendex

Date: 7-27-02

Contract Day: 20

Contract Duration: 28 proposed

Days Remaining: 8

Weather

Temperature: (AM) 85 (PM) ____ Rain: ____ Duration of rain: ____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

water truck	A	3" Pump	I	Smooth drum roller	A
Cat 320 excavator	A	6" Pump	I		
JD 650G dozer	A	off-road dump	A		
JD 750G dozer	A	Gator	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

2 No. of Laborers

Description of Construction Activity

Hendex using various equipment for cut & Fill to get cell back to grade, Dewatering retention pond by using water truck - and watering cell.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 7-27-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 7-28-02 Contract Day: 21 Contract Duration: 28 proposed

Days Remaining: 7

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity No Activity Today

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis B. DuBont Date 7-29-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

oject: Section I Capacity Expansion

Project number: 09200020.32

wner: Hillsborough County

Contractor: Handex

ate: 7-29-02 Contract Day: 22 Contract Duration: 28

ays Remaining: 6

Weather

emperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: 28

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	3" Pump	I	Smooth drum roller	A
Cat 320 excavator	A	6" Pump	I	JD Tractor w/ disk	A
JD 650G dozer	A	off-road dump	I		
JD 750G dozer	A	Gator	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

2 No. of Laborers

Description of Construction Activity Handex dewatering, retension pond and wetting cell. 2 dozers, excavator, Tractor w/ disk on stock pile preparing & mixing clay for sub-grade. Roller – rolling cell. Peninsulaon site for confirmation surveys

List of Subcontractors

Peninsula - Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R DuPont Date 7-29-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project number: 09200020.32

roject: Section I Capacity Expansion

Contractor: Handex

Owner: Hillsborough County

Date: 7-30-02 Contract Day: 23 Contract Duration: 28 proposed

Days Remaining: 5

Weather

Temperature: (AM) 85 (PM) 95 Rain: True Duration of rain:

Description of weather:

List of Equipment on site: (A) for active (I) for idle

water Truck	A	3" Pump	I	smooth drum roller	I
Cat 320 Excavator	A	6" Pump	I	JD Tractor W/disc.	A
JD 650G dozer	A	off road dump	I		
JD 750G dozer	A	Gator	A		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	1

Description of Construction Activity

water Truck is de watering retension pond, ~~pu~~ watering cell area
Clay for ~~Tes~~ subbase being mixed on stock pile.
Peninsula - surveying for certification

SCS Chaired Progress meeting #28

Pay Request #6 returned Today

List of Subcontractors

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 7-30-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 04200070.32

Owner: Hillsborough County

Contractor: Hardex

Date: 7-31-02

Contract Day: 24

Proposed
Contract Duration: 28

Days Remaining: 4

Weather

Temperature: (AM) 90 (PM) 92 Rain: ____ Duration of rain: ____

Description of weather: ____

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	3" Pump	I	Smooth drum roller	I
Cat 320 excavator	A	6" Pump	I	JD Tractor w/disc	A
JD 650G dozer	A	offroad dump	I		
JD 750G dozer	A	Gator	A		

Personnel on site:

1 — No. of Superintendents

4 — No. of Skilled

1 — No. of Laborers

Description of Construction Activity

Hardex dewatering retention pond, watering Cell area.
Hardex mixing & drying clay on stock pile.
Peninsula Design on site, surveying for Certification Survey.
Hardex held tailgate site safety meeting.

Note: 3" pump used to dewater pond and place water in Water Truck to put in cell on top of fill to keep ~~the~~ moist.

List of Subcontractors

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 7-31-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project number: 09200020.32

Project: Section E Capacity Expansion

Contractor: Hendex

Owner: Hillsborough County

Proposed
Contract Duration: 28

Date: 8-1-02 Contract Day: 25

Days Remaining: 3

Weather

Temperature: (AM) 85 (PM) ____ Rain: ____ Duration of rain: ____

Description of weather: partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	3" Pump	I-A	Smooth drum roller	I
Cat 320 excavator	A	6" Pump	I	JD Tractor w/disc	A
JD650G dozer	A	off road dump	I		
JD750G dozer	A	Gator	A		

Personnel on site:

1 No. of Superintendents

4 No. of Skilled

1 No. of Laborers

Description of Construction Activity Hendex is dewatering retention Pond with 3" pump into water Truck and wetting down cells. Other equipment is on stock pile preparing clay for subbase.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 8-1-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hondex

Date: 8-2-02 Contract Day: 26 Contract Duration: 28 proposed

Days Remaining: 2

Weather

Temperature: (AM) 85 (PM) 85 Rain: .75 Duration of rain: began about 1000

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	3" Pump	I-A	Smooth drum roller	I-A
Cat 320 excavator	A	6" Pump	I	JD Tractor W/disc	A
JD 650G dozer	A	off road dump	I		
JD 750G dozer	A	Gator	A		

Personnel on site:

1	4	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hondex is dewatering retention Pond with 3" Pump into water truck and wetting down cell. Other equipment is on stockpile preparing clay for sub-base — open clay to dry — using roller to seal up overnight or before rains.

Hondex off site 1100 rain

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 8-2-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09700020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-3-02 Contract Day: 27 Contract Duration: 28 proposed

Days Remaining: 1

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity

No Activity Today

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont Date 8-3-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-4-02 Contract Day: 28 Proposed Contract Duration: 28

Days Remaining: 0

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity

No Activity Today

List of Subcontractors

_____ _____ _____

List of Materials Delivered

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 8-4-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

ject: Section I Capacity Expansion Project number: 04200029.32

Owner: Hillsborough County Contractor: Hardee

Date: 8-5-02 Contract Day: +1 excess Contract Duration: 0

Days Remaining: 0

Weather

Temperature: (AM) 85 (PM) 95 Rain: — Duration of rain: —

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	3" Pump	I	Smooth drum roller	A
Cat 320 excavator	A	6" Pump	I	JD Tractor w/ disc	A
JD 650G dozer	A	off road dump	I		
JD 750G dozer	A	Gator	A		

Personnel on site:

1 No. of Superintendents 4 No. of Skilled 2 No. of Laborers

Description of Construction Activity Mixing clay on stockpile
Setting grade marks on grade stakes for Sub-base.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis N. DuLaat Date 8-5-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.30

Owner: Hillsborough County

Contractor: Hardex

Date: 8-6-02

Contract Day: +2 excess

Contract Duration: 0

Days Remaining: _____

Weather

Temperature: (AM) 85 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	3" Pump	I	Smooth drum roller	A
Cat 320 excavator	A	6" Pump	I	JD Tractor W/ Disc	A
JD 650G dozer	A	off road dump	A	Sheepsfoot roller new on site	
JD 250G dozer	A	Gator	A		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	4	2

Description of Construction Activity: Hardex rolling cell with smooth drum roller. Mixing clay material on stockpile for sub-base. Sheepsfoot roller delivered today. Tailgate safety meeting in AM. Progress meeting #29 at 2PM Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis G. DuPont Date: 8-6-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-7-02

Contract Day: +3 excess

Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 85 Rain: 1.5" Duration of rain: maybe 2 hrs.

Description of weather: cloudy less than trace begin 0900 1315 Lightning close 1320 rain 1600 1½"

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	3" Pump	I	Smooth drum roller	
Cat 320 Excavator	A	6" Pump	I	Sheepsfoot roller	
JD 650G dozer	A	off road dump	A	JD Tractor w/disc.	A
JD 750G dozer	A	Gator	A		

Personnel on site:

1 No. of Superintendents

4 No. of Skilled

2 No. of Laborers

Description of Construction Activity Hardex mixing clay material for sub-base on stock pile. - Hardex has verbal approval from Mgt To begin working on retention pond C as per letter to Dennis Brown dated 7-31-02 and also from Progress meeting #29 of 8-6-02 from statement by Brian Ehrler for the record concerning the pond(C). Hardex began removing silt buildup in Pond C until rains at about 1330 - rain & lightning. Certification Survey - approved by Larry Ruiz with notes to some low areas to be filled, Hardex can use subbase material. Hardex working to get ditch and pipe ready for Headwall - mitered ends at pond C near trailers.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis P. DePont Date 8-7-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 08200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-6-02 Contract Day: +4 Contract Duration: excess

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	off road dump	A	JD Tractor w/disc	I
Cat 320 Excavator	A	off road dump	A		
JD 650G dozer	A	Smooth drum roller	A		
JD 750G dozer	A	Sheepsfoot roller	I		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

#3 No. of Laborers

Description of Construction Activity Hardex working preparing drain pipes and ditch for Mitered end sections at Pond E near trailers. Hardex preparing clay for sub-base — drying, dewatering cell by moving water from main cell of dividing berm to W. side. working in Pond C to remove silt and get pond to filtrate and drain. 2nd. offroad dump — delivered Brandon Concrete Waste on site to form out 4 pour Mitered ends for pipe to Pond C. Hardex placing clay in Cell — will grade out, roll with Smooth and sheepsfoot and Tractor w/disc Tomorrow

List of Subcontractors

Brandon Concrete Construction

Acme Concrete

List of Materials Delivered

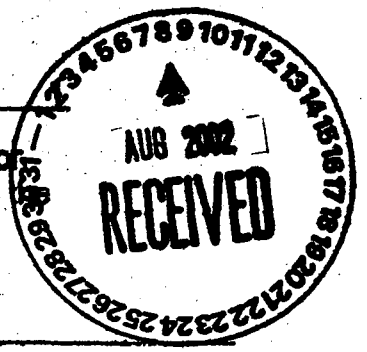
Concrete ± 6 yds

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. Dunbar Date 8-6-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files



TEST REQUEST FORM

Page No. ____

This form will identify the sample it is attached to. Tests required for the sample are indicated by a check mark next to the test. Record the results on this form and return it to the Q.C. Manager.

Customer Name: Acme Concrete B/L#
Source: Tampa Plant/ Tuck #1 Sample 5" Slump
Type: Type I
Date received: ###### Salesman: Baker

	SiO2		%		Blaine		sqcm/g
	Al2O3		%		325M		% passing
	Fe2O3		%		Gilmore		
	CaO		%		Initial		min
	MgO		%		Final		min
	SO3		%		Vicat		
	LOI		%		Initial		min
	K2O		%		Final		min
	I.R.		%		% Exp.		%
	f-CaO		%		N.C.		%
	Cl		%		F.N.		min
					Air		%
	Strength				flow		mm
	1 Day		psi		H2O		ml
	3 Day		psi		W.R.		%
	7 Day	4350	psi		F.S.(C-451)		%
	28 Day	5735	psi		F.S.(C-451)		
					Initial		mm
	% Cement		%		5 min		mm
	Pack Set		index		8 min		mm
	Color				11 min		mm
					remix		mm

Comments:
Truck #1 5" Slump

Distribution: J.Perdue,Greg Carrigan,Salesman,File

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-9-02 Contract Day: +5 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 90 Rain: 0.5 Duration of rain: overnight after work

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	offroad dump	A	JD Tractor w/disc	I
Cat 320 excavator	A	offroad dump	A		
JD 650G dozer	A	Smooth drum roller	A		
JD 750G dozer	A	Sheepsfoot roller	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

4 No. of Laborers

Description of Construction Activity Sub-base being placed, waiting for Burcaw before disking - Burcaw on site. Moisture just right for rolling & Compacting. Sheepsfoot and smooth drum roller operating under Burcaws Supervision in S.E. Corner. Clay being placed along E. side between E. limits and 1st. ridge going S. to N.

List of Subcontractors

Burcaw

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuBard Date 8-9-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-10-02 Contract Day: +6 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 90 Rain: Duration of rain:

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck		off road dump	A	JD Tractor w/disk	I
Cat 320 excavator	A	off road dump	A		
JD 650G dozer	A	Smooth drum roller	A		
JD 750G dozer	A	Sheepsfoot roller	A		

Personnel on site:

1 No. of Superintendents

2 No. of Skilled

3 No. of Laborers

Description of Construction Activity Hardex placing, grading and compacting Sub-base material along E. side going Sta 0. between E. old and 1st. ridge. Material put down yesterday was stirred up to allow some drying from last nights rain of 0.5 in. — did not have per work today. Began placing material between 1st ridge and 1st collection Trench going South to North.

List of Subcontractors

Burcow on site to monitor sub-base placement.

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	2.18 includes Fri	~~3 AC.~~ 2.18

Field Representative 8-10-02 Dennis L Dufort Date 8-10-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-11-02 Contract Day: +7 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity No Activity Today.

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base		

Field Representative Dennis R. DuPont Date 8-11-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 8-12-02 Contract Day: 18 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 65 (PM) 90 Rain: Duration of rain:

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

water Truck	I-A	offroad dump	A	JD Trator w/disk	I
Cat 320 excavator	A	offroad dump	A		
JD 650G Dozer	A	Smooth drum roller	A		
JD 750G Dozer	A	Sheepsfoot roller	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

3 No. of Laborers

Description of Construction Activity 2 Off road dump Truck being loaded with excavator. Material being placed for sub-base in cells. Rollers compacting sub-base dozer - pushing and grading material. Barcew pulled samples for Proctors.

List of Subcontractors

Barcew on site To monitor sub-base installation

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
sub-base	2.05 2.06	~~4 AC~~ 4.24

Field Representative Dennis R. DuPont Date 8-12-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 8-13-02 Contract Day: +9 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 90 Rain: 0.3 Duration of rain: 15 min Quickshower at 1440 0.3"

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	off road dump	A	JD Tractor W/disk	I
Cat 320 Excavator	A	off road dump	A		
JD 650D Dozer	A	Smooth drum roller	A		
JD 750G Dozer	A	Sheepsfoot roller	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

4 No. of Laborers

Description of Construction Activity Hardee placing sub-base excavator loading 2-off road dumps hauling to Cell. Dozers moving material and rough grading. Both rollers compacting and smoothing sub-base. Water Truck wetting fill in front of sub base placement & keeping sub-base moist. Grading and clearing silt in Retention Pond C. Progress Meeting #30 Today

List of Subcontractors

Burcaw pulled samples for Procters

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	~~1.5~~ 1.51 RTA	~~5AC~~ 5.15 ~~5.8AC~~

Field Representative Dennis G. DuPont Date 8-13-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-14-02

Contract Day: 110

Contract Duration:

Days Remaining:

1800 looks like rain
1830 off site no rain yet

Weather

Temperature: (AM) 85 (PM) 90 Rain: Duration of rain:

Description of weather: Partly Cloudy till late afternoon cloudy-

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	off road dump	A	JD Tractor W/disk	I
Cat 320 Excavator	A	off road dump	broke I		
JD 650 dozer	A	Smooth drum roller	A		
JD 750 dozer	A	Sheepsfoot roller	repair		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

6 No. of Laborers

Description of Construction Activity

Hardex placing Sub-base Material with one dump truck, ~~one~~ excavator loading Truck. Dozers grading and pushing sub-base material. Smooth roller keeping ruts from off road dump to minimum and sealing clays. Laborers removing sticks + roots from sub-base, also placed sand bags around and near water ends of pipe to pond C. Bobcat not on site at lab running proctor tests to get results for compaction and perms. To monorow

List of Subcontractors

Peninsula Design on site to set grades where laser level misses

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	0,82	~~6,63~~ 6,57

Field Representative Dennis L. DuPont Date 8-14-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Harder

Date: 8-15-02 Contract Day: + 11

Contract Duration: Began after work last night

Days Remaining: _____

Weather

Temperature: (AM) 85 (PM) 90 Rain: 0.8 Duration of rain: ?

Description of weather: cloudy - clear

List of Equipment on site: (A) for active (I) for idle

water truck	I	off road dump	I	JD Tractor w/disk	I
cat 320 Excavator	I	off road dump broke	I		
JD 650G dozer	A	Smooth drum roller	A		
JD 650G dozer	A	Sheepsfoot roller	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

No. of Laborers

Description of Construction Activity Material too wet after last nights rain. Dewatering cell area - No laborers - Burrow called not come in. Afternoon - stop water on clay dried up. Harder able to roll and grade area to get moisture off.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
		6.65 6.57

Field Representative Dennis A. DuPont Date 8-15-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09700020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-16-02 Contract Day: +17 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 90 Rain: Duration of rain:

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	off road dump	A	JD Tractor w/disk	I
Cat 320 excavator	A	off road dump broke fixed 2A			
JD 650G dozer	A	Smooth drum roller	A		
JD 750G dozer	A	Sheepsfoot roller	A		

Personnel on site:

1 off 2 hrs — No. of Superintendents

3 — No. of Skilled

5 — No. of Laborers

Description of Construction Activity

Hardex has on site 1 off road dump working - placing clay, dozers pushing clay and grading, rollers compacting clays.

List of Subcontractors

Burcan on site to take densities/compaction - perms

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	1.2± AC	7,077.79

Field Representative Dennis A. DeBont Date 8-16-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-17-02 Contract Day: +13 Contract Duration:

Days Remaining: after working hours

Weather

Temperature: (AM) 85 (PM) 90 Rain: 1.1" Duration of rain: ?

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	off road dump	A	JD Tractor W/Disk	I
Cat 320 Excavator	A	off road dump	A		
JD 650G dozer	A	Smooth drum roller	A		
JD 250G dozer	A	Sheepsfoot roller	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

5 No. of Laborers

Description of Construction Activity

Hardex placing clay 2 dump Trucks, excavator loading trucks, dozers pushing and grading clay, rollers compacting & smoothing clay.

List of Subcontractors

Burcaw on site for densities & proms.

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	1.20	8,99.08 AC

Field Representative Dennis L. DuPont Date 8-17-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200080.32

Owner: Hillsborough County

Contractor: Hondex

Date: 8-18-02 Contract Day: +14 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	offroad dump	I	JD Tractor w/disk	I
Cat 320 excavator	I	offroad dump	I	3" pump	A
JD 650 G dozer	A	Smooth drum roller	I	6" pump	A
JD 750 G dozer	A	Sheepsfoot roller	I		

Personnel on site:

1	3	
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hondex on site for water control- Pumping out cell area, making sure there isn't any standing water on clay mix ontop of stockpile. Cell area too wet to work in will see if it will dry.

List of Subcontractors

_____

List of Materials Delivered

_____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
		8.99

Field Representative Dennis M. DuPont Date 8-18-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 8-19-02 Contract Day: +15 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 90 Rain: Duration of rain:

Description of weather: clear to cloudy

List of Equipment on site: (A) for active (I) for idle

water truck	I	offroad dump	A	JD Tractor w/disk	I
Cat 320 Excavator	A	offroad dump	A	3" pump	
JD 650G dozer	A	Smooth drum roller	I	6" pump	A
JD 750G dozer	A	sheepsfoot roller	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

3 No. of Laborers

Description of Construction Activity

Hardee dewatering, clearing, placing clay, grading clay - compacting

Burcaw has retrieved all sample material for 1st ~~15 Ac~~ 4 AC.

Placing clay, compacting, rolling in area delineated by coordinates N1251750 E599045, N1251750 E599085, N1251575 E598960, N1251560 E599000, N1251325 E598830, N1251375 E598760

+ sampling - being done for final grade sometimes remove sometimes add after tests

See attached drawings

List of Subcontractors

Burcaw Burcaw on site 10AM for density, Proctor tests.

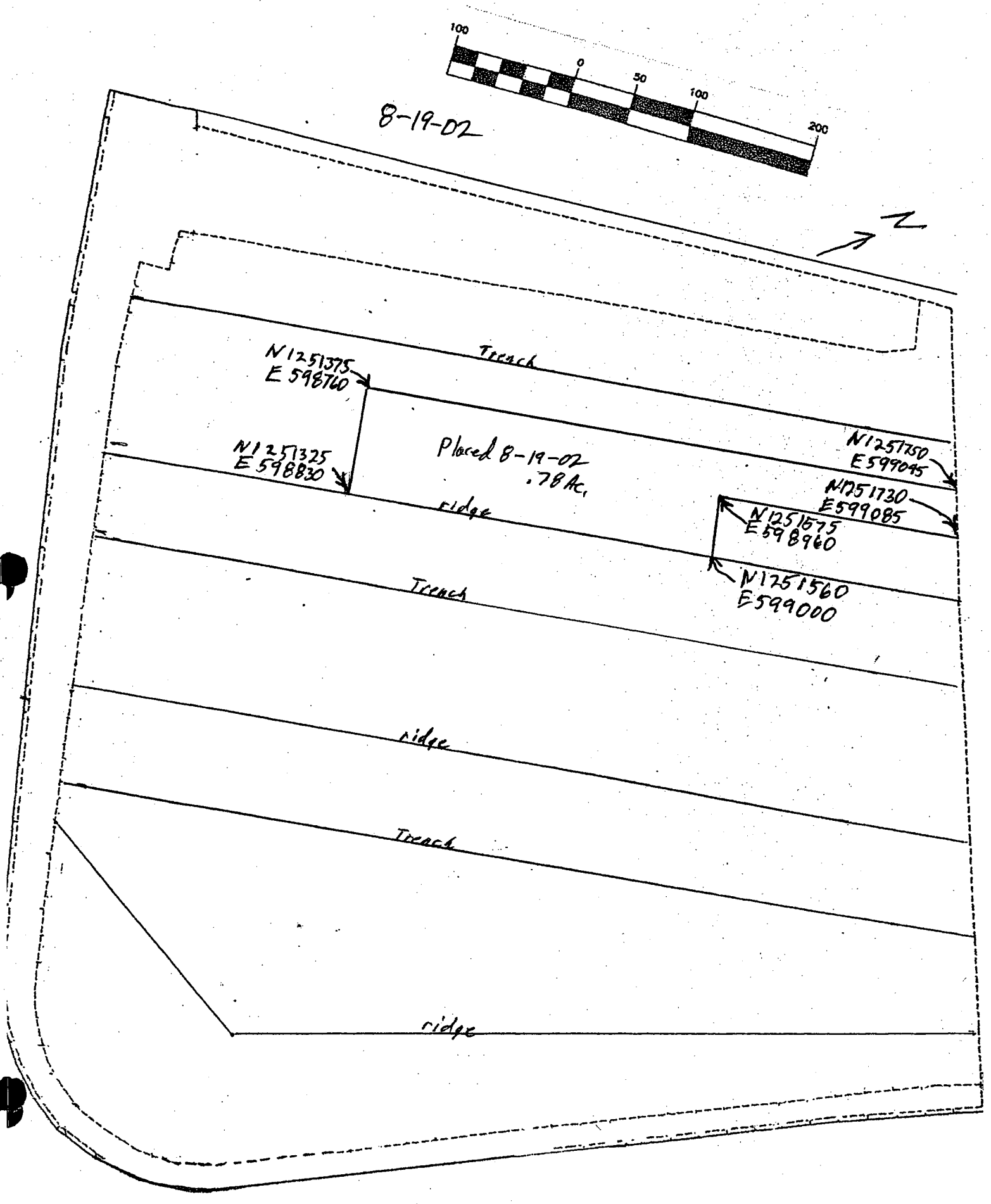
List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	~~2 Ac~~ .78	~~10,999,77~~ Ac

Field Representative Dennis K. DuPont Date 8-19-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files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0
50
100
200
8-19-02
N
Trench
N1251375
E598760
N1251325
E598830
Placed 8-19-02
.78Ac.
N1251750
E599095
N1251730
E599085
N1251575
E598960
N1251560
E599000
ridge
Trench
ridge
Trench
ridge

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion
Project number: 09700020.32
Owner: Hillsborough County
Contractor: Hendex
Date: 8-20-02
Contract Day: #16
Contract Duration:
Days Remaining:
at 1800hrs
Weather
Temperature: (AM) 85 (PM) 90 Rain: Trace Duration of rain:
Description of weather: clear to cloudy
List of Equipment on site: (A) for active (I) for idle

Water Truck	A	off road dump	A	JD Tractor W/disk	A
Cat 320 excavator	A	off road dump	A	3" Pump	I
JD 650G dozer	A	Smooth drum roller	A	4" Pump	I
JD 750G dozer	A	Sheepsfoot roller	A		

Personnel on site:
1 No. of Superintendents
3 No. of Skilled
4 No. of Laborers

Description of Construction Activity
Hendex grading for final survey on 1st 5 Ac, Cut & Fill with dozers. Will open - water or dry material as needed using Tractor w/disk Will Compact & blend material as needed.
Area for final grade bordered by coordinates N1251568 E599444, N1251598 E599378, N1251340 E599340, N1251400 E599230
Area needing .2 to .3 ft. fill (previous grading bed lazer set too low) bordered by coordinates N1251598 E599378, N1251630 E599310, N1251016 E598939, N1251072 E598884
Sub-base material placed in 8" loose lift near dividing berm bordered by coordinates N1251535 E598715, N1251495 E598770, N1251375 E598680, N1251420 E598620
See attached drawings

List of Subcontractors
Bennett Seed & Sod for Tractor work W/disk
Bureau on site To perform tests as needed

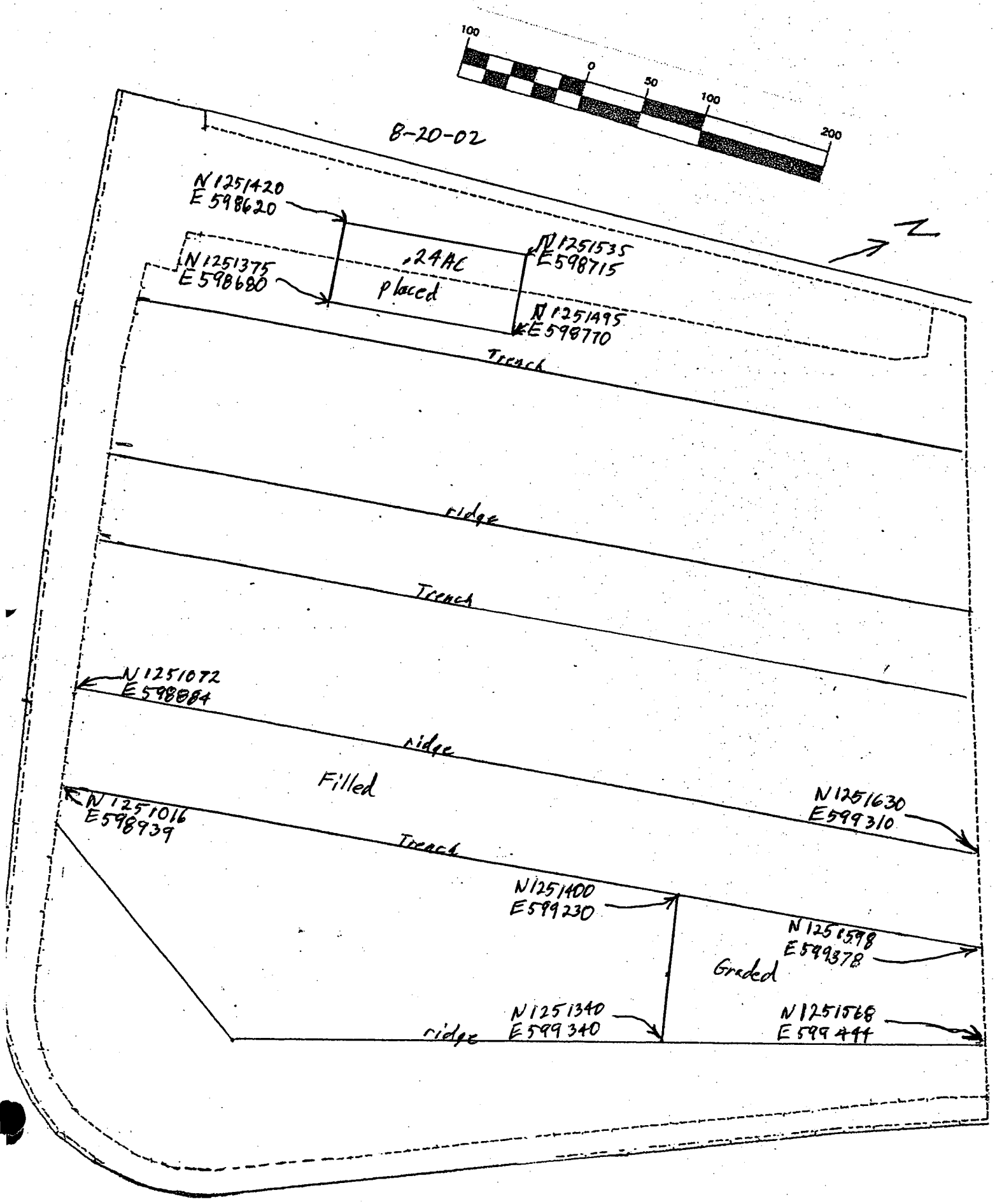
List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	.24 Ac.	10.01 Ac.

Field Representative Dennis A. Dulont Date 8-20-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files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200
8-20-02
N
N1251420
E598620
N1251375
E598680
.24AC
placed
N1251535
E598715
N1251495
E598770
Trench
ridge
Trench
N1251072
E598884
ridge
Filled
N1251016
E598939
N1251630
E599310
Trench
N1251400
E599230
N1251598
E599378
Graded
N1251340
E599340
ridge
N1251568
E599444

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hendex

Date: 8-21-02 Contract Day: 117 Contract Duration: _____

Days Remaining: ~~85~~ _____

Weather

Temperature: (AM) 85 (PM) 90 Rain: drizzle Duration of rain: _____

Description of weather: clear to cloud

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	off road dump	A	JD Tractor W/disk	
Cat 320 Excavator	A	off road dump	A	3" Pump	
JD 650G dozer	A	smooth drum roller	A	6" Pump	
JD 750G dozer	A	Sheepsfoot roller	A		

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

4 No. of Laborers

Description of Construction Activity Hendex grading, compacting, smoothing sub-base material. ~~Placing clay on dividing clay berm on W side.~~ Excavator broke hydraulic line - did not load any trucks after lunch. Opened area filled on 8-20-02 To allow To dry, Area is bordered by coordinates N1251598 E599378, N1251630 E599310, N1251016 E598939, N1251072 E598884 rolled and compacted Burcaw pulled tests to complete 1st 5 Ac. Grading in low area placing 2 to 3 ft. lift and breaking material and Bordered by Co-ordinates N1251122 E598772, N1251072 E598884, N1251630 E599310, N1251685 E599193

Sheepsfoot roller working in area of clay placed on 8-20-02 bordered by Co-ordinates N1251535 E598715, N1251495 E598770, N1251375 E598680, N1251420 E598620

See attached drawings

List of Subcontractors

Burcaw on site for testing density & pull Perms, all Testing done to Turned in Perms & densities ~~pending~~, and proctors pending

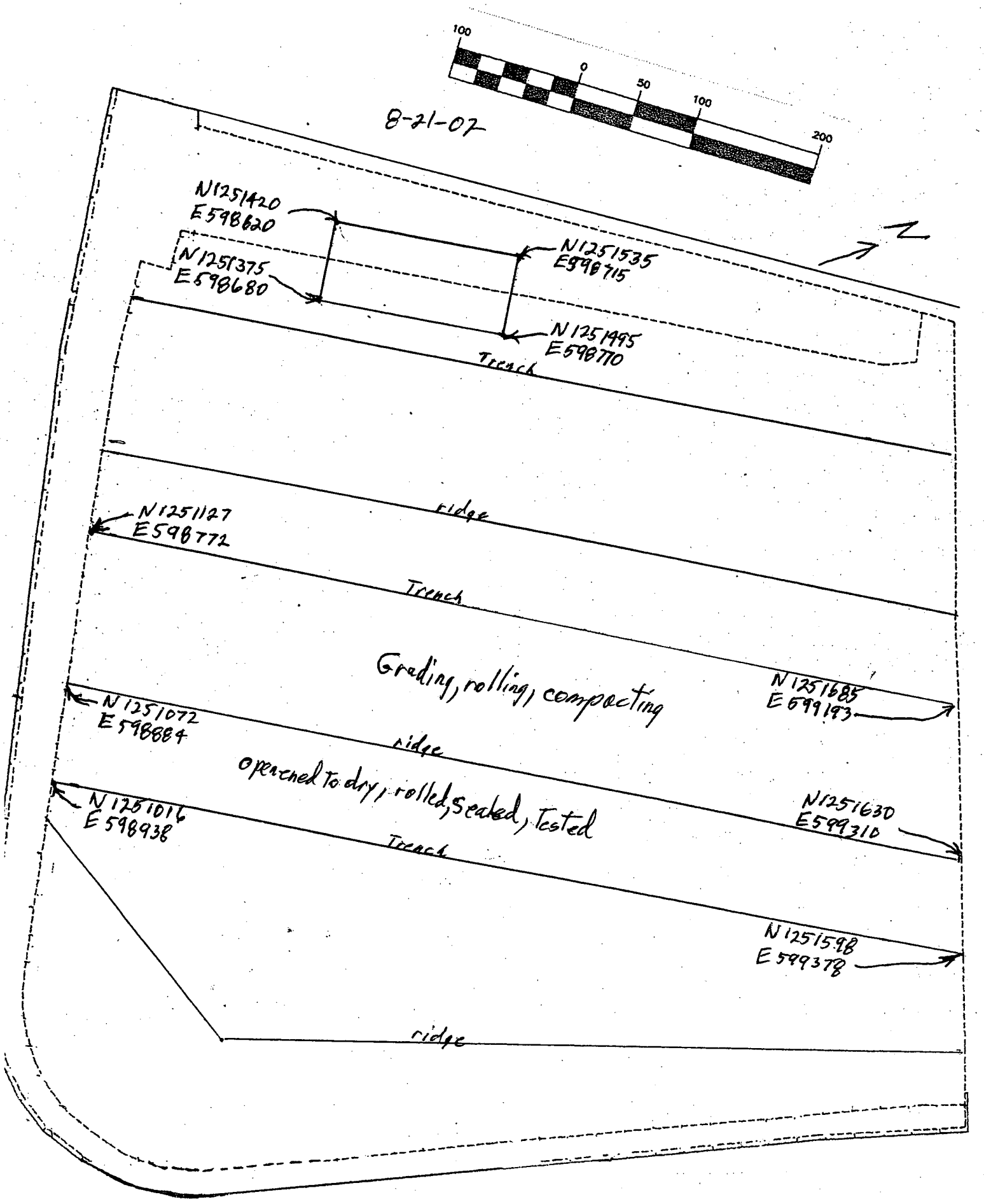
List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	none today	10.01

Field Representative Dennis A. DuPont Date 8-21-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files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100
200
8-21-07
N
N1251420
E598620
N1251535
E598715
N1251375
E598680
N1251495
E598770
Trench
ridge
N1251127
E598772
Trench
Grading, rolling, compacting
N1251685
E599193
N1251072
E598884
ridge
Opened to dry, rolled, Seaked, Tested
N1251630
E599310
N1251016
E598938
Trench
N1251598
E599378
ridge

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-22-02 Contract Day: #18 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 92 Rain: Duration of rain:

Description of weather: clear AM clear to cloudy PM

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	offroad dump	A	JD Tractor W/disk	A
Cat 320 Excavator	A	off road dump	A	3" pump	I
JD 650G dozer	A	Smooth drum roller	A	6" pump	I
JD 750G dozer	A	Sheepsfoot roller	A	Grader Fiat-allis	A

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

#5 1/2 (1 layed off 1/2 day) No. of Laborers

Description of Construction Activity Hardex using excavator even though hydraulic line is leaking - mixing clay. JD 650 dozer grading area bordered by coordinates N1251598 E599378, N1251630 E599310, N1251016 E598939, N1251072 E598884, Smooth drum roller maintaining cell, Water truck and sheepsfoot idle in AM, Sheepsfoot rolled secondividing berm bordered by coordinates N1251535 E598715, N1251495 E598770, N1251375 E598680, N1251420 E598620

Burcaw on site for field tests will have another 2½ AC covered.

Water truck keeping material moist since late AM. Smooth roller maintaing bottom and top of slope. Fiat Grader Grader dressing side slopes will move floor all followed by Smooth drum roller.

Matt - Asked us to have Gary Conaway Fed Ex - back to Pattie the AAR #2 & signed sealed ASAP. Lindsey talked with Brian - he would get Gary to take care of it.

Verified Burcaws test reports in trailer are up to date - missing Proctor data

Note: rainstorm from Sat. 8-17-02 night with 1.7" rain was pumped out of cell on Sun. 8-18-02 into retention pond C. Retention pond still holding water as of today, photo taken

List of Subcontractors

Bennett on site to operate Tractor W/disk

Burcaw on site for field Testing and collection of material ≈ 7.5 Ac complete - Tests in wait for results

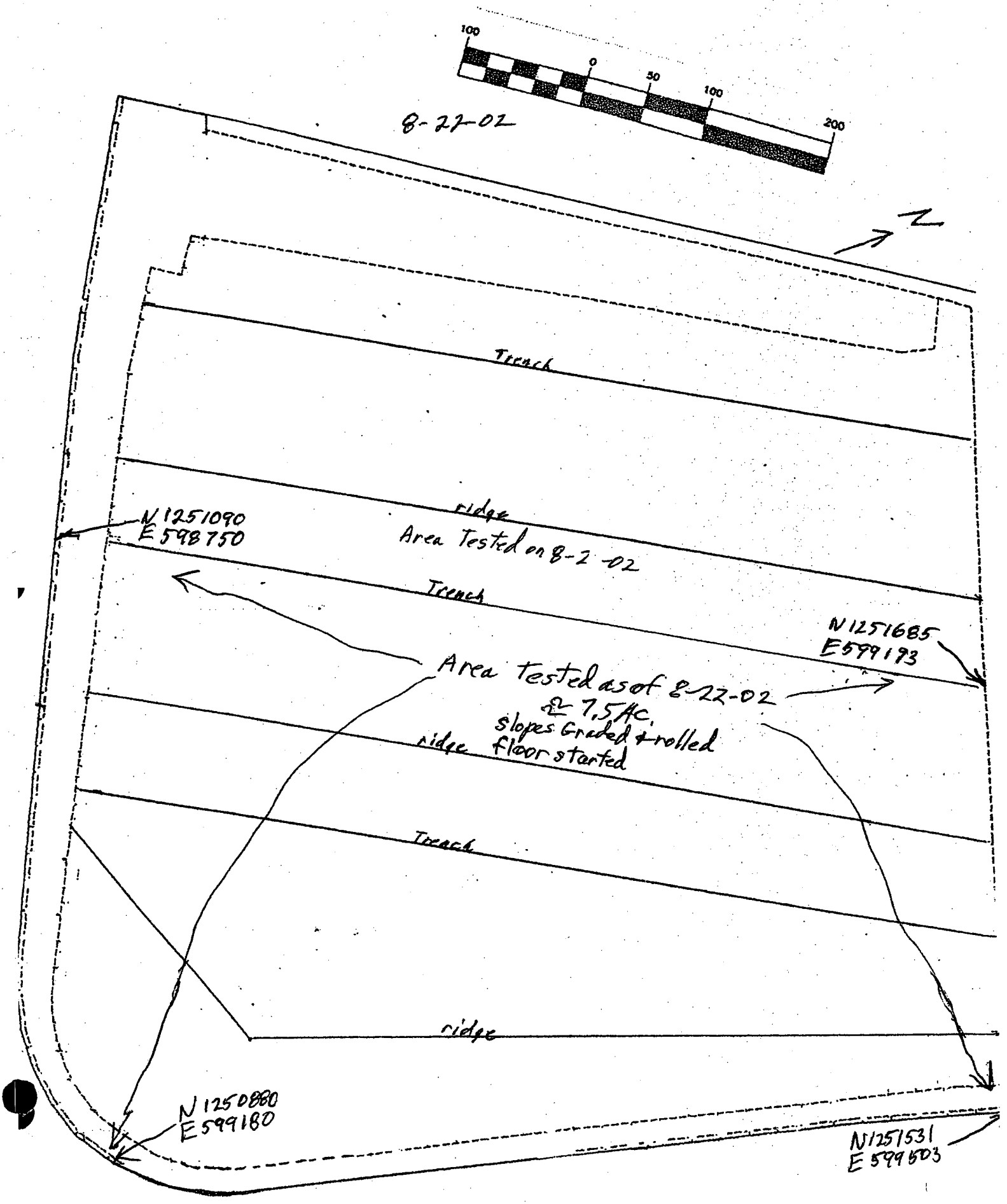
List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base		10.01

Field Representative Dennis L. Dufort Date 8-22-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files


100
0
50
100
200
8-22-02
N
Trench
ridge
N1251090
E598750
Area Tested on 8-2-02
Trench
N1251685
E599193
Area Tested as of 8-22-02
≈ 7.5 Ac.
Slopes Graded & rolled
ridge floor started
Trench
ridge
N1250860
E599180
N1251531
E599503

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 8-23-02 Contract Day: +19 Contract Duration: _____

Days Remaining: clear

Weather

Temperature: (AM) 85 (PM) 95 Rain: _____ Duration of rain: _____

Description of weather: clear +0

List of Equipment on site: (A) for active (I) for idle

Water Truck		off road dump	A	JD Tractor w/disk	A
Cat 320 Excavator	A	off road dump	A	3" Pump	I
JD 650G dozer	A	Smooth drum roller	A	6" Pump	I
JD 750C dozer	A	Sheepsfoot roller		Fiat Allis grader	A

Personnel on site:

1	3	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardee has smooth drum roller - maintaining cell area ready for surveyors bordered by coordinates N1251090 E598750, N1251685 E599193, N1251531 E599503, N1250880 E599180

Grader is doing some grading on roads for Matt

Other equipment on stock pile mixing and preparing clay for placement as sub-base.

Burcaw tested area bordered by coordinates N1251130 E598685, N1251090 E598750, N1251714 E599130, N1251685 E599193

Burcaw gave verbal of 30 perm tests run; 4 fail - #11 - 5×10^{-5}
#15 1.5×10^{-5}
#24 1.2×10^{-5}
#26 3×10^{-5}

Retention Pond C still holding water after water pumped in on 8-19-02

List of Subcontractors

Bennett Seed & Sod on site for un JD Tractor w/disk mixing clay

Burcaw on site for data collection and pull perms.

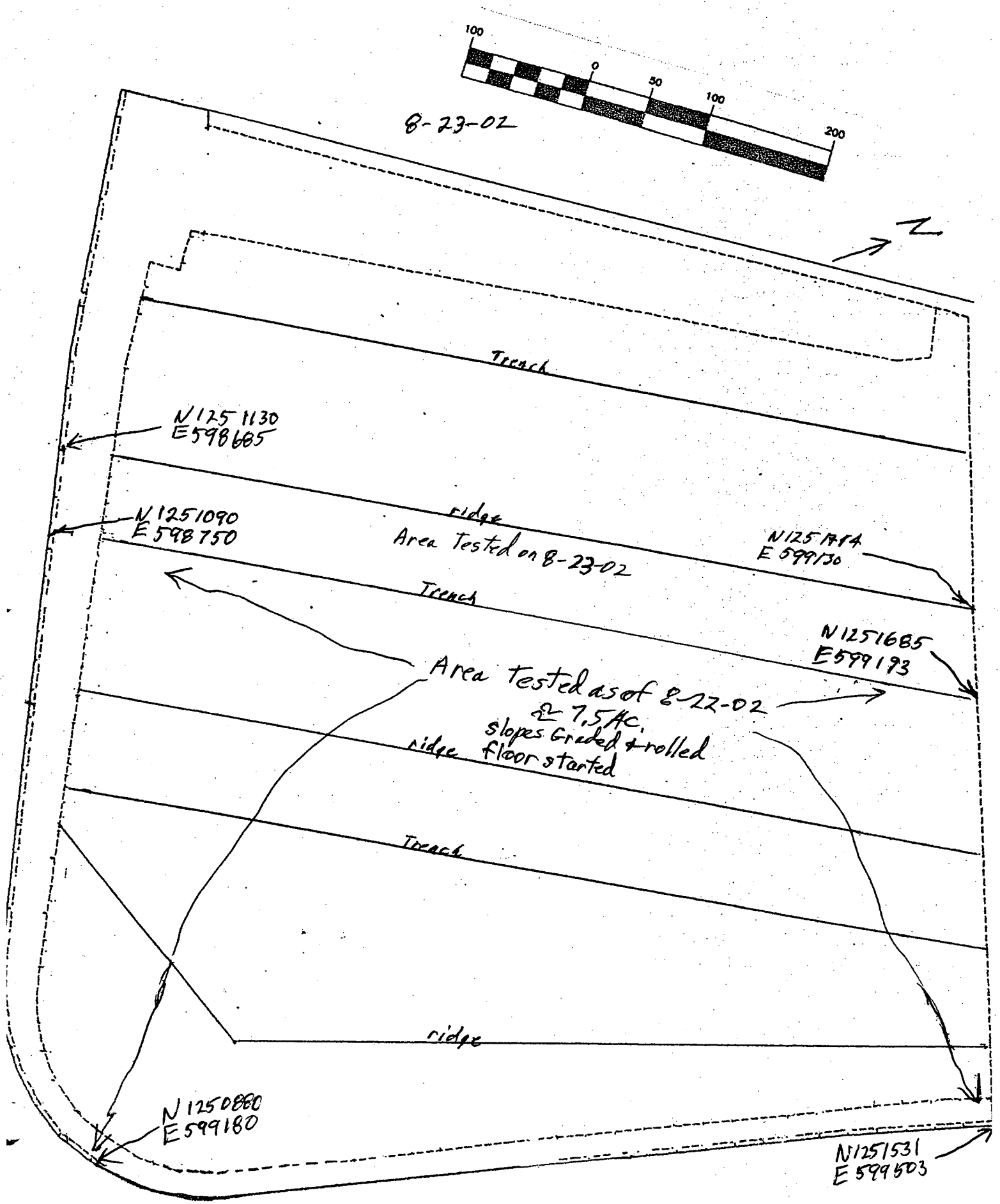
List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base		10.01

Field Representative _____ Date _____

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files


100
0
50
100
200
8-23-02
N
Trench
N1251130
E598685
ridge
N1251090
E598750
Area Tested on 8-23-02
N1251484
E599130
Trench
N1251685
E599193
Area Tested as of 8-22-02
≈ 7.5 Ac.
Slopes Graded & rolled
ridge floor started
Trench
ridge
N1250880
E599180
N1251531
E599503

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-24-02 Contract Day: +20 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 90 (PM) 95 Rain: — Duration of rain:

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	Offroad dump	A	JD Tractor W/ disk	I
3 Cat 320 Excavator	A	Offroad dump	A	3" Pump	I
JD 650G dozer		Sheepsfoot roller		6" Pump	I
JD 750G dozer	A	smooth drum roller	A	Fiat Allis grader	I

Personnel on site:

1 No. of Superintendents

3 No. of Skilled

4 No. of Laborers

Description of Construction Activity Hardex placing clay on sump area to Test Pad. Maintaing all area by rolling & debris pick-up. Subbase being placed on dividing berm. Areas of sub-base placed today are bordered by coordinates N125 1200 E 598580, N125 1130 E 598685, N125 1325 E 598830, N125 1375 E 598760, N125 1750 E 599045, N125 1721 E 599008 Area on dividing Berm is bordered by Coordinates N125 1535 E 598715, N125 1495 E 598770, N125 1730 E 598860, N125 1690 E 598910

Note: Retention Pond C still has water standing, one more day without rain and it will drain est 7 days to drain the 1.7" rain that was pumped into the pond from cell.

List of Subcontractors

Peninsula Design on site to survey second half of clay placed & Tested

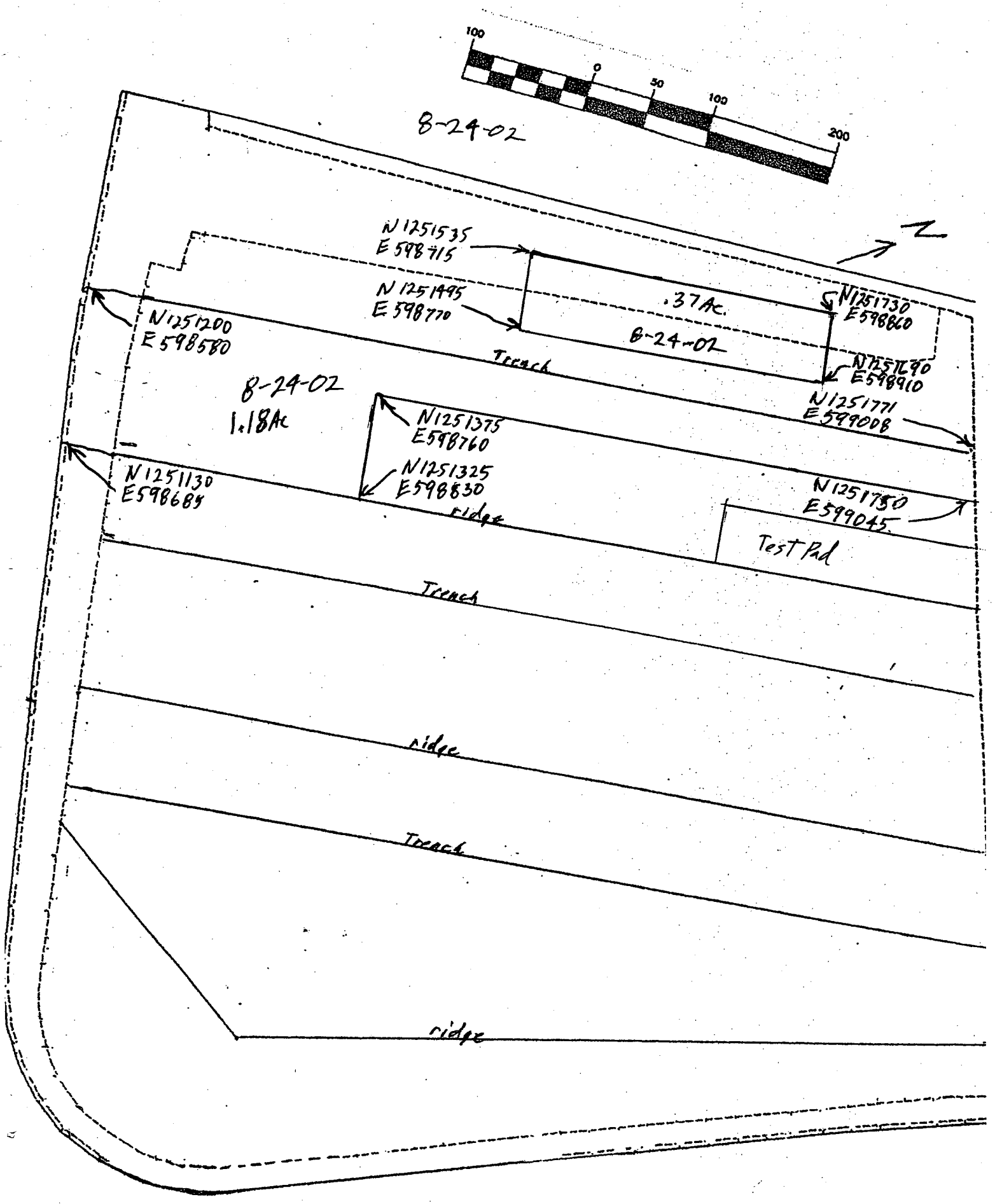
List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	1,55	10,56

Field Representative Dennis G. DuPont Date 8-24-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files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8-24-02
N
N1251535
E598715
N1251495
E598770
.37Ac.
8-24-02
N1251730
E598860
N1251790
E598910
N1251771
E599008
N1251200
E598580
Trench
8-24-02
1.18Ac
N1251375
E598760
N1251325
E598830
ridge
N1251130
E598684
N1251750
E599045
Test Pad
Trench
ridge
Trench
ridge

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-25-02 Contract Day: +21 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity No Activity this day.

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	_____	11.56

Field Representative Dennis R. DuPont Date 8-25-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: HANDEX

Date: 8/26/02 Contract Day: +22 Contract Duration: _____

Days Remaining: _____ 0.7 rain last night.

Weather

Temperature: (AM) _____ (PM) _____ Rain: X Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

750 Dozer (A)	320 Excavator (A)
650 Dozer (A)	6" Water pump
TA25 Truck (A)	
TA25 Truck (A)	

Personnel on site:

_____ No. of Superintendents _____ No. of Skilled _____ No. of Laborers

Description of Construction Activity

Sunday (8/25/02) had rain ∴ site very wet and no work on base.
Pump out SW cell corner
Worked on berm until 1PM

RAIN OUT (rain @ 1PM)

List of Subcontractors

_____ _____ _____ _____

List of Materials Delivered

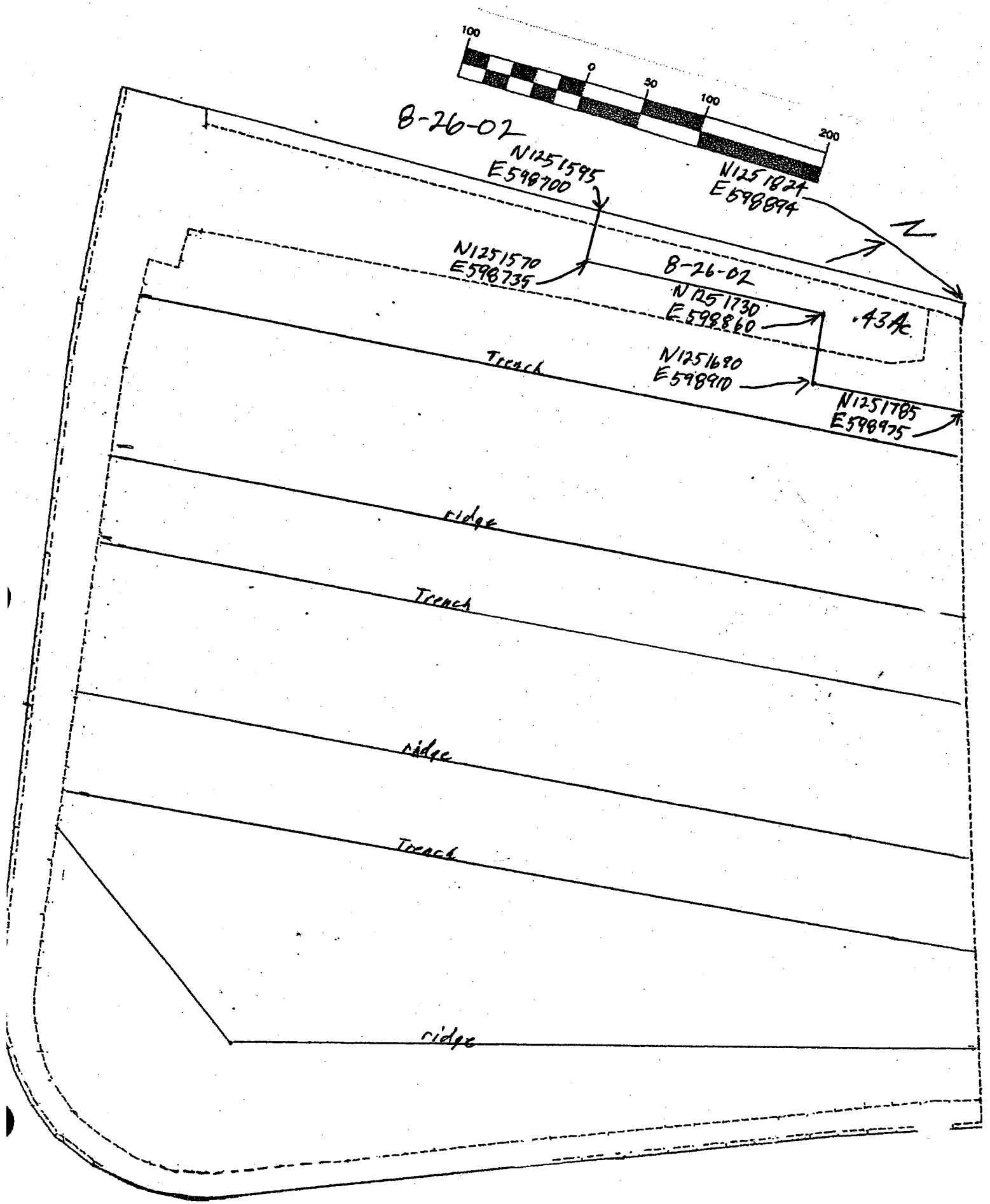
_____ _____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	.43 Ac.	11.99

Field Representative _____ Date _____

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files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B-26-02
N1251595
E598700
N1251824
E598894
N
N1251570
E598735
B-26-02
N1251730
E598860
.43Ac
Trench
N1251690
E598910
N1251785
E598975
ridge
Trench
ridge
Trench
ridge

SCS ENGINEERS DAILY FIELD REPORT

Project: Section T Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-27-02 Contract Day: +23 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather:

List of Equipment on site: (A) for active (I) for idle

3" Pump	A		
6" Pump	A		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	

Description of Construction Activity Hardex running pumps, no other activity due to rain.

Progress meeting #32

Left for office

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base		11,99

Field Representative Dennis L. DuPont Date 8-27-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 8-28-02 Contract Day: +24 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 85 (PM) 90 Rain: 0.2 Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	Offroad dump	A	JD Tractor w/disk	I
Cat 320 Excavator	A	Offroad dump	I	2" Pump	I
JD 650G dozer	A	Sheepsfoot roller	I	6" Pump	I
JD 750G dozer	I	Smooth drum roller	A	Flatallis grader	A

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	

Description of Construction Activity Hardex repairing roads in front of Trailers and road between liner storage area and tire shredding area.

List of Subcontractors

_____

List of Materials Delivered

_____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base		11.99

Field Representative Dennis M. DuPont Date 8-28-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 8-29-02 Contract Day: +25 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 90 Rain: 1.3" Duration of rain: began at 1645

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	Off road dump	A	JD Tractor w/disc	A
Cat 320 Excavator	A	Off road dump	A	3" Pump	I
JD 650G dozer	A	Sheeps foot roller	I	6" Pump	I
JD 750G dozer	A	Smooth drum roller	A	Fiat allis grader	I

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Handex disked up section to dry, Placing clay on dividing berm.
Test 15 - moisture up more than we expected failed when failed compaction was 97% - good pulled another perm at Test # ~~[illegible]~~ 15, 24, 26 moisture low sand filled up added water, rolled pulled new perms labeled 15a, 11a, 24a and 26a. Verbal from Burcaw - remaining Tests run to Test #56 only those tests 11, 15, 24 and 26 failed, all else passed, only verbal.
Area disked up to process - add water - bordered by coordinates N1251771 E599008, N1251730 E599085, N1251575 E598960, N1251560 E599000, N1251179 E598722, N1251241 E598608
Clay placed 2 Areas Today border by ~~coord~~ coordinates N1251595 E598700, N1251570 E598735, N1251380 E598590, N1251410 E598550 and by N1251785 E598975, N1251771 E599008, N1251360 E598700, N1251375 E598680

List of Subcontractors
Burcaw on site to locate failed perms - for Handex to rework.

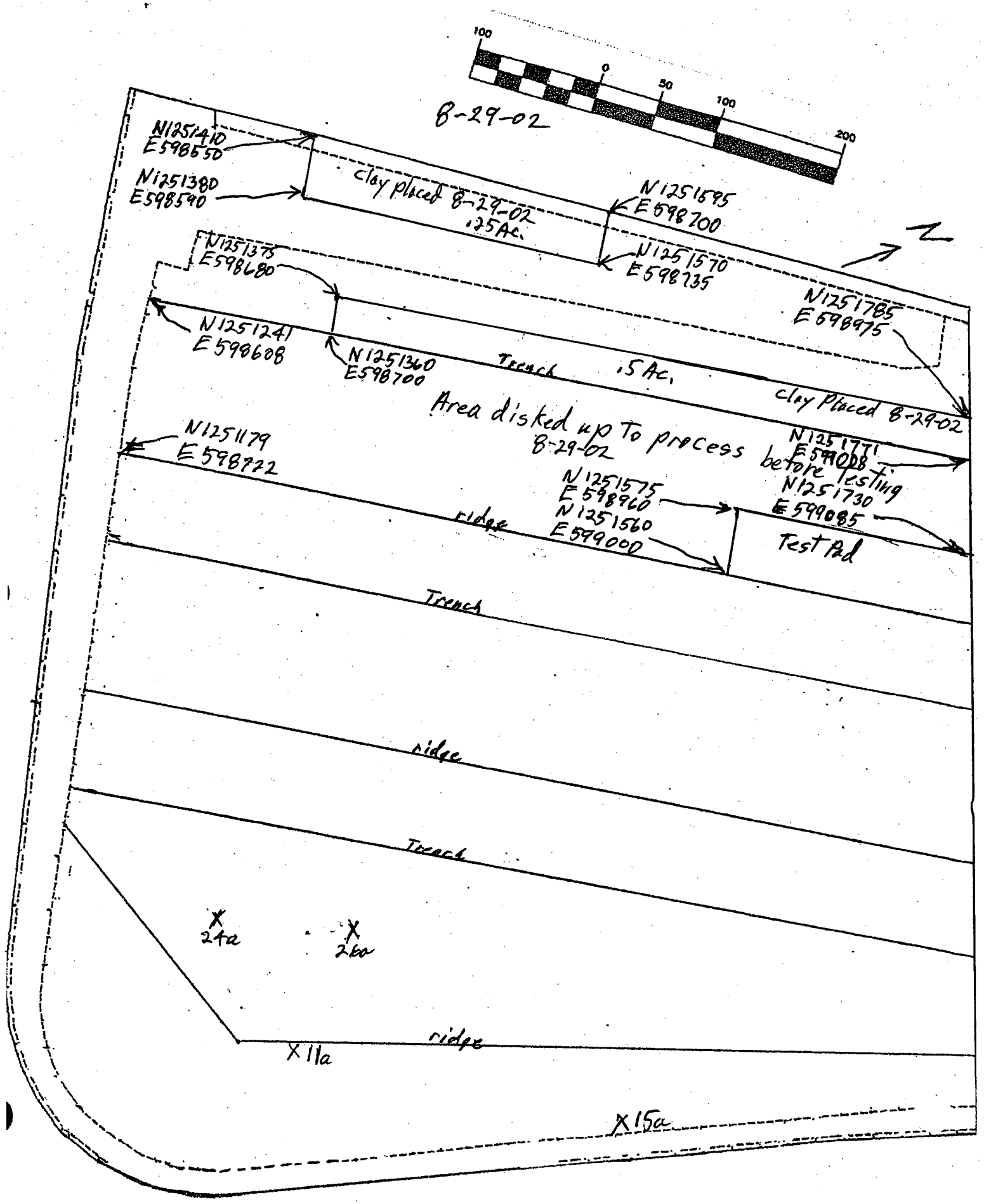
List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	.75	12.74

Field Representative Dennis G. DuPont Date 8-29-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files


100
0
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200
B-29-02
N1251410
E598550
N1251380
E598590
clay placed 8-29-02
.25Ac.
N1251595
E598700
N1251570
E598735
N
N1251375
E598680
N1251241
E598608
N1251360
E598700
Trench
.5Ac.
N1251785
E598975
clay placed 8-29-02
Area disked up To process before testing
8-29-02
N1251179
E598722
N1251771
E599008
N1251575
E598960
N1251560
E599000
N1251730
E599085
ridge
Test Pad
Trench
ridge
Trench
X14a
X16a
X11a
ridge
X15a

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 9-30-02 Contract Day: +26 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 90 Rain: ~~1.3~~ 0.3 Duration of rain: rain began about 1530 still light rain at 1800

Description of weather: clear to cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	Off road dump	I	JD Tractor w/ disk	I
Cat 320 Excavator	A	Off road dump	I	3" Pump	A
JD 650G dozer	A	Sheepsfoot roller	I	6" Pump	A
JD 750G dozer	I	Smooth drum roller	I	Fiat Allis grader	I

Personnel on site:

1 No. of Superintendents

2 No. of Skilled

2 No. of Laborers

Description of Construction Activity Hardee dumped down cell from last nights rain. General clean up, routine maintenance, closing up bales in stockpile Too wet to place clay or roll or anything worked on some drainage control.

At end of day about 1630 check inlet in retention Pond C. Pond level over conc. at inlet - shut pumps down. Called Barry left message - Called D.B. at 1700 left message. D.B. called right back DB get hold of Barry - no pumping.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
subbase		12.74

Field Representative Dennis R. Dufort Date 9-30-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 01200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 8-31-02 Contract Day: T27 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 95 Rain: 0.5 Duration of rain:

Description of weather: clear to partly cloudy to cloudy

List of Equipment on site: (A) for active (I) for idle

Water truck	I	off road dump	I	JD Tractor W/disk	I
Cat 320 excavator short	A	off road dump	I	3" pump	short time
JD 650G dozer	A	sheepsfoot roller	A	6" pump	short time
JD 750G dozer	A	Smooth drum roller	A	Flat Hill's grader	I

Personnel on site:

1 No. of Superintendents

2 No. of Skilled

0 No. of Laborers

Description of Construction Activity Hardex building a way to divert water to other retention Pond and away from Pond C. Basin D Basin

Hardex attempting to dry clay-sub-base in area near sump. Processing area for grade and testing next week. Area is bordered by coordinates N125 1771 E 599008, N125 1730 E 599085, N125 1575 E 599960, N125 1560 E 599000, N125 1130 E 598685, N125 1200 E 598580

List of Subcontractors

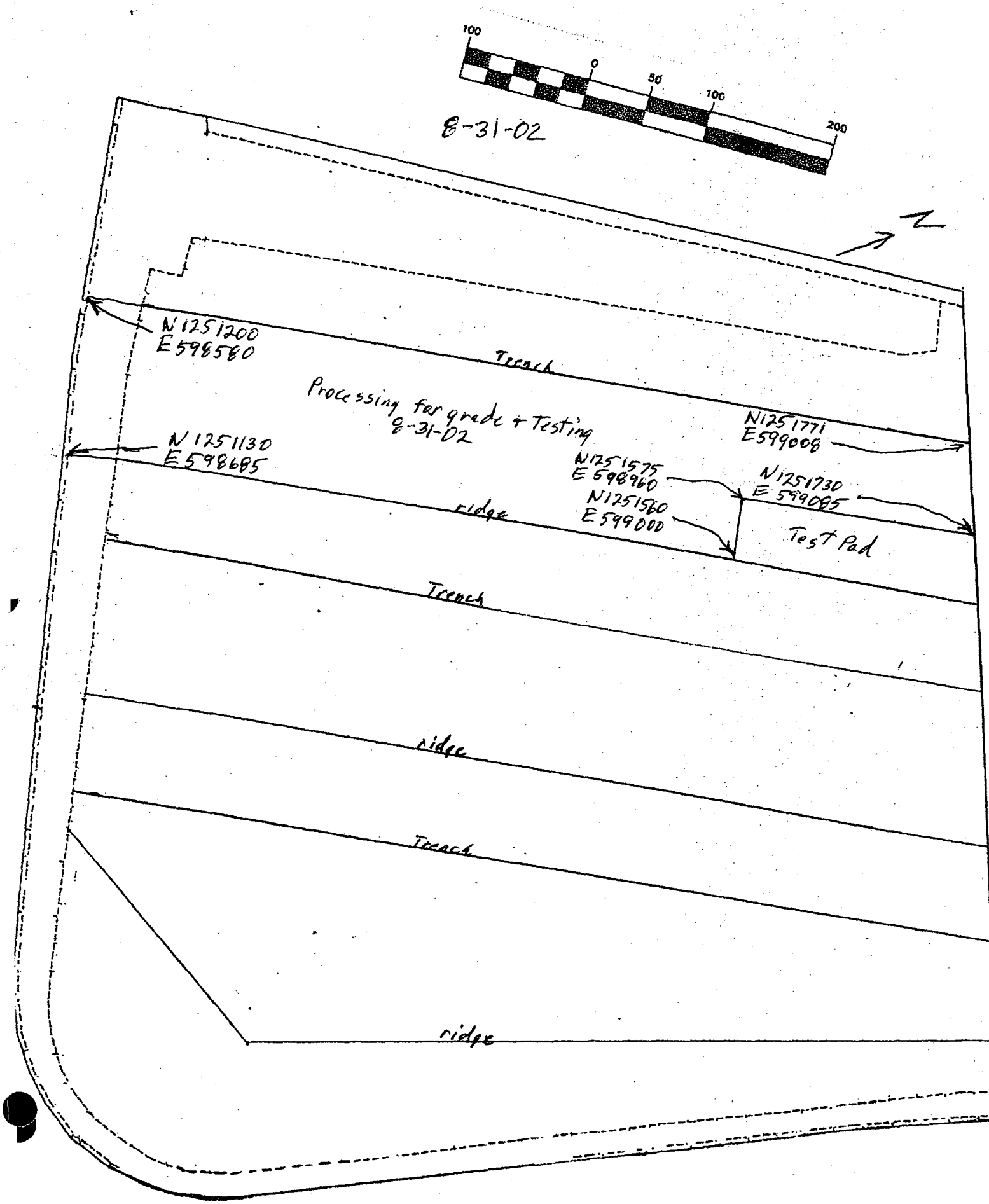
List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base		12,174

Field Representative Dennis D. DuPont Date 8-31-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files


100
0
50
100
200
8-31-02
N
N1251200
E598580
Trench
Processing for grade + Testing
8-31-02
N1251771
E599008
N1251130
E598685
N1251575
E598960
N1251730
E599085
N1251560
E599000
ridge
Test Pad
Trench
ridge
Trench
ridge

SCS ENGINEERS DAILY FIELD REPORT

ect: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Harder

Date: 9-1-02 Contract Day: +28 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 85 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Water Truck		offroad dumps		JD Tractor W/disk	I
Cat 320 Excavator	A	offroad dump		3" Pump	
JD 650G dozer	A	Sheepsfoot roller		6" Pump	
JD 750G dozer		Smooth drum roller	A	Fiat Allis grader	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	

Description of Construction Activity Harder cutting leachate collection Trenches — To dry — Smooth drum roller - rolling entire cell floor

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base		12,74

Field Representative Dennis R DuPont Date 9-1-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 9-2-02 Contract Day: +29 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) (PM) Rain: Duration of rain:

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents No. of Skilled No. of Laborers

Description of Construction Activity No Activity Today Holiday

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base		12,74

Field Representative Dennis M. DuPont Date 9-2-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 9-3-02 Contract Day: +30 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 95 Rain: — Duration of rain:

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	off road dump	A	JD Tractor W/Disk	I
Cat 320 Extavator	A	off road dump	A	3" pump	I
JD 650G dozer	A	sheepsfoot roller	I	6" pump	I
JD 750G dozer	I-A	Smooth drum roller	A	Fiat Allis grader	I

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	4

Description of Construction Activity Hardee demucking sump area in cell. Sub-base material placed in sump area to seal off will need to dig sump later. Next area to be Tested - a lift thin on sub-base will need to add material, grade, compact, and test. Clay placed today in sump area between Top of dividing berm and 1st trench on W. side, bordered by coordinates N1251420 E598620, N1251360 E598700, N1251200 E598580, N1251265 E598495

List of Subcontractors

Burrow on site for depth checks for 6" clay - holes Backfilled with Baytosite & clay compacted as per specs, checks Taken in Trenches & Slopes - used hand auger

List of Materials Delivered

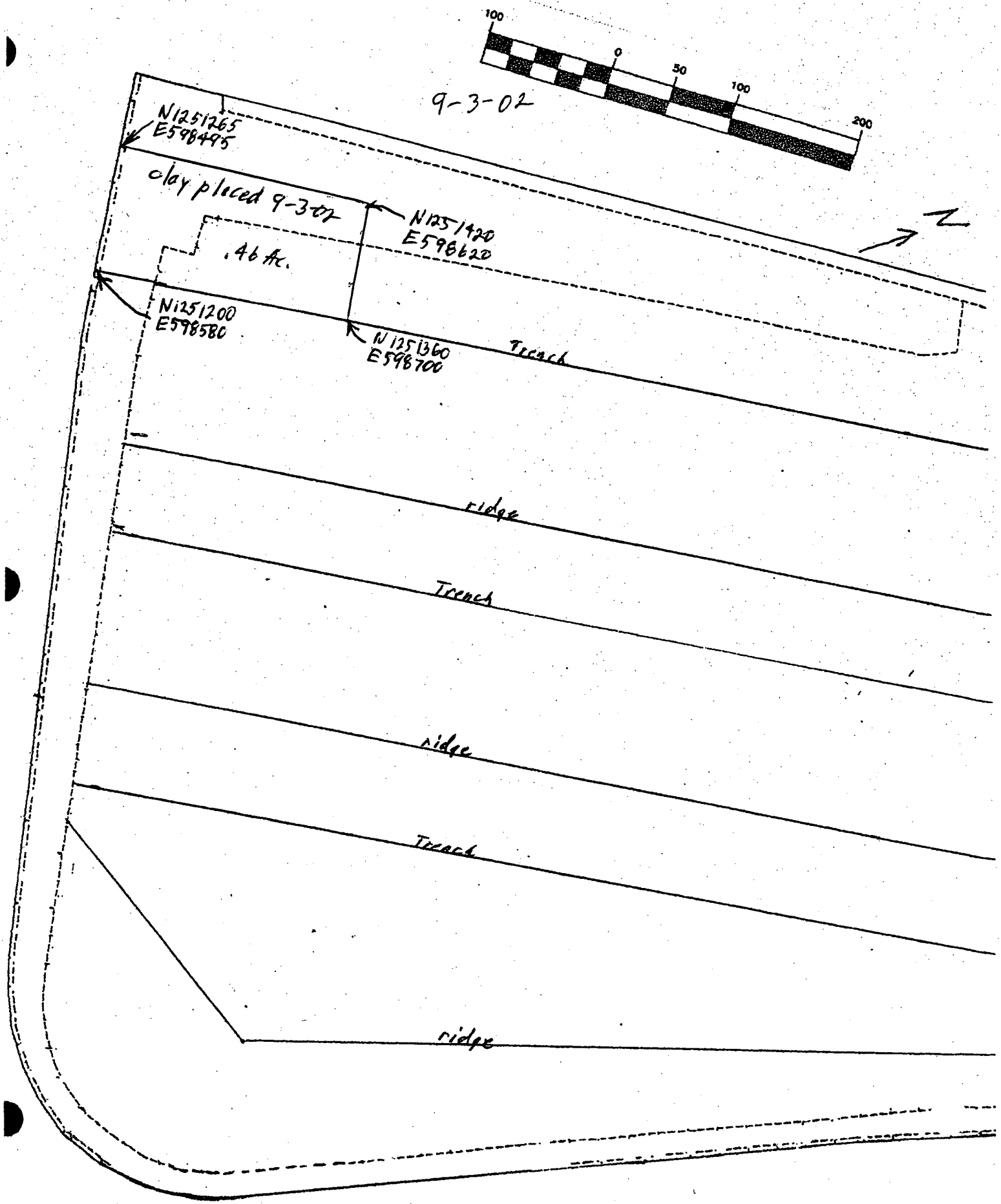
~~2 Truck loads of rock - Hurley for Waste Management Inc.~~

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	.46 Ac.	13.2

Field Representative Dennis D. DuPont Date 9-3-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files


100
0
50
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9-3-02
N1251265
E598495
clay placed 9-3-02
.46 Ac.
N1251420
E598620
N
N1251200
E598580
N1251360
E598700
Trench
ridge
Trench
ridge
Trench
ridge

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hendrix

Date: 9-4-02 Contract Day: +31 Contract Duration:

Days Remaining: clear

Weather

Temperature: (AM) 88 (PM) 98 Rain: — Duration of rain:

Description of weather: Clear

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	offroad dump	A	JD Tractor w/disk	A
Cat 320 Excavator	A	offroad dump	A	3" Pump	I
JD 650G dozer	A	sheepsfoot roller	A	6" Pump	I
JD 750G dozer	A	Smooth drum roller	A	Flat Allis grader	

Personnel on site:

1 No. of Superintendents | 3 No. of Skilled | 4 No. of Laborers

Description of Construction Activity Hendrix repairing seep in wall in S. Corner plugging with clay, Both rollers on E. side of dividing berm. Graded with 650 dozer material put down yesterday. Placing Sub-base material on W. side of dividing berm. Compacting & rolling with both rollers. Setting lazer on dozer for grading.

Clay placed in area bordered by Coordinates N125141OE598550, N125138OE598590, N125126SE598495, N125130OE598450

Progress Meeting #33

Placing clay in area graded Too low bordered by coordinates N125150OE598810, N125143OE599910, N125117SE598722, N125124E598608

Area on and near dividing berm being compacted and rolled bordered by coordinates N125192SE598894, N125177E599608, N125120OE598580, N125130OE598450

List of Subcontractors

Peninsula Design on site to set grade points

Bennett on site to disk up an area too low to test.

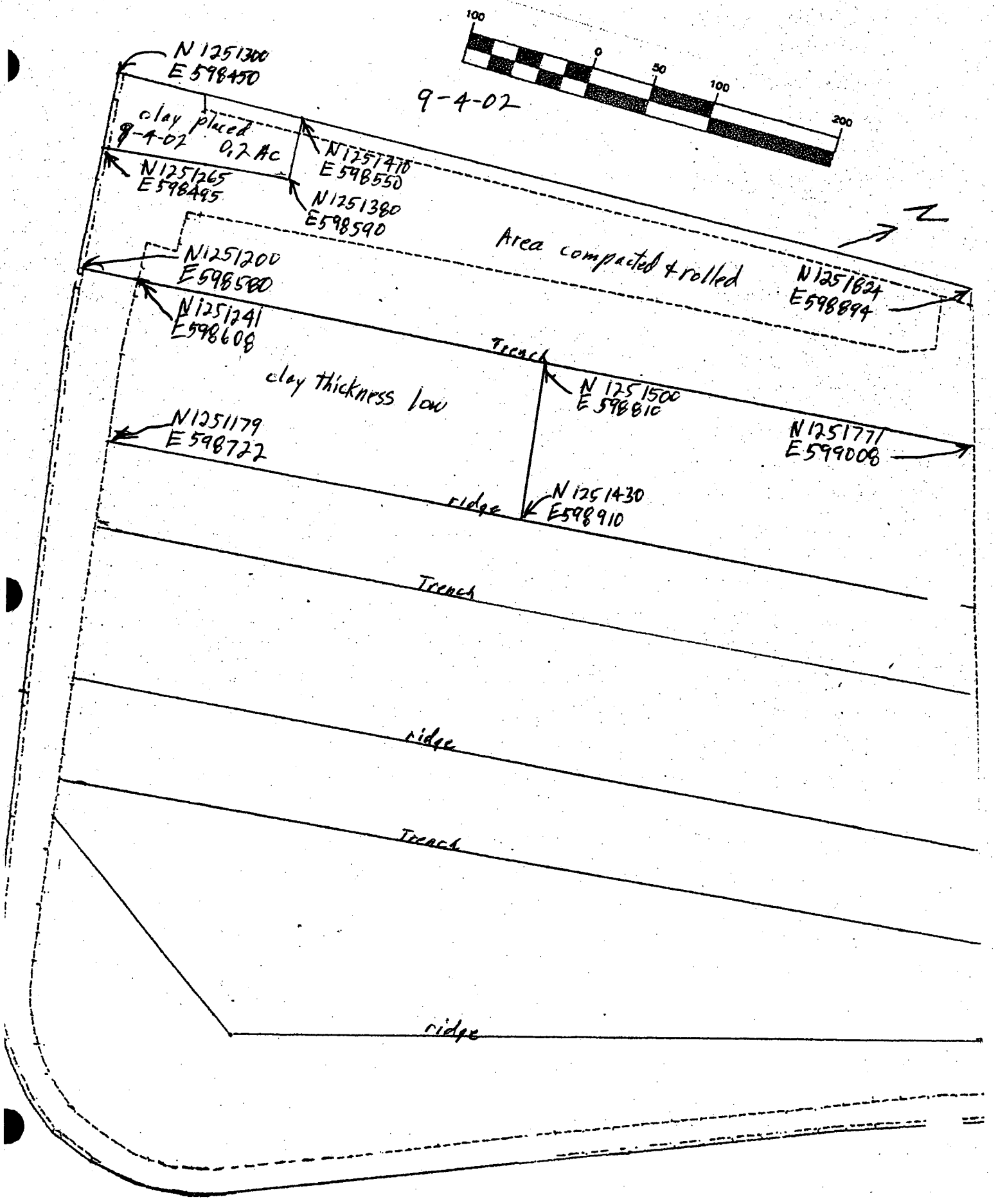
List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Sub-base	.2 Ac.	13.4 Ac.

Field Representative Dennis G. DuPont Date 9-4-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files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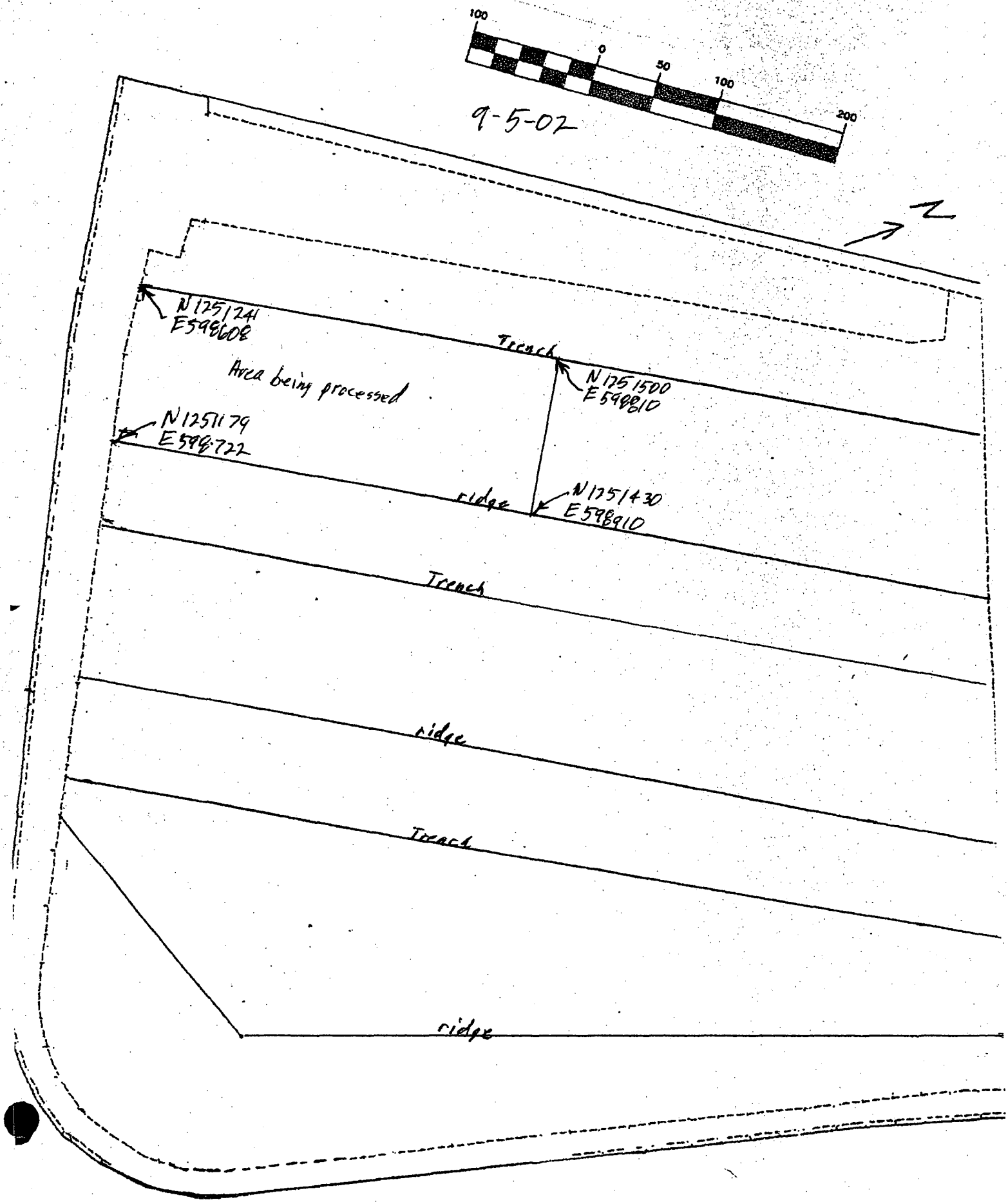
9-4-02
N 1251300
E 598450
clay placed
9-4-02
0.2 Ac
N 1251410
E 598550
N 1251265
E 598495
N 1251380
E 598590
Area compacted + rolled
N 1251200
E 598580
N 1251824
E 598894
N 1251241
E 598608
Trench
clay thickness low
N 1251500
E 598810
N 1251179
E 598722
N 1251771
E 599008
ridge
N 1251430
E 598910
Trench
ridge
Trench
ridge


100
0
50
100
200
9-5-02
N
N 1251241
E 598608
Trench
Area being processed
N 1251500
E 598810
N 1251179
E 598722
ridge
N 1251430
E 598910
Trench
ridge
Trench
ridge

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 9-6-02 Contract Day: +33 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 85 (PM) 95 Rain: Trace Duration of rain: _____

Description of weather: clear — cloudy late PM

List of Equipment on site: (A) for active (I) for idle

water Truck	I	offroad dump	A	JD Tractor w/disk	I
Cat 320 excavator	A	offroad dump	A	3/4 Pump	I
JD 650 H dozer	A	smooth drum roller	A	6" Pump	I
JD 750 G dozer	A	smooth drum roller	A	Fiat Allis grader	A

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	5

Description of Construction Activity Handex grading and processing sub-base where fill was needed — doing some equipment maintance and site maintnace.

Burcow & SCS checked depths at points which showed clay thickness less than 6" area had material brought in, processed re-surveyed 3 points which were low ± -1" all points now equal or exceed 6" of sub-base material, test holes repaired with clay-bentonite mix and compacted to specs.

Rolling cell area — building up end of dividing berm which was low. Generally getting remainder of cell ready for survey and tests prior to Liner

GSE equipment delivered to site Volvo L70C Front end loader and Omni Quip 10K-54 extension Fork

List of Subcontractors

Burcow on site for testing sub-base and depth checks

Peninsula Design on site for survey of low areas of sub-base thickness

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
		13.4

Field Representative Dennis B. DuPont Date 9-6-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

ct: Section I Capacity Expansion Project number: 09800020.32

vner: Hillsborough County Contractor: Hardex

ite: 9-7-02 Contract Day: +34 Contract Duration: _____

ays Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: 0.75 last night start @ 1700hrs. Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck	off road dump	JD Tractor W/disk	
Cat 320 Excavator	off road dump	3" Pump	A
JD 650H dozer	Smooth drum roller	6" Pump	I
JD 750G dozer	Smooth drum roller	Flat Allis grader	

Personnel on site:

1 — No. of Superintendents

2 — No. of Skilled

3 — No. of Laborers

Description of Construction Activity Hardex, Pumped out cell to basin D. Sub-base wet from rain - should dry + Turning up area near dividing berm to dry material may be by noon will smooth drum roll areas near berm To get ready for A Testing + survey next week - monday

Floor of cell Too wet to roll until late in day - laborers wanted to go early

Rough grading - only - at area near dividing berm.

Rolling to seal before leaving site

GSE - Volvo L70C Front loader, Omni Quip 10K-54 extension Fork

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. DuPont Date 9-7-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09700020.32

Owner: Hillsborough County Contractor: Harder

Date: 9-8-02 Contract Day: +35 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity No Activity Today

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuBois Date 9-8-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200026.32

Owner: Hillsborough County

Contractor: Hardex

Date: 9-9-02 Contract Day: T36 Contract Duration:

Days Remaining:

Weather Trace at night

Temperature: (AM) 86 (PM) 95 Rain: Duration of rain:

Description of weather: Partly cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck	off road dump	3" Pump, 6" pump I I
Cat 320 excavator	off road dump	Fiat Allis grader
JD650H dozer	Smooth drum roller	Volvo Front loader
JD750G dozer	Smooth drum roller	Omni Quip ext. Fork

Personnel on site:

1 Hardex 1 GSE — No. of Superintendents

2 Hardex 2 GSE — No. of Skilled

3 Hardex 9 GSE 3-4 more coming — No. of Laborers

Description of Construction Activity JD Tractor w/disk - removed from site This AM, GSE on site + setting up - getting equip out - filling about 5,000 sandbags
Burcaw on site to take samples and run tests
Peninsula Design on site to set location stakes - liner limits and Toe of berm W. side.
Hardex grading on and near dividing berm rolling compacting.
Hardex will start anchor Trench for GSE liner

List of Subcontractors

Burcaw on site for more samples & tests

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 9-9-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Henkels

Date: 9-10-02 Contract Day: +37 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 96 Rain: 2.5" Duration of rain: start 1640 end about 1800 hr. 20 min about

Description of weather: clear → cloudy

List of Equipment on site: (A) for active (I) for idle

Smooth drum roller	A	Volvo Front loader	A	Water Truck	I
Smooth drum roller	A	Omni. Quip ext. Fork	A	Fiat Allis grader	I
JD 650H dozer	A	offroad dump	I		
Cat 320 excavator	A	offroad dump	I		

Personnel on site:

1 Henkels 1 GSE
No. of Superintendents

2 Henkels 1 Tech.
No. of Skilled

3 Henkels
No. of Laborers

Description of Construction Activity Just a Trace of rain last night some dewater the 3" pump. GSE laying 60 mil Tex on E. side going from N. to S just To begining of curve then switched to bottom of cell laying panels S. to N. away from E. slope. rain came work stopped

List of Subcontractors

GSE laying liner

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 9-10-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Headex

Date: 9-11-02 Contract Day: +38 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: Trace Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

_____ No. of Superintendents

_____ No. of Skilled

_____ No. of Laborers

Description of Construction Activity Headex pumping water from last night. GSE came out to look at site not able to work. worked on paper work finished meeting minutes, went to FedEx and to office. No other activity by Headex

List of Subcontractors

_____

List of Materials Delivered

_____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 9-11-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Headex

Date: 9-12-02 Contract Day: +39 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: 0.65 Duration of rain: afternoon until?

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity Headex maintained water control. attempted to be clean up trenches and roll area before rain. GSE did not work.

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 9-12-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project number: 09200020.32

Project: Section I Capacity Expansion

Contractor: Handex

Owner: Hillsborough County

Date: 9-13-02 Contract Day: +40 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity Handex pumping water from 0.65 in rain yesterday - back to Try cleaning trenches.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuPont Date 9-13-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 9-14-02 Contract Day: 141

Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) Rain: 0.5 Duration of rain: Start at 1700hrs.

Description of weather: partly cloudy To cloudy

List of Equipment on site: (A) for active (I) for idle

Water truck	I	Off road dump	I	Flat Allis grader	I-A
Cat 320 excavator	I	off road dump	I	Volvo Front loader	A
JD 650H dozer	A	Smooth drum roller	A	Omni Quip ex T Fork	A
JD 750E dozer	I	Smooth drum roller	A		

Personnel on site:

1 Handex 1 GSE — No. of Superintendents

2 Handex 1 4 GSE — No. of Skilled

3 Handex — No. of Laborers

Description of Construction Activity Handex grading compacting and rolling material near dividing berm to dry material and get ready for surveyors. remainder is ready for survey and testing

GSE placing liner & detailing

Handex graded roads in front of GSE Trailer

List of Subcontractors

GSE placing liner

Peninsula Design on site for about 1 hr then left

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Liner Secondary	113,332 ft.² ≈ 100,000 ft sq	~~1,440,395~~ 194,039

Field Representative Dennis R. DuPont Date 9-14-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

Installer: GSE

Address: 19103 GUNDLE RD.
HOUSTON TX.

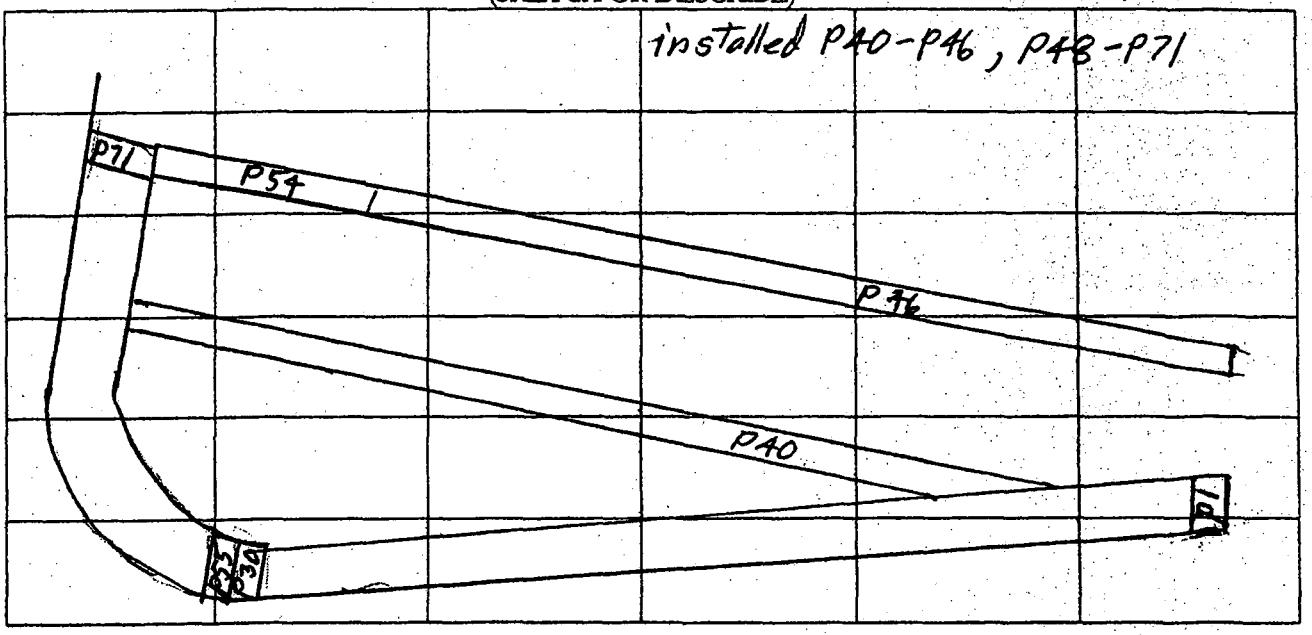
Project name: Section I Capacity Expansion

Project location: South East County
Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE
(Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations. Acceptance of the subgrade surface considers that at the time the geomembrane is placed, the structure of the underlying soil surface, which is the responsibility of others, meets or exceeds the project specifications.

JOSEPH COLETTO	SUPT.
NAME	TITLE
Joseph Coletto	9-14-02
SIGNATURE	DATE
L. Glass	9-17-02

Certification received by SCS

Dennis G. DuPont	Resident Engineer
NAME	TITLE
Dennis A. DuPont	9-14-02
SIGNATURE	DATE

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 9-15-02 Contract Day: +42 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 95 Rain: Duration of rain:

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	off road dump	I	Fiat Allis grader	A
Cat 320 Excavator	A	off road dump	I	Volvo Front loader	A
JD 650 H dozer	A	Smooth drum roller	A	Omni Quip ext. Fort	A
JD 750 G dozer	A	Smooth drum roller	A	3" pump	A

Personnel on site:

1 Handex 1 GSE — No. of Superintendents

3 Handex 14 GSE — No. of Skilled

3 Handex — No. of Laborers

Description of Construction Activity Handex maintaining Water control 0.5in. rain last night - dewatered cell

GSE detailing material put down yesterday no new liner today

Handex grading roads and working N. end of Cell or SCS & Handex Trailer

List of Subcontractors

GSE detailing

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
		~~1,940,395 Ct.~~ 194,039

Field Representative Dennis R. DuPont Date 9-15-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion
Project number: 09200020.32
Owner: Hillsborough County
Contractor: Hardex
Date: 9-16-02
Contract Day: +43
Contract Duration:
Days Remaining:
Weather
Temperature: (AM) 85 (PM) 95 Rain: Duration of rain:
Description of weather: clear To cloudy

List of Equipment on site: (A) for active (I) for idle

Water Truck removed Today		off road dump I	Fat Allis grader A
CaT 320 Excavator	A	off road dump I	Volvo Ft. loader A
JD 650 H dozer	A	Smooth drum roller A	Omni Quip ext. Fork I
JD 750 G dozer	A	Smooth drum roller A	

Personnel on site:
1 Hardex 1 GSE — No. of Superintendents
3 Hardex 1 GSE — No. of Skilled
3 Hardex — No. of Laborers

Description of Construction Activity: Hardex dewatering Cellgrading compacting rolling for Survey and Geo Technical Tests
GSE Placing liner & seaming

List of Subcontractors
Peninsula Design To survey final grade sub base - clay
GSE
List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Liner	102,060	~~296,099~~ 296,099

Field Representative: Dennis G. DuPont Date: 9-16-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

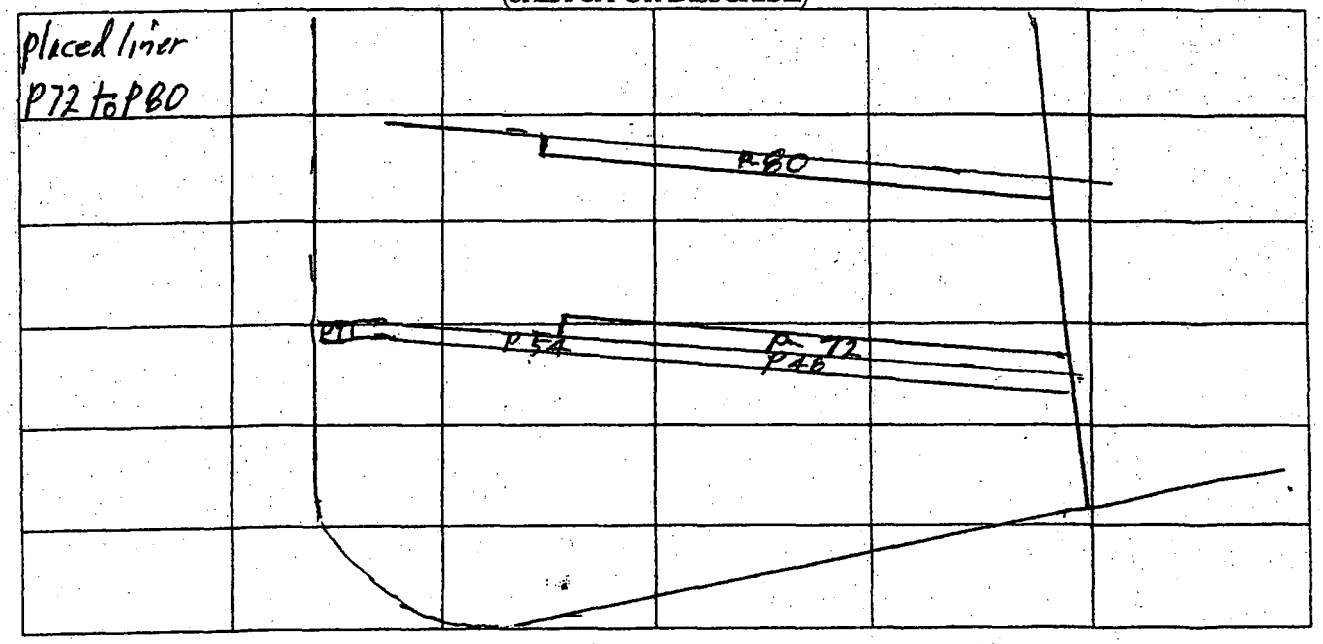
Installer: GSE
Address: 19103 Gundle Rd Houston Tx

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations. Acceptance of the subgrade surface considers that at the time the geomembrane is placed, the structure of the underlying soil surface, which is the responsibility of others, meets or exceeds the project specifications.

Joseph Coletta (NAME)	Supt. (TITLE)
Joseph Coletta (SIGNATURE)	9-16-02 (DATE)
	9-18-02

Certification received by SCS

Dennis G. DuPont (NAME)	Resident Engineer (TITLE)
Dennis G. DuPont (SIGNATURE)	9-16-02 (DATE)

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 9-17-02 Contract Day: +44 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) Rain: Duration of rain:

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Cat 320 Excavator	I	Offroad dump	I	Volvo Ft. loader	A
JD 650H dozer	A	Smooth drum roller	A	Omni Quip Ext. Fork	A
JD 750G dozer	A	Smooth drum roller	A		
offroad dump	I	Flat Allis grader	I		

Personnel on site:

1 Handex 1 GSE — No. of Superintendents

3 Handex 1 GSE — No. of Skilled

2 Handex — No. of Laborers

Description of Construction Activity Handex rolling cell ~~d~~ laying clay nr. sump.
Handex detailing around outside of cell
GSE Placing liner & detailing

List of Subcontractors
Burcaw for list of tests
Peninsula for As built

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Liner	51,322	+ ~~2,042,455~~ = 347,421

Field Representative Dennis A. DuPont Date 9-17-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

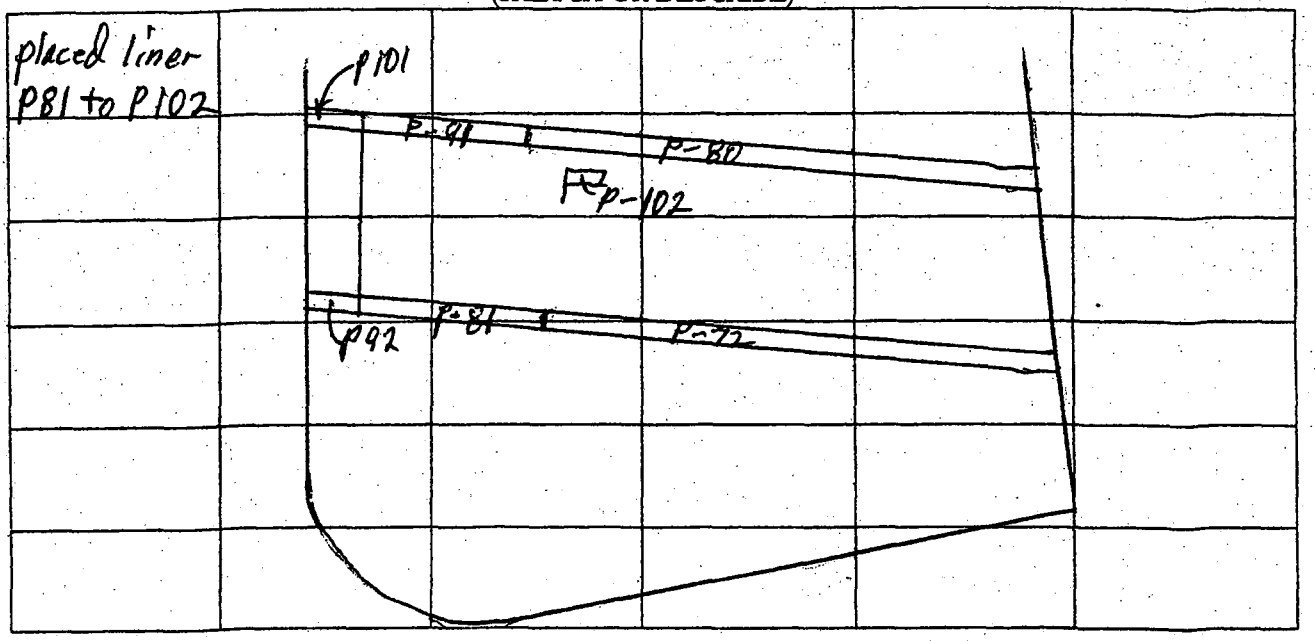
Installer: GSE
Address: 19103 Gundle Rd. Houston Tx

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations. Acceptance of the subgrade surface considers that at the time the geomembrane is placed, the structure of the underlying soil surface, which is the responsibility of others, meets or exceeds the project specifications.

JOSEPH COLETTI — NAME
SUPT. — TITLE
Joseph Coletti — SIGNATURE
9-17-02 — DATE

Certification received by SCS

Dennis G. DuPont — NAME
Resident Engineer — TITLE
Dennis G. DuPont — SIGNATURE
9-17-02 — DATE

SCS ENGINEERS DAILY FIELD REPORT

oject: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 9-18-02 Contract Day: 145 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 95 Rain: Duration of rain:

Description of weather:

List of Equipment on site: (A) for active (I) for idle

CAT 320 Excavator	A	offroad dump	I	Volvo Front Loader	A
JD 650H dozer	A	Smooth drum roller	A	Omni Quip ext. Fork	A
JD 650G dozer	A	Smooth drum roller	A		
offroad dump	I	Flat Allis grader	A		

Personnel on site:

1 Hardex 146SE — No. of Superintendents

3 Hardex 146SE — No. of Skilled

2 Hardex — No. of Laborers

Description of Construction Activity Hardex rolling cell area nr. Liner installation. Clean up grading around cell. Picked up control panel for ~~sump~~ leachate sump pump.

GSE placed panels P103 – P116

List of Subcontractors

Peninsula Design – on site to doc as-built for liner

GSE placing & detailing liner

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Liner	67,050	414,471

Field Representative Dennis R. DuPont Date 9-18-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

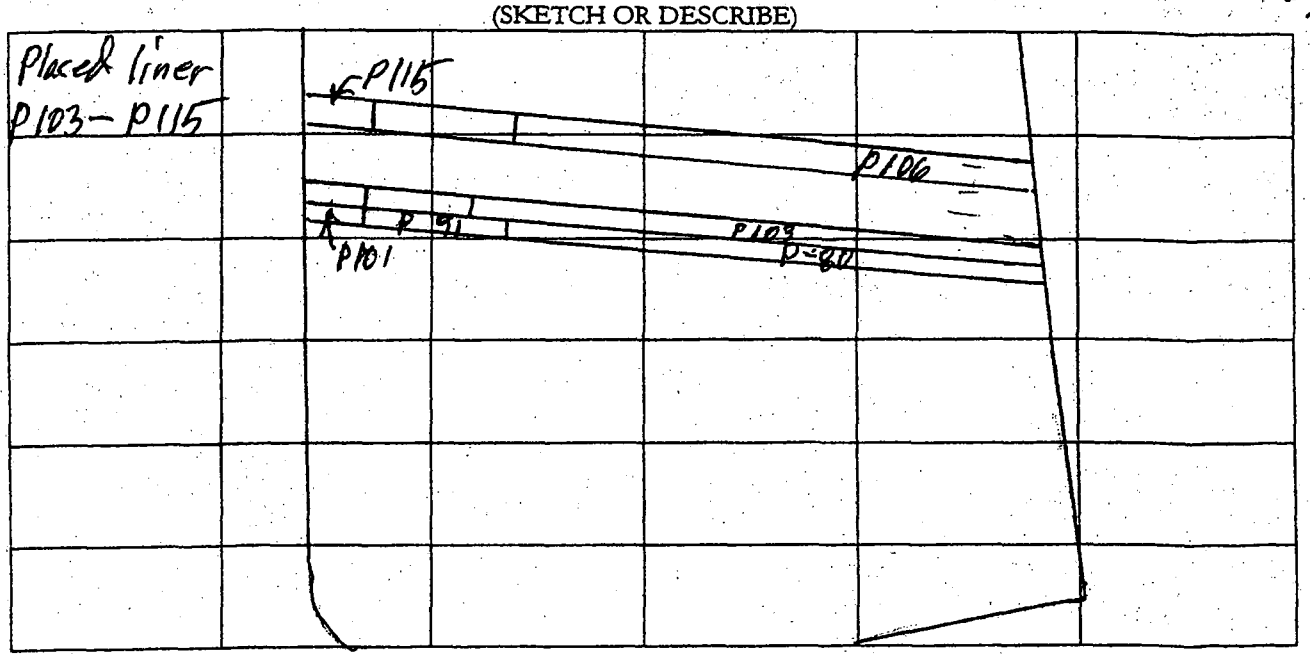
Installer: GSE
Address: 19103 Gundle Rd. Houston Tx

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations. Acceptance of the subgrade surface considers that at the time the geomembrane is placed, the structure of the underlying soil surface, which is the responsibility of others, meets or exceeds the project specifications.

Joseph Coletto — NAME
Supt. — TITLE

SIGNATURE
DATE

Certification received by SCS

Dennis G. DuPont — NAME
Resident Engineer — TITLE

Dennis G. DuPont — SIGNATURE
9-18-02 — DATE

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 9-19-02 Contract Day: 146 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 95 Rain: 0.7 Duration of rain: begin 1700hrs

Description of weather: clear To cloudy

List of Equipment on site: (A) for active (I) for idle

Cat 320 Excavator	I	off road dump	I	Volvo Front loader	A
650 H d D dozer	A	Smooth drum roller	A	DenniQuip Ext. Fork	A
75DG JD dozer	A	Smooth drum roller	A		
off road dump	I	Fiat Hillis grader	A		

Personnel on site:

1 Hardex 1 GSE — No. of Superintendents

3 Hardex 1 GSE — No. of Skilled

2 Hardex — No. of Laboiers

Description of Construction Activity Hardex, preparing for rain from storm - anchoring liner on West edge - near dividing berm. Maintaining and improving drainage in case of Hurricane. GSE placing GeoComposite on E. side floor of cell. Retaining area of liner on west side. First 2.25Ac.

List of Subcontractors

GSE placing GeoComposite

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Liner		414,471

Field Representative Dennis K. Dufort Date 9-19-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 9-20-02 Contract Day: +47 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) Rain: 0.2 begin at 1700 hrs Duration of rain:

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat 320 Excavator	A	Offroad dump	A	Volvo Front loader	A
JD 650H dozer removed	I	Smooth drum roller removed	I	Gradall Rupext fork	A
JD 750G dozer	I	Smooth drum roller	I		
Offroad dump	A	Flat Allis spreader	I		

Personnel on site:

1 Hardex 1 GSE — No. of Superintendents

3 Hardex 1 GSE — No. of Skilled

No. of Laborers

Description of Construction Activity Hardex dewatered from 0.2 inch rain last night. Hardex cleaning out built-up material on sides of drainage basin C. GSE detailing out Geo composite placed yesterday and continueing to place Geo composite on E. Slope tying into floor and detailing

Hardex removed 650 dozer for repairs, one smooth drum roller returned - not needed.

List of Subcontractors

GSE - placing GeoComposit

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Liner		414,471

Field Representative Dennis G. DuPont Date 9-20-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09700020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 9-21-02 Contract Day: +48 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 85-90 (PM) 95 Rain: _____ Duration of rain: _____

Description of weather: clear to partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Cat 320 Excavator	A	Smooth drum roller	I	Volvo Front Loader	A
JD 650 dozer removed		off road dump	A	Omni Quip ext Fork	A
JD 750 dozer	I	off road dump	A		
Smooth drum roller removed		Fiat Allis grader			

Personnel on site:

1 Hardex 1 GSE — No. of Superintendents

3 Hardex 1 GSE — No. of Skilled

_____ — No. of Laborers

Description of Construction Activity Hardex dewatered from 0.2 in rain last night. Hardex continues to remove silt from Retention Basin C

GSE detailing and placing Geocomposite

List of Subcontractors

GSE — placing detailing Geo composite

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Liner		414,471

Field Representative Dennis H. DuPont Date 9-21-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hendex

Date: 9-22-02 Contract Day: +49 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity No Activity Today

List of Subcontractors

_____ _____ _____ _____

List of Materials Delivered

_____ _____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. DuPont Date 9-22-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

oject: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 9-23-02 Contract Day: +50 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 95 (PM) 90 Rain: 1.2-1.5 Duration of rain: _____

Description of weather: clear To Cloudy

List of Equipment on site: (A) for active (I) for idle

CaT 320 Excavator	A	Offroad dump	A	OmniQuip EXT Fork	A
JD 650 Hdzer - repair		Offroad dump	A		
JD 750G dozer	I	Fiat Allis grader	I		
Smooth drum roller	A	Volvo Front loader	A		

Personnel on site:

1 Hardee 16SE — No. of Superintendents

3 Hardee 14GSE — No. of Skilled

2 Hardee — No. of Laborers

Description of Construction Activity Hardee cleaning and working on Retention Basin C

GSE placing and detailing Geo Composite

Peninsula Design — survey points which were indicated to be low Dennis DuPont From SCS, had Hardee hand measured clay thickness all points measured had 6" or more clay subbase.

List of Subcontractors

GSE

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 9-23-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 9-24-02 Contract Day: +51 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) 90 Rain: Duration of rain: begin at 1500hrs

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

Cat 320 excavator	A	offroad dump	A	Omni Quip Ext. Fork	A
JD 650 H dozer repair		offroad dump	A		
JD 750 G dozer	I	Fiat Allis grader	A		
Smooth drum roller	A	Volvo Front loader	A		

Personnel on site:

1 Hardex 1 GSE — No. of Superintendents

3 Hardex 1 GSE — No. of Skilled

2 Hardex — No. of Laborers

Description of Construction Activity Hardex still cleaning Retention Basin C, clean up, offroad dump trucks with drivers loaned to Waste Management rolling sub base. Some grading on roads

GSE detailing Geo composite

Burcon on site to pull 1 perm which failed

GSE began laying Primary Liner on E slope P1P to 12P

P1P P12P

List of Subcontractors

GSE

Burcon

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuBart Date 9-24-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

oject: Section I Capacity Expansion Project number: 09700020.32

Owner: Hillsborough County Contractor: Hardex

Date: 9-25-02 Contract Day: +52 Contract Duration: _____

Days Remaining: _____ Start 1675

Weather

Temperature: (AM) 85 (PM) 90 Rain: 0.4 Duration of rain: _____

Description of weather: clear to cloudy

List of Equipment on site: (A) for active (I) for idle

Cat 320 excavator	I	off road dump	I
JD 650H dozer repair	I	off road dump	A
JD 750G dozer	I	Fiat Allis loader	A
Smooth drum roller	I	Volvo Front loader	A
Omni Dump ext Fork	A		

Personnel on site:

Hardex 1 GSE — No. of Superintendents

3 Hardex 1 GSE — No. of Skilled

3 Hardex — No. of Laborers

Description of Construction Activity Hardex - Grading picking up Trash clean up - grading

GSE placing & welding Textured on slopes and smooth on floor of Cell.

Liner placed P17 P46

Progress Meeting Today with Hardex Hillsborough County Larry Ruiz mentioned texture material get long enough, went to office for supplies and drop off data and to clarify drawings, at that time Larry said drawings are wrong unclear.

List of Subcontractors

Frazier Mining on site to set up GSE placing Liner

List of Materials Delivered

GeoTextile for leachate & leak detection pipe

Pipe HDPE for leachate & leak detection

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis N. Dunlap Date 9-26-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion
Project number: 09200020.32
Owner: Hillsborough County
Contractor: Hardex
Date: 9-26-02 Contract Day: +53 Contract Duration:
Days Remaining:
Weather
Temperature: (AM) 80 (PM) 90 Rain: 0.2 Duration of rain:
Description of weather: partly Cloudy windy
List of Equipment on site: (A) for active (I) for idle

Cat 320 excavator	A	off road dump	I	Omni Quip ext Foot	A
JD 650H dozer repair		off road dump	I		
JD 750G dozer	E	Fiat Allis Grader	I		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:
1 Hardex 1 GSE — No. of Superintendents
3 Hardex 1 GSE — No. of Skilled
2 Hardex — No. of Laborers

Description of Construction Activity Hardex dozg anchor Trench on north side, helping pipe crew - clean up
Textured liner welded to smooth and detailed, Hardex was told textured not long enough - Larry Ruiz supplied letter to clarify
GSE - Detailing liner placed yesterday
Frazier Mining welding pipe together for leak detect & leachate lines
Progress meeting with Hillsborough County & Waste Management

List of Subcontractors
Frazier Mining - pipe
GSE Liner
List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuBose Date 9-26-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion
Project number: 09200070.32
Owner: Hillsborough County
Contractor: Hardex
Date: 9-27-02 Contract Day: +54 Contract Duration:
Days Remaining:
Weather begin 1145Light
Temperature: (AM) 85 (PM) Rain: Duration of rain:
Description of weather: Partly cloudy To cloudy
List of Equipment on site: (A) for active (I) for idle

Cat 320 Excavator	A	off road dump	I	Omni Quip Ext Fork	A
JD 650H dozer repair		off road dump	I		
JD 750G dozer	I	Fiat Allis grader pull pipe	A		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:
1 Hardex 1 GSE — No. of Superintendents
3 Hardex 1A 6SE — No. of Skilled
2 Hardex — No. of Laborers

Description of Construction Activity Hardex moving pumps around pumping out cell, dressing area near stock pile - helping Frazier Mine with pipe welding
GSE placing liner on floor of cell - welding seaming
Frazier Mine Welding 6" & 8" pipe for leak detect & leachate lines
GSE Placed Panels 47P to 62P

List of Subcontractors
GSE
Frazier mine
Burrow on site short time to P/U metal for friction Interface Test.

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 9-26-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hendex

Date: 9-28-02 Contract Day: +55 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 85 (PM) 95 Rain: _____ Duration of rain: _____

Description of weather: partly Cloudy

List of Equipment on site: (A) for active (I) for idle

Cat 320 excavator A	offroad dump	A	Omni Rigg Ext Fork A
JD 650H dozer repair	offroad dump	I	
JD 750C dozer A	Fiat Hitachi loader	A	
Smooth drum roller I	Volvo Front loader	A	

Personnel on site:

1 Hendex 1 GSE — No. of Superintendents

3 Hendex 1 4 GSE — No. of Skilled

_____ — No. of Laborers

Description of Construction Activity Hendex clean-up - Grading dressing areas out side of cell — helping Frezier Mining with pipe

GSE — placing liner panels 64P to 79P primary liner

Frazier Mining welding pipe

List of Subcontractors

GSE

Frezier Mining

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. Dunbar Date 9-28-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

ject: Section I Capacity Expansion Project number: 09700020.32

Owner: Hillsborough County Contractor: Hardee

Date: 9-29-02 Contract Day: +56 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents No. of Skilled No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 9-29-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion
Project number: 01200020.32
Owner: Hillsborough County
Contractor: Hardex
Date: 9-30-02
Contract Day: +57
Contract Duration:
Days Remaining:
Weather
Temperature: (AM) 85 (PM) 95 Rain: Light drizzle in afternoon Duration of rain: a trace
Description of weather: partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat 320 Excavator	A	off road dump	A	Omni Quip ext Fork	A
JD 650H dozer		off road dump	I		
JD 750G dozer	A	Fiat Allis grader	A		
Smooth drum roller	A	Volvo front loader	A		

Personnel on site:
1 Hardex 1 GSE — No. of Superintendents
3 Hardex 1 GSE — No. of Skilled
2 Hardex — No. of Laborers

Description of Construction Activity: Hardex cleaning – digging sump – smoothing cell bottom & dividing berm – smoothing last of sub-base area, helping Frazier Mining with pipe
GSE placing liner secondary heading to sump & dividing berm
Placed Panels for Secondary liner P116–121

No QC for GSE – immigration

List of Subcontractors
GSE
Frazier Mining

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis N. DuPont Date: 9-30-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Extention Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 10-1-02 Contract Day: +58 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 85 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Cat 320 Excavator	A	offroad dump	I
D6 50H dozer repair	I	offroad dump	I
JD 750C dozer	I	Fiat Allis grader	A
Smooth drum roller	A	Volvo Front Loader	A
Omni Quip	A		

Personnel on site:

1 GSE — No. of Superintendents

3 Hardex II GSE — No. of Skilled

_____ — No. of Laborers

Description of Construction Activity Hardex grading areas outside of cell - rolling smoothing sub-base for liner on dividing berm, digging anchor trench

GSE placing Primary Liner in AM Panels, P-80 to P-88

GSE detailing liner placed today and yesterday

Frazier Mining constructing piping for cell

NCQC for ~~Hardex~~ GSE

List of Subcontractors

GSE

Frazier Mining

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. Dunford Date 10-1-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Headax

Date: 10-2-02 Contract Day: 159 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) (PM) Rain: Duration of rain:

Description of weather:

List of Equipment on site: (A) for active (I) for idle

CAT 320 Excavator	I	Offroad dump	I
bD 650 dozer repair	I	offroad dump	I
JD 750 dozer	A	Fiat Allis grader	A
Smooth drum roller	A	Volvo Frontloader	A
		Omin; Quip Ext. Fork	A

Personnel on site:

1 GSE — No. of Superintendents

3 Headex 13 GSE — No. of Skilled

No. of Laborers

Description of Construction Activity Told GSE can't ~~time~~ put liner on last area till we get passing perms. Draft copy would be OK. GSE said he would fix Texture area let GSE Project Manager deal with Headex Project Manager, Dave Wheeler with me. Destructs marked DT4P on 9-28-02 To DT31P on 10-2-02 GSE placing liner Secondary P122 To P125 GSE raphiring Texture liner extensions E algae. Also destructs marked DT38s on 10-1-02 To DT Headex grading & clean up out side of cell - rolling last area to be covered.

No QC for GSE

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuPont Date 10-2-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

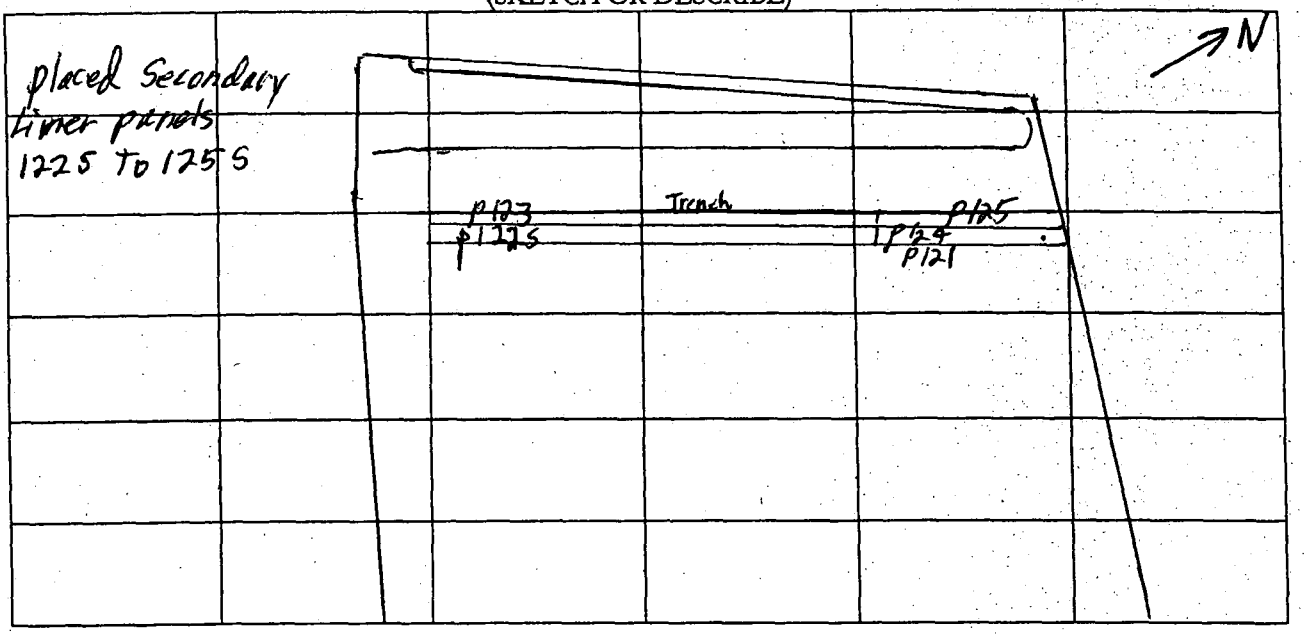
Installer: GSE
Address: 19103 Gundle Rd. Houston Tx

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations. Acceptance of the subgrade surface considers that at the time the geomembrane is placed, the structure of the underlying soil surface, which is the responsibility of others, meets or exceeds the project specifications.

Joe Coletto (NAME)	Supt. (TITLE)
Joseph Coletto (SIGNATURE)	10-2-02 (DATE)

Certification received by SCS

Dennis G. DuPont (NAME)	Resident Engineer (TITLE)
Dennis G. DuPont (SIGNATURE)	10-2-02 (DATE)

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 10-3-02 Contract Day: +60 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat 320 excavator	A	Offroad dump	A	Omni Quip ext. Fork	A
10650 H dozer	A	Offroad dump	I		
JD 760C dozer	A	Fiat Allis Grader	A		
Smooth drum roller	I	Volvo Front Loader	A		

Personnel on site:

1-GSE — No. of Superintendents

3 Hondex 1 GSE — No. of Skilled

_____ — No. of Laborers

Description of Construction Activity GSE placed liner secondary on dividing berm all the way down including floor. Pads P126 to P-155, P173, Hondex worked on retension basin C, general clean up and grading of site.

GSE supplied 25 destructs which were shipped this night.

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 10-3-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

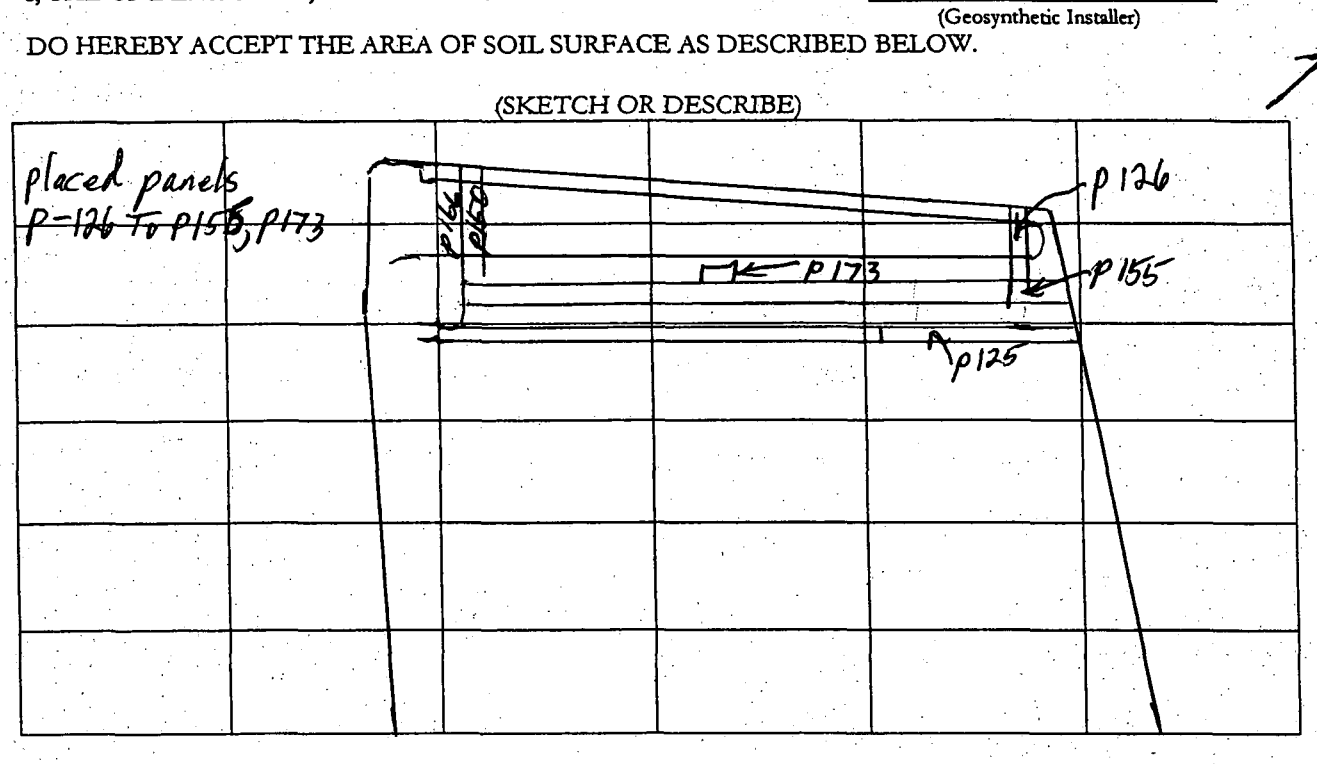
Installer: GSE
Address: 19103 Gundle Rd, Houston Tx 77073

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations. Acceptance of the subgrade surface considers that at the time the geomembrane is placed, the structure of the underlying soil surface, which is the responsibility of others, meets or exceeds the project specifications.

Joe Coletto (NAME)	Supt. (TITLE)
Joseph Coletto (SIGNATURE)	10-3-02 (DATE)

Certification received by SCS

Dennis G. DuPont (NAME)	Resident Engineer (TITLE)
Dennis G. DuPont (SIGNATURE)	10-3-02 (DATE)

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 10-4-02 Contract Day: +61 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 90 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Cat 320 excavator	A	offroad dump	I	Omni Quipex Fork	A
JD 650 H dozer	A	offroad dump	I		
JD 750 B dozer	A	Allis Chalmers	A		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:

1 - GSE (No. of Superintendents) 3 Hardex 14 GSE (No. of Skilled) _____ (No. of Laborers)

Description of Construction Activity Hardex final grading of retension Basin "C" — grading roads

GSE placed GCL in sump area and continued to place secondary liner Placed panels through sump area GSE detailing previous liner & todays liner

Placed Liner secondary panels 156 to 172 and 174 to 183
Secondary liner completly placed needs detailing

Peninsula Design surveying for as built on Primary liner

List of Subcontractors

GSE
Peninsula Design

List of Materials Delivered

1 roll of GCL Bentofix
1 roll of 60m. Textured

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
LPO		

Field Representative Dennis R. DuPont Date 10-4-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

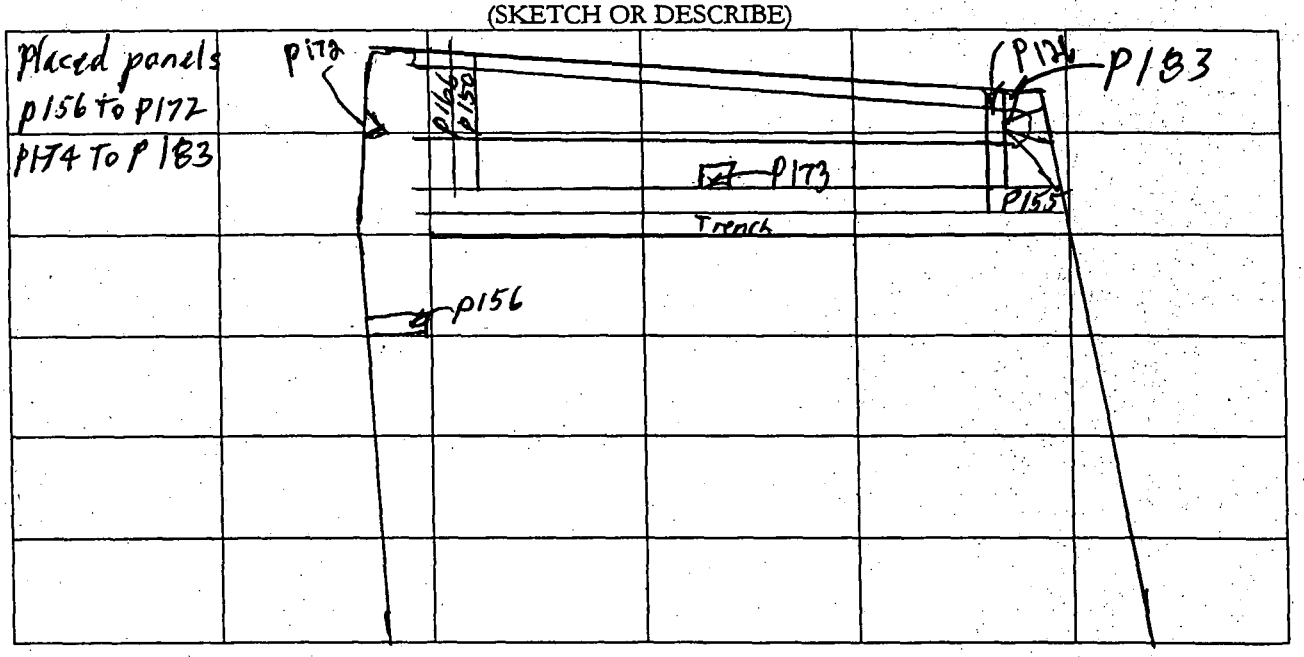
Installer: GSE
Address: 19103 Gundle Rd Houston Tx 77073

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations. Acceptance of the subgrade surface considers that at the time the geomembrane is placed, the structure of the underlying soil surface, which is the responsibility of others, meets or exceeds the project specifications.

Joe Coletto (NAME)	Supt. (TITLE)
Joseph Coletto (SIGNATURE)	10-5-02 (DATE)

Certification received by SCS

Dennis G. DuPont (NAME)	Resident Engineer (TITLE)
Dennis G. DuPont (SIGNATURE)	10-4-02 (DATE)

SCS ENGINEERS DAILY FIELD REPORT

Project: Sect I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 10-5-02 Contract Day: +62 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 95 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Cat 320 excavator	offroad dump	Omni Buip Ext fork
JD 650 H dozer	offroad dump	
JD 650 G dozer	Fiat Allis scraper	
Smooth drum roller	Volvo Front loader	

Personnel on site:

Formin Hardex +GSE (No. of Superintendents) 2 Hardex 12 GSE (No. of Skilled) _____ (No. of Laborers)

Description of Construction Activity Hardex cleaning grading areas outside of cell.

GSE Detailing Liner placed last 3 days

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 10-5-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 092000.20.32

Owner: Hillsborough County

Contractor: Haadex

Date: 10-6-02 Contract Day: +63 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity no Activity today

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis McDaniel Date 10-6-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 10-7-02 Contract Day: +64 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 90 Rain: — Duration of rain: _____

Description of weather: clear Hot

List of Equipment on site: (A) for active (I) for idle

Cat 320 excavator	A	offroad dump	I	Omni Quip ext Fork	A
JD 650 H dozer	A	offroad dump	I		
JD 750 B dozer	A	4th Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:

1 Hardex 1 GSE — No. of Superintendents

3 Hardex 1A GSE — No. of Skilled

2 Hardex — No. of Laborers

Description of Construction Activity: Hardex digging Anchor Trench on W. Side of dividing berm — general clean up — dressing areas around Cell

GSE detailing Liner and placing Geocomposit on Primary Liner on E. slope

List of Subcontractors

Peninsula Design

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis G. DuPont Date: 10-7-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 10-8-02 Contract Day: +65 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 80 (PM) 90 Rain: 0.4 ~~tus~~ at night Duration of rain:

Description of weather: clear all day

List of Equipment on site: (A) for active (I) for idle

Cat 320 excavator	A	off road dump	A	Omin Quip ext. Fork A
JD 650H dozer	A	off road dump	I	
JD 750G dozer	A	Fiat Allis grader	I	
Smooth drum roller	I	Volvo Front loader	A	

Personnel on site:

1 Handex 1 GSE — No. of Superintendents

3 Handex 14 GSE — No. of Skilled

2 Handex — No. of Laborers

Description of Construction Activity Handex filled to grade and leveled Retention basin C to specs. graded and cleaned areas around cell area.

GSE placed and seamed Geo composit on Primary liner which was detailed out, also detailed secondary liner over and around sump and dividing berm

Peninsula Design — on site doing as built for liner

Progress Meeting #38 —

Safety meeting by Handex

List of Subcontractors

GSE

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis H. DuPont Date 10-8-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion
Project number: 09200020.32
Owner: Hillsborough County
Contractor: Hardex
Date: 10-9-02
Contract Day: 466
Contract Duration:
Days Remaining:
Weather
Temperature: (AM) 90 (PM) Rain: Duration of rain:
Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Cat 320 Excavator	A	off road dump	A	Omni Quip ext. Fork	A
JD650H dozer	A	off road dump	I		
JD 750G dozer	I	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:
1 Hardex 1-GSE
No. of Superintendents
3 Hardex 1 A GSE
No. of Skilled
4 Hardex
No. of Laborers

Description of Construction Activity Hardex placing leak detection 6" pipe pipe was prefabricated, holes in pipe did not line up properly with clean out pipe - cut clean out, rotated pipe. Hardex was going to extrude weld pipe together - stopped Hardex told them it must be fusion welded. Hardex ("Jerry") not happy about that

GSE - placing Geocomposite and seaming - detailing Secondary Liner

List of Subcontractors
GSE
Hurley Truck -

List of Materials Delivered
#4 river rock for leak detection and leachate collection pipe

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 10-9-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hendex

Date: 10-10-02 Contract Day: +67 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 80 (PM) 92 Rain: Duration of rain:

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Cat 320 Excavator	A	offroad dump	A	Omni Quip ext Fold
JD 650H dozer	A	offroad dump	I	
JD 750G dozer	I	Fiat Allis grader	I	
Smooth drum roller	A	Volvo front loader	A	

Personnel on site:

1 Hendex — No. of Superintendents

3 Hendex 10 GSE — No. of Skilled

2 Hendex — No. of Laborers

Description of Construction Activity Hendex placing Geo Textile and 6" leachate collection pipe at East slope collection trench Hendex grading rolling area outside of cell by rock stock pile. general clean up dress up. placing 1st lift in anchor trench on E. slope — some repair on drain hole in leak detection line at South slope area.

GSE placing Geo Composite and sewing + wire tie

List of Subcontractors

Hurley Trucking

List of Materials Delivered

#4 river rock for leak detection and leachate collection

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 10-10-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 10-11-02 Contract Day: +68 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 90 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Cat 320 excavator	A	offroad dump	A	Omni Quip Ext fork	A
JD 650 H dozer	I	offroad dump	I	Rebelco loadstick	A
JD 750 G dozer	I	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:

1 Hardex 16SE — No. of Superintendents

3 Hardex 12SE — No. of Skilled

4 Hardex — No. of Laborers

Description of Construction Activity Hardex continues to place 1st lift in anchor trench - Pipe repair ~~being~~ done on 6" cleanout for leak detection. Hardex leveling leak detection line, rock being placed.

GSE continueing to place Geocomposite and detail

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 10-11-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hendex

Date: 10-12-02 Contract Day: +69 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 90 (PM) 90 Rain: Duration of rain:

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Cat 320 Excavator	I	off road dump	A	Omni Quip Ext. Fork	A
JD 650 H dozer	I	off road dump	I	Kobelco long stick	A
JD 750 G dozer	I	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader	I		

Personnel on site:

1 Hendex 1 GSE — No. of Superintendents

3 Hendex 1 GSE — No. of Skilled

3 Hendex — No. of Laborers

Description of Construction Activity Hendex leveling and placing rock on leak detection pipe at edge of toe of slope South side

GSE placing smooth liner at west edge of cell detailing liner and Geo Composite

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 10-17-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09700070.32

Owner: Hillsborough County

Contractor: Hardee

Date: 10-13-02 Contract Day: +70 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity No Activity Today

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis N. DuPont Date 10-13-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

oject: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 10-14-02 Contract Day: +71 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 90 Rain: — Duration of rain: _____

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

Cat 320 excavator removed	I	offroad dump	A	Omni Quip Fork	A
JD 650H dozer	I	offroad dump	A		
JD 750G dozer	A	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:

1 Hardex 1 GSE — No. of Superintendents

3 Hardex 1 GSE — No. of Skilled

3 Hardex — No. of Laborers

Description of Construction Activity Hardex placing sand in cell for road to get rock to leachate collection lines.

GSE detailing out Geocomposite and liner - Marked, pulled and shipped Destructive samples DT 33P to DT 45P to lab.

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis K. Dutent Date 10-14-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09700070.32

Owner: Hillsborough County

Contractor: Hardex

Date: 10-15-02 Contract Day: +72 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 85 (PM) Rain: 1.75" began at 1230 Till 1330 Duration of rain: Then at night.

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Korbelco Excavator 300	A	Offroad dump	A	OmniRig ext Fork	A
JD 650 H dozer	I	offroad dump	A		
JD 750 C dozer	A	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:

1 Hardex 16SE — No. of Superintendents

3 Hardex 14 6SE — No. of Skilled

4 Hardex — No. of Laborers

Description of Construction Activity Hardex placing sand for road in cell To bring in rock for leachate collection pipes.

6SE Placing liner on dividing berm Panels P-10S – 13SP

Peninsula Design – shooting grades on leak detection pipe, and details for as built.

shut down at lunch

held Progress Meeting #39

List of Subcontractors

6SE

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 10-15-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 10-16-02 Contract Day: +73 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 80 (PM) 85 Rain: Duration of rain:

Description of weather: clear & partly cloudy

List of Equipment on site: (A) for active (I) for idle

Kerbelo 300 Excavator	I	Off road dump	I	Omni Quip ext. Tork	A
JD 650H dozer	A	Off road dump	I		
JD 750G dozer	A	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader	I		

Personnel on site:

1 Handex 1 GSE — No. of Superintendents

3 Handex 14 GSE — No. of Skilled

4 Handex — No. of Laborers

Description of Construction Activity Handex cleaning up liner from last nights rain — sand washed down - filter sand not too bad. Handex cleanup around cell area maintaining roads & drainage.

GSE Placing Geocomposite and Detailing liner placed yesterday and today. Marked pulled shipped D-Ts 46P to 51P. Placed panels P-136-141 of primary liner

Peninsula Design on site to survey as built,

List of Subcontractors

GSE

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 10-16-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 10-17-02 Contract Day: +74 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 75 (PM) 85 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Korbelco 300 Excavator	A	Off road dump	A
JD 650 H dozer	IR	off road dump	A
JD 750 G dozer	A	Fiat Allis grader	I
Smooth drum roller	I	Volvo Front loader	A
		Omni Quip ext Fork	A

Personnel on site:

1 Hardex 1 GSE — No. of Superintendents

3 Hardex 1 GSE — No. of Skilled

4 Hardex — No. of Laborers

Description of Construction Activity: Layne Piping on site to weld HDPE leak detection pipe for sump area. Peninsula Design surveyed pipe for slope - and continued to collect data for as-built survey. Hardex continues to place sand for cover - holding liner in place to prevent wrinkles.

GSE began to place Panel on S. slope. Panels P142 to P182

List of Subcontractors

Layne Piping

GSE

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis A. DuPont Date: 10-17-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 10-18-02 Contract Day: +75 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 75 (PM) 85 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Kobelco 300 Excavator	A	offroad dump	A	Omni Quip Fork	A
JD 650H dozer	I	off road dump	A		
JD 250G dozer	A	Fiat Allis grader	I		
6ft Smooth drum roller	I	Volvo Front loader	I		

Personnel on site:

1 Hardex 1 GSE No. of Superintendents

3 Hardex 1 GSE No. of Skilled

4 Hardex No. of Laborers

Description of Construction Activity Hardex Continues to place filter sand and holding liner in place to prevent wrinkles

GSE detailing out liner placed and beginning to place Geocomposite on dividing berm.

Shiped destructs AT 51 to 56P

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 10-18-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 01200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 10-19-02 Contract Day: +76 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 75 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Korbelco 300 Excavator	A	off road dump	A	Omni Ruff Fork	A
JD 650 H dozer	I	off road dump	A		
JD 750 Ep dozer	A	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader			

Personnel on site:

1 CSE — No. of Superintendents

3 Hardee, 13 CSE — No. of Skilled

4 Hardee — No. of Laborers

Description of Construction Activity: Hardee continues to place filter sand. Rig fingers out to liner next to leachate trenches. CSE detailing liner and Geo composite and placing more Geocomposite. Hardee building center dividing berm. Peninsula Design on site for as-built on liner and staking perimeter drainage ditch for outfall. Shipped DT50P.

List of Subcontractors

CSE

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis M. DuPont Date: 10-19-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 10-20-02 Contract Day: +77 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Kobelco 300 Excavator	I	off road dump	A	Omni Quip pitfork	I
JD 650H dozer	A	off road dump	I		
JD 750G dozer	I	Fiat Allis grader	I		
Smooth drum roller	I	Volvo front loader	A		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
	3 Handex	3 Handex

Description of Construction Activity: Handex continues building the interior ~~containment~~ dividing berm

GSE not on site

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis D. DuPont Date: 10-20-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200070.32

Owner: Hillsborough County Contractor: Hendex

Date: 10-21-02 Contract Day: +78 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 90 Rain: _____ Duration of rain: _____

Description of weather: clear To partly cloudy

List of Equipment on site: (A) for active (I) for idle

Korbelco 300 Excavator	A	off road dump	A	OmniQuip Ext Fork	A
JD 650H dozer	A	off road dump	A		
JD 750G Dozer	I	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:

1 Hendex 1 GSE Foreman — No. of Superintendents

3 Hendex 12 GSE — No. of Skilled

4 Hendex — No. of Laborers

Description of Construction Activity Hendex continues To place sand in cell for roadway To install Leachate collection pipes in Trenches

GSE - placing and detailing Geocomposite

List of Subcontractors

GSE

Hurly Trucking

List of Materials Delivered

#A rock - for leachate collection

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. Dunbar Date 10-21-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 10-22-02 **Contract Day:** 179 **Contract Duration:** _____

Days Remaining: _____

Weather

Temperature: (AM) 80 **(PM)** 90 **Rain:** _____ **Duration of rain:** _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Kobelco 300 excavator	A	Off road dump	A	Omni Dig ext. boom	A
JD 650H dozer	A	off road dump	A		
JD 750G dozer	A	Fiat Allis grader	I		
Smooth drum roller	I	Volvo front loader	A		

Personnel on site:

1 Hardex 1 GSE — **No. of Superintendents**

3 Hardex 1 3 GSE — **No. of Skilled**

4 Hardex — **No. of Laborers**

Description of Construction Activity Hardex continues to place sand in cell — building interior seperation berm

GSE Continues to place and detail geocomposite.

Progress Meeting #40
Met with D. Brown & Cec Astorio & Larry Glass for Invoice Review
Calculated Tot 9 ft. of liner

List of Subcontractors

GSE
Hurley Trucking

List of Materials Delivered

#4 river rock

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
#		

Field Representative Dennis R. DuPont **Date** 10-22-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hendex

Date: 10-23-02 Contract Day: +80 Contract Duration:

Days Remaining:

rain began 1700hrs.

Weather

Temperature: (AM) 80 (PM) 90 Rain: 0.9 Duration of rain:

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Korbelco 300 excavator	A	offroad dump	I	Omni Quip Ext. Fork A
JD 650H dozer	A	offroad dump	I	
JD 750G dozer	A	Fiat Allis grader	I	
Smooth drum roller	I	Volvo Front loader	A	

Personnel on site:

1 Hendex 1 GSE — No. of Superintendents

3 Hendex 13 GSE — No. of Skilled

4 Hendex — No. of Laborers

Description of Construction Activity Hendex asked for Punch list for GSE found one area needing extrude welding - some small patches in ~~Geo Textile~~ - Geo composite - repairs made.

Hendex and GSE cleaning up around site, and ~~on~~ in cell area Hendex ~~graded~~ smoothed off area W & N. of cell. Placed 8" leachate collection pipe in cell area.

GSE booted leak detection pipe through Primary liner

Asked

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis N. DuPont Date 10-23-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 10-24-02 Contract Day: +81 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Kobelco 300 excavator	A	off road dump	A	Omni Quipment Fork	I
JD 650H dozer	A	off road dump	I		
JD 750G dozer	A	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front Loader	A		

Personnel on site:

1 Hardex — No. of Superintendents

3 Hardex — No. of Skilled

3 Hardex — No. of Laborers

Description of Construction Activity: Hardex attempting to clean up discharge water from cell - silt fence - improperly - told to fix and add bales.

GSE demobilizing from site today.

Frazier Mining welding pipe for leachate collection system.

Hardex placing pipe for leachate collection system.

Hardex cleaning up around site

DEP on site for Insp. Kim Ford, Patty Berry, Matt Mathews, Larry Ruiz

Attended County meeting with Waste Management - Invoice needs some Surety statements returned to SCS until for Hardex

List of Subcontractors

GSE demobilizing

Frazier Mining

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis F. DuPont Date: 10-24-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 10-25-02 Contract Day: +82 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 80 (PM) 85 Rain: Duration of rain:

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Korbelco 300 excavator	A	off road dump	A	OmniQuip ext For	I
JD 650H dozer	A	off road dump	I		
JD 750G dozer	A	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:

1 Handex — No. of Superintendents

3 Handex 2-Fraser — No. of Skilled

4 Handex — No. of Laborers

Description of Construction Activity Handex placing rock on leachate collection pipe —

Fraser Minning cutting and welding leachate collection pipe

Prewelded pipe was determined to be drilled in some what of a spiral pattern — not enough to be visable to eye ~~as~~ one section but when laid out one can see the effect. Measured at painted blue line on pipe hole pattern can be 2"-3" off end to end. When holes are placed down at begin beginning of section — hole pattern some degree at other end, very dramatic when many lengths are welded together solution cut sections rotate pipe when backfill with rock the reweld next section.

Pay Application #6 held up due to original Surety statements going to Texas not wait for Handex Florida.

List of Subcontractors

Fraser Minning

maybe Monday

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 10-25-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 10-26-02 Contract Day: T 83

Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 80 (PM) 90 Rain: Duration of rain:

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Kobelco 300 excavator	off road dump	Omni Bump Ext. Fork I
JD 650 H dozer	off road dump	
JD 750 G dozer	Fiat Allis grader	
5 month drum roller I	Volvo Front loader	

Personnel on site:

1 Handex 1 foreman — No. of Superintendents

2 ~~3~~ Handex 2 Fraser — No. of Skilled

short time

4 Handex — No. of Laborers

Description of Construction Activity Handex continues to place sand and build roads for placing pipe and rock.

Fraser Mining assembling leachate collection pipe

Matt Kronie on site at about 1130 large black cloud came up from direction of reservoir area like explosion — 2 photos taken from trailer facing north.

Fraser Minning did not stay long everyone getting each others way. left.

List of Subcontractors

Fraser Minning

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 10-26-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 10-27-02 Contract Day: +84 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity No Activity Today

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 10-27-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 10-28-02 Contract Day: +85 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 90 Rain: ___ Duration of rain: _____

Description of weather: Clear

List of Equipment on site: (A) for active (I) for idle

Kobelco 30D excavator	A	Offroad dump	A	OmniRip ext Fork	E removed Today
JD 650H dozer	I	Offroad dump	A		
JD 650G dozer	A	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:

1 Hardex — No. of Superintendents

3 Hardex 2 Fraser — No. of Skilled

4 Hardex +2 more at 1000 — No. of Laborers

Description of Construction Activity: Fraser welding pipe - Hardex placing pipe and placing rock Taking photos Jerry from Hardex went offsite to get bolts nuts washers for flanges

Fraser Mine made up clean out for leachate collection header

Hardex determined after fighting 8" pipe last week and today with holes drilled in spiral around pipe 2"-3" off - best to shut down pipe installation

Hardex continues to place sand untill Hardex & Fraser come to an agreement

OmniRip extension Fork used by GSE removed from site today

List of Subcontractors

Frazer Mining

List of Materials Delivered

10 rolls HDPE liner 300'x23' 80mil checked roll #'s with Ticket in field

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis L. DuPont Date: 10-28-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion — Project number: 09200020.32

Owner: Hillsborough County — Contractor: Hendex

Date: 10-29-02 — Contract Day: +86 — Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 90 — Rain: _____ — Duration of rain: _____

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

Kobelco 300 excavator	A	Offroad dump	A		
JD 650 H dozer	I	offroad dump	A		
JD 750 G dozer	A	Flat Allis grader	A		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:

1 Hendex — No. of Superintendents

3 Hendex 2 Fraser — No. of Skilled

5 Hendex — No. of Laborers

Description of Construction Activity: Hendex grading around Anchor Trench to get ready for compaction. — Hendex placing filter sand — 3 laborers in front

Fraser Mining Crew using Front Loader to assist in assembling system for Sump pump and other pipe work only fittings

Hendex will most likely run out of filter sand today

Progress meeting #41 Today —

Decided on how to place pipe so holes are down - will start tomorrow will require balancing out - splitting difference in hole rotation because of how holes were drilled in pipe — by splitting holes at both ends of pipe are down.

List of Subcontractors

Fraser Mining

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. Dunbar — Date 10-29-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 10-30-07 Contract Day: 187 Contract Duration:

Days Remaining:

Weather: partly cloudy drizzle

Temperature: (AM) 80 (PM) 85 Rain: Duration of rain:

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Mack IV excavator	A	offroad dump	½ A
JD 650H dozer	½ A	offroad dump	½ A
JD 750 C dozer	I	Fiat Allis grader	I
Smooth drum roller	I	Volvo Front loader	A

Personnel on site:

1 Hardex (No. of Superintendents) 3 Hardex 2 Fraser (No. of Skilled) 6 Hardex (No. of Laborers)

Description of Construction Activity: Hardex - installed just about all of their stockpile of filter sand.

Hardex began forming out the interior dividing berm

Hardex cleaned up area around liner storage

Fraser Mining - welding pipe - Hardex system and Trench lines

Korbelco 300 excavator loaded out for slightly smaller excavator.

began working on leachate collection line nearest dividing berm on West side

List of Subcontractors

Fraser Mining

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis A. Dunford Date: 10-30-07

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 10-31-02 Contract Day: +88 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 75 (PM) 80 Rain: Trace Duration of rain: _____

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

Mack IV excavator	A	offroad dump	I
JD 650H dozer	A	offroad dump	I
JD 750G dozer		Fiat Allis grader	
Smooth drum roller	I	Volvo Front loader	A

Personnel on site:

1 Hardex — No. of Superintendents

3 Hardex 2 Fraser — No. of Skilled

6 Hardex — No. of Laborers

Description of Construction Activity: Hardex placing leachate collection pipe welded yesterday in rock. — shaping Berm interior as per Fda

Pumping water out of sump

Fraser - welding pipe in leachate collection Trench near West side dividing berm

Hardex out of sand

Hardex began first tee ~~tie~~ tie in at Evans

List of Subcontractors

Fraser Mining

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis M DuPont Date: 10-31-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion — Project number: 09200020.32

Owner: Hillsborough County — Contractor: Hardex

Date: 11-1-02 — Contract Day: +89 — Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 78 — Rain: _____ — Duration of rain: drizzle

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

Mark IV excavator	A	off road dump	A
JD 650H dozer	I	off road dump	I
JD 750G dozer	I	Fiat Allis grader	I
Smooth drum roller	I	Volvo Front loader	A

Personnel on site:

1 Hardex — No. of Superintendents

3 Hardex 2 Fraser — No. of Skilled

6 Hardex — No. of Laborers

Description of Construction Activity: Hardex assisting Fraser install leachate collection system - placing rock on pipe covering with geo textile

Tee connection to header and clean out pipes on south end

Labor crew cutting & empling sand bags - cleaning up bee composite for sand placement

Fraser welding pipe connections see above. and clean outs on N. end

List of Subcontractors

Fraser Mining

List of Materials Delivered

Interior Seperation Valve and some tie in fittings for pump, check valves etc.

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis P. DuPont — Date: 11-1-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardex

Date: 11-2-02 Contract Day: +90 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Muck III excavator	A	offroad dump	I		
JD 650H dozer	A	offroad dump	I		
JD 750G dozer	I	Fiat Allis grader	I		
Smooth drum roller	I	Volvo Front loader	A		

Personnel on site:

1 Hardex — No. of Superintendents

3 Hardex Fraser — No. of Skilled

4 Hardex — No. of Laborers

Description of Construction Activity Hardex - clean up - placing Geocomposite - pump some water

Fraser not on site Today

Hardex left at Noon

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 11-2-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 11-3-02 Contract Day: +91 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity No Activity Today

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. DuPont Date 11-3-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 11-4-02 Contract Day: 492 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 85 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Mack IV excavator	A	Offroad dump	
JD 650 H dozer	A	Offroad dump	
JD 750 C dozer		Fiat Allis grader	
Smooth drum roller	I	Volvo front loader	

Personnel on site:

1 Hardex — No. of Superintendents

3 Hardex 2 Fraser — No. of Skilled

4 Hardex — No. of Laborers

Description of Construction Activity: Fraser Mining welding clean outs N. end — sump area prep for leachate collection pump nipper — caps for clean outs & risers on South side — Installed 18"-hdr to add B' pup. Hardex clean-up — Knock down wind row on fill road reads placing geotextile on rock for leachate collection system

Peninsula Design to survey pipe for as built and to set some control points for grading filter road.

List of Subcontractors

Fraser Mining

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis G. Durkee Date: 11-4-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expension
Project number: 09206020.32
Owner: Hillsborough County
Contractor: Hardex
Date: 11-5-02
Contract Day: +93
Contract Duration:
Days Remaining:
rain begin 1445 Trace
Weather
Temperature: (AM) 80 (PM) 85 Rain: Duration of rain:
Description of weather: Partly To cloudy
List of Equipment on site: (A) for active (I) for idle

Mack IV excavator	A	Offroad dump	A
D65DH dozer	I	Offroad dump	A
JD750G dozer	I	Fiat Allis grader	I
Smooth drum roller	I	Volvo Front loader	A

Personnel on site:
1 Hardex — No. of Superintendents
3 Hardex 2 Frazer — No. of Skilled
2 Hardex — No. of Laborers

Description of Construction Activity: Hardex assisted Fraser Mining To make last of welds in cell, except for Valveat interior Seperation berm.
Hardex began on working on perimeter ditch around cell To retention basin "C".
Fraser Mining once finished welds in cell began building double wall Pipe for leachate discharge line.

Progress Meeting #42

List of Subcontractors
Fraser Mining

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis D. Dunbar
Date: 11-5-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section F Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 11-6-02 Contract Day: +94 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 85 Rain: 0.1 in. rain in AM Duration of rain: _____

Description of weather: cloudy windy some rain

List of Equipment on site: (A) for active (I) for idle

Mack TE 300 excavator	A	Offroad dump	A
JD 650H dozer	A	Offroad dump	A
JD 750J dozer	I	Fiat Allis grader	F removed
Smooth drum roller	I	Volvo Front loader	A

Personnel on site:

1 Hardex — No. of Superintendents

3 Hardex 2 Fraser ½ day — No. of Skilled

2 Hardex — No. of Laborers

Description of Construction Activity: Hardex cleaning RCP on trailer going into Retension Basin "C" — began building perimeter drainage ditch around cell

Fraser Mining on site ½ day to weld up 3" double wall pipe

DCR on site for cost est. to Hardex

List of Subcontractors

Fraser Mining ½ day

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis G. Dunford Date: 11-6-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: #8 Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 11-7-02 Contract Day: +95 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 80 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Mark IV excavator	A	Offroad dump	A
JD 650H dozer	A	offroad dump	A
JD 750G dozer	I	Volvo Front loader	I
Smooth drum roller	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	2

Description of Construction Activity

Hillsborough County had video log made of leak detection pipe system and leachate collection system (Florida Jet Clean)

Hardex Continues to construct perimeter drainage ditch, and placing excavated material as fill west of west berm.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. DuPont Date 11-7-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion
Project number: 09200020.32
Owner: Hillsborough County
Contractor: Header
Date: 11-8-02
Contract Day: 196
Contract Duration:
Days Remaining:
Weather
Temperature: (AM) 70 (PM) 80 Rain: Duration of rain:
Description of weather: Clear

List of Equipment on site: (A) for active (I) for idle

Mark III 300 excavator	A	Offroad dump	A
D6 50H dozer	A	offroad dump	A
D7 5DG dozer	A	Volvo Front loader	I
Smooth drum roller	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	2

Description of Construction Activity
Header continues to construct perimeter drainage ditch and place excavated material West of west berm.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 11-8-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 11-9-02 Contract Day: +97 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 75 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Mack TV 300 excavator	A	Offroad dump	A
JD 650 H dozer		offroad dump	A
JD 750 G dozer		Volvo Front Loader	
Smooth drum roller			

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
	3	1

Description of Construction Activity

Hardee continues to construct perimeter drainage ditch and place excavated material W of West Berm and N. of North Berm.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis B. DuBost Date 11-9-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Haudex

Date: 11-10-02 Contract Day: +98 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity: No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis D. DuPont Date: 11-10-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion — Project number: 09200020.32

Owner: Hillsborough County — Contractor: Hendex

Date: 11-11-02 — Contract Day: +99 — Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 85 — Rain: _____ — Duration of rain: _____

Description of weather: clear - partly cloudy

List of Equipment on site: (A) for active (I) for idle

Mack IV excavator	I	Offroad dump	I
JD 650 LC dozer	A	Offroad dump	I
JD 750 LC dozer	A	Volvo Front loader	A
Smooth drum roller	I		

Personnel on site:

1 — No. of Superintendents

3 — No. of Skilled

2 — No. of Laborers

Description of Construction Activity: Hendex dressing up perimeter drainage ditch - cleaning culverts going into Retention basin "C"

changed lap on geotextile, made sure of 2' lap and backfilled with sand from edge of haul roads - knocked down wind row at edge to hold Geotextile in place in case of storm. observed backfilling operations - OK

List of Subcontractors

_____

List of Materials Delivered

_____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis A. DuPont — Date: 11-11-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 11-12-02 Contract Day: +100 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 75 (PM) 85 Rain: 1.4 inch began @ 1800 hrs Duration of rain: _____

Description of weather: clear to cloudy

List of Equipment on site: (A) for active (I) for idle

Mack EE excavator	A	offroad dump
JD 650C dozer	A	offroad dump
JD 750 H dozer	A	Volvo front loader
Smooth drum roller	I	

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hardex still attempting to clean out culverts near trailers - going into retention basin "C"

Hardex made sure of 2' lap of geotextile is correct on leachate collection pipe and rock and is closed up - placing sand on top of geotextile in anticipation of storm so sand does not leach into rock

Hardex dressing perimeter drainage ditch

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 11-12-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 11-13-02 Contract Day: + 101 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Merk IV excavator	A	offroad dump	I
JD 650 dozer	A	offroad dump	I
JD 750 dozer	I	Volvo front loader removed	
Smooth drum roller	I	water truck added	A

Personnel on site:

1 No. of Superintendents 3 No. of Skilled 4 No. of Laborers

Description of Construction Activity Hendex pumping some water from rain last night.

McCullough McCullough Grass Corp. on site to place sod.

Hendex worked on removing material from RCP near Treiber going into retention Basin "C".

Hendex ~~#~~ cleaning up, dressing roads in cell.

Progress Meeting #43

List of Subcontractors

~~McCullough Grass Corp.~~ McCullough

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont Date 11-13-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 11-14-02 Contract Day: +102 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 80 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Mack TE 30 excavator	A	Off road dump Truck	I
JD 650 dozer	A	off road dump	I
JD 750 dozer	I	water truck	
Smooth drum roller	I		

Personnel on site:

1	3	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hendex spreading Top soil near Stagingarea on West side of cell.

Hendex still Trying to clear culverts.

McCullough Grass Corp placing sod in Perimeter drainage ditch

County Meeting with Waste Management

Visit from John Banks & Mr. Conrad SCS

Aerial – Photos by Hillsborough County – helicopter

List of Subcontractors

McCullough Grass Corp.

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. DuPont Date 11-14-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 11-15-02 Contract Day: +163 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 80 Rain: _____ Duration of rain: _____

Description of weather: partly cloudy - cloudy

List of Equipment on site: (A) for active (I) for idle

Mark IV 300 excavator	A	offroad dump	A		
JD 650 dozer	A	offroad dump	A		
JD 750 dozer	A	Water Truck	A		
Smooth drum roller	I				

Personnel on site:

0	3	1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hardex dressing up Perimeter drainage ditch - plan on placing sod, hay bales and silt fence

McCullough on site to place sod.

List of Subcontractors

McCullough Grass Corp.

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 11-15-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 11-16-02 Contract Day: #104 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: 2.4 Duration of rain: all day

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

1	1	
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex pumped water, ~~meeti~~ meeting with County to designate areas for filter sand and general fill.

List of Subcontractors

_____ _____ _____

List of Materials Delivered

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 11-18-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200070.32

Owner: Hillsborough County Contractor: Hardex

Date: 11-17-02 Contract Day: +105 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity: No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis R. DuPont Date: 11-18-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 11-18-02 Contract Day: +106 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 60 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Mark II 300 excavator	I	off road dump	I		
JD 650 dozer	A	off road dump	I		
JD 750 dozer	A	Water Truck	I		
Smooth drum roller	I				

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	

Description of Construction Activity Hardex pumping water from Saturday rain. Stopped pumps at noon - so not to overflow pond.

Peninsula Design on site to survey areas for filter sand and gravel general fill.

Burgess on site to pull soil samples for filter sand and general fill. Verbal of previous soils tests of filter sand in soil have passed.

McCullough continues to place sod.

List of Subcontractors

Peninsula Design — McCullough

Burgess

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis F DuPont Date 11-18-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hendex

Date: 11-19-02 **Contract Day:** # 107 **Contract Duration:**

Days Remaining:

Weather

Temperature: (AM) 60 **(PM)** 75 **Rain:** **Duration of rain:**

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Mark IV 300 excavator	A	Off road dump	A		
JD 650 dozer	A	off road dump	A		
JD 750 dozer	A	water Truck	I		
Smooth drum roller	I				

Personnel on site:

1	2	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hendex Pumping water keeping an eye on overflow for Retention Basin "C". Can not pump to "B" - Too full Shut off pump at 1145

Peninsula Design on site to shoot some offset points in case Hendex goes outside borrow staked a little. — so far staying inside.

McCullough Grass Corp on site placing sod in perimeter drainage ditch sod must be checker boarded —

Hendex began excavating and placing fill for seal from on site borrow source, placing sand beginning SE corner along E slope to North.

Progress Meeting # 44

Hendex ~~will need to~~ dress ditch before more sod is placed on the South ditch and E. ditch south of RCP going into basin "C"

Delivered Tape copies of P.M. 33, 34, 35, 36 and 37 To FedEx for Hendex.

List of Subcontractors

Peninsula Design

McCullough Grass Corp

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis St. DuPont **Date** 11-19-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardee

Date: 11-20-02 **Contract Day:** +108 **Contract Duration:** _____

Days Remaining: _____

Weather

Temperature: (AM) 65 **(PM)** 75 **Rain:** _____ **Duration of rain:** _____

Description of weather: clear - partly cloudy

List of Equipment on site: (A) for active (I) for idle

Mack TV 300 excavator	A	off road dump	A		
JD 650 dozer	A	off road dump	A		
JD 750 dozer	A	water truck	I-A		
Smooth drum roller	I				

Personnel on site:

1 **No. of Superintendents** 2 **No. of Skilled** 3 **No. of Laborers**

Description of Construction Activity Hardee excavating filter sand from on site borrow source and placing on East slope.

McCullough Gress Corp on site placing sod in East side perimeter drainage ditch

Hardee pumping water to retention Basin "D" - hay bales in ditch

Hardee continues to place filter sand in cell grading cell floor on East side

Hardee watering sod

List of Subcontractors

McCullough Gress Corp

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont **Date** 11-20-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hondex

Date: 11-21-02 **Contract Day:** +109 **Contract Duration:** _____

Days Remaining: _____

Weather

Temperature: (AM) 65 **(PM)** 75 **Rain:** _____ **Duration of rain:** _____

Description of weather: partly cloudy

List of Equipment on site: (A) for active (I) for idle

Mark IV 300 excavator	A	off road dump	A	
JD 650 dozer	A	off road dump	A	
JD 750 dozer	A	water truck	A	
Smooth drum roller	I			

Personnel on site:

1	2	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hondex continues to place filter sand from on-site borrow source. Working area on East side of cell.

McCullough Grass Corp. continues to place sod in perimeter ditch on East side

almost all water out of cell area beginning to pump water out of area West of West berm - pump would not start - pump fixed back to pumping out West side of West Berm

Hondex put Green food coloring in sump to see if it pumps out of leak detection

Hondex moved 82 load today 64 yesterday

Hondex watered sod

List of Subcontractors

McCullough Grass Corp.

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont **Date** 11-21-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 11-22-02 **Contract Day:** #10 **Contract Duration:**

Days Remaining:

Weather

Temperature: (AM) 60 **(PM)** **Rain:** **Duration of rain:**

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

Mark IV 300 excavator	A	Off road dump	A
JD 650 dozer	A	Off road dump	A
JD 750 dozer	A	water truck	
Smooth drum roller	I		

Personnel on site:

1	2	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex placing filter sand between interior seperation berm and East edge of cell.
No indication of brown food coloring when leak detection was pumped today.
McCullough Gross Corp. placing sod in Perimeter Drainage Ditch on south end of C.D.A.

Hardex pumping water out of the west side of West berm at about 1000

Larry Ruiz & Bob Sheila on site to look at and answer questions from DEP - Sheila left. Bob Gardner came to verify answers for DEP

Hardex clean up site empting and removing sand bags, picking up any loose stuff in cell.

Hardex will keep water pumped down in cell only to level of sump.

List of Subcontractors

McCullough Gross Corp.

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont **Date** 11-22-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 11-23-02 Contract Day: + 111 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 50 (PM) 60 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Mack EF200 excavator	A	offroad dump	A		
JD 650 dozer	I	offroad Dump	A		
JD 750 dozer	A	water truck	A		
9 mouth drum roller	I				

Personnel on site:

1	2	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

Hardee continues to place filter sand in cell moving East to West in cell pushing generally from South to North to minimize wrinkles in Geotextile.
Hardee cleaning up in and around Cell
Hardee maintaing water level in sump area.
Area West of West berm is pumped down.
Watked need to check for cleanup rock wrinkles in Geocomposite.
Hardee watering sod

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L DuPont Date 11-23-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 092000 20.32

Owner: Hillsborough County Contractor: Hardex

Date: 11-24-02 Contract Day: + 112 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. DuPont Date 11-25-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 11-25-02 **Contract Day:** +113 **Contract Duration:** _____

Days Remaining: _____

Weather

Temperature: (AM) 65 **(PM)** 75 **Rain:** _____ **Duration of rain:** _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Mack DF 300 excavator	A	Offroad dump	A		
JD 650 dozer	A	offroad dump	A		
JD 750 dozer	A	water Truck	A		
Smooth drum roller	I				

Personnel on site:

1	2	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex continues to place filter sand in cell – grading Eastern most section – Bringing in fill for central section – leaving area open where North berm will be.
Grading & cleaning up at North East Corner
Hardex maintaining water level in sump area – removing water from West of West berm area.
Areas of Geocomposite foldover marked not to fill.
McCullough Grass Corp. on site to continue to place sod in perimeter drainage ditch on south side

DEP on site ~~Kim Ford~~ Bob Gardner Patty – W.M. Lacy R.

Hardex watering sod

Hardex clean up area North of Cell near East slope for drainage will put up silt fence to embrace

List of Subcontractors

McCullough Grass Corp

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont **Date** 11-25-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

(?) out of fuel
labors late
(?) resolved

DAILY FIELD REPORT

Project: Section

Project number: 09200020.32

Owner: Hillsbo

Contractor: Handex

Date: 11-26-02 Contract Day: + 114 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 65 (PM) Rain: Duration of rain:

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Mark IV 300 excavator	off road dump	
JD 650 dozer	off road dump	
JD 750 dozer	Water Truck	
Smooth drum roller		

Personnel on site:

1	2	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Handex out of fuel for equipment — waiting for fuel Truck. Laborers late comming in.

Handex placing siltfence in pereperation for leaving for Holidays.

McCullough Grass Corp. on site placing sod

Handex relocating surplus filter sand from grading at East of seperation berm and moving to West side of seperation berm.

Handex just beginning to knock down piles of filter sand on finger just west of seperation berm — dozer out of fuel — Labor pool van called — fuel Truck on site @ 1440. — 1500 began fueling equipment finished watering sod picked up Then left.

List of Subcontractors

McCullough Grass Corp.

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 11-26-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section F Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 11-27-02 Contract Day: + 115 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hondex leaving for Holidays today
no work today.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 11-26-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 11-28-02 **Contract Day:** +116 **Contract Duration:** _____

Days Remaining: _____

Weather

Temperature: (AM) _____ **(PM)** _____ **Rain:** _____ **Duration of rain:** _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity Today Holiday

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont **Date** 11-26-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendrix

Date: 11-29-02 Contract Day: +117 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 11-26-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hendry

Date: 11-30-02 **Contract Day:** +118 **Contract Duration:** _____

Days Remaining: _____

Weather

Temperature: (AM) _____ **(PM)** _____ **Rain:** _____ **Duration of rain:** _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R DuPont **Date** 11-26-02

(see reverse side for documentation of quantities). . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendrix

Date: 12-1-02 Contract Day: +119 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R DuPont Date 11-26-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 12-2-02 **Contract Day:** + 120 **Contract Duration:** _____

Days Remaining: _____

Weather

Temperature: (AM) 60 **(PM)** 70 **Rain:** _____ **Duration of rain:** _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Mack IV 300 excavator	I	Off road dump	I	
JD 650 dozer	I	off road dump	I	
JD 750 dozer	I	water truck	A	
Smooth drum roller	I			

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
Dave Whelen proposed	1	3

Description of Construction Activity Handex watering sod.
Discuss with Dave Whelen that Handex needs to supply Statement of Qualification with intent to make Dave the Superintendent of this project. — To County + SCS.

Handex began cleaning geocomposite in preperation for removing wrinkles.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont **Date** 12-2-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 12-3-02 Contract Day: +121 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 60 (PM) 70 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Mark IV 300 excavator	I	offroad dump	I	
JD 650 dozer	I	offroad dump	I	
JD 750 dozer	A	Water Truck	A	
Smooth drum roller	I			

Personnel on site:

1	1	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity: Hardex cleaned up & graded on-site borrow area. Watered sod — cleaned up Geocomposite for in preparation for repairing wrinkles.

Progress Meeting #45

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis D. DuPont Date: 12-3-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 12-4-02 **Contract Day:** ~~+122 Non~~ +152 Substantial +172 Final **Contract Duration:**

Days Remaining:

Weather

Temperature: (AM) 65 **(PM)** 75 **Rain:** **Duration of rain:**

Description of weather: clear to cloudy

List of Equipment on site: (A) for active (I) for idle

Mark IV 300 excavator	A	off road dump Rex	A
JD 650 dozer	A	off road dump Rex	A
JD 750 dozer	A	water truck	I
Smooth drum roller	I	off road dump delivered	A

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	3

Description of Construction Activity Hardex held site safety meeting this A.M.

Hardex grading slopes South and East - placing seed West of interior separation berm on South slopes.

Meeting held with Hardex Brian Ehrler and Dave Whalen in SCS office Dennis Brown by phone, Larry Ruiz, Sheila Carpenter Van-Dike, Dennis DuPont - Project schedule - questions to be through chain of communication and use R.F.I.'s.

Hardex had 3rd offroad dump truck delivered today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 12-4-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 12-5-02 **Contract Day:** +153 Substantial +103 Final **Contract Duration:**

Days Remaining:

Weather

rain at night read gage at 0800 on 12-6-02

Temperature: (AM) 65 **(PM)** 75 **Rain:** 1.7" **Duration of rain:**

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

Mark IV 300 excavator	A	offroad dump	A
JD 650 dozer	A	offroad dump	A
JD 750 dozer	A	offroad dump	A
Smooth drum roller	I	water truck	I

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	3

Description of Construction Activity Hardex grading slopes, South & East side placing seed South slope West of interior seperation berm and on cell floor

Hardex is having to regrade the cell floor East of interior seperation berm do to the fact that when first done lazer was set exactly at 1.0 ft - befor Holidays of Nov. 27 to today seed settled to 1.8 ft. not good enough for survey at 1.0 ft.

RFI #14 received and returned - must have filter sand on West slope of west berm not General fill.

Received draft Project Schedule

Hardex stated EPB & DCR should be here Monday to open Together for Pump equip.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont **Date** 12-5-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09206020.32

Owner: Hillsborough County Contractor: Hardex

Date: 12-6-02 Contract Day: +124 Final +154 Substantial Contract Duration: _____

Days Remaining: _____

Weather: drizzle

Temperature: (AM) 55 (PM) 55 Rain: Trace Duration of rain: _____

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

Mark IV - JD330C excavator	A	offroad dump	A	offroad dump - shifting E	
JD650 dozer	A	offroad dump	A		
JD 750 dozer	A	offroad dump	A		
Smooth drum roller	I	water Truck	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	3

Description of Construction Activity: Hardex plans to work laborers ½ day putting up silt fence and hay bales. Dozers knocking down sand piles from yesterday and doing some grading.

Hardex exchanged Mark IV excavator for a JD 330 C excavator early Today.

Hardex continues to place sand in cell now on East side of West slope - being careful pushing sand - going uphill doesn't create any wrinkles in @ composite.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis G. DuPont Date: 12-6-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 12-7-02 Contract Day: #125 final Contract Duration: #155 Substantial

Days Remaining: _____

Weather

Temperature: (AM) 60 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: partly cloudy To clear

List of Equipment on site: (A) for active (I) for idle

JD 330C Excavator	A	offroad dump Rex	Water Truck I
JD 650 dozer	A	offroad dump Rex	
JD 750 dozer	A	offroad dump Rex Trans. I	
Smooth drum roller	I	offroad dump JD	

Personnel on site:

1 No. of Superintendents 3 No. of Skilled 3 No. of Laborers

Description of Construction Activity Hendex began to pump down Cell only 85gal from leak detection system

Hendex continues to place filter sand and grade, placing sand on West side of West berm starting North to South (area was pumped dry yesterday) at Toe of slope, pushing up hill to minimize wrinkles.

Peninsula Design on site to survey on-site borrow area for General Fill material to be used to fill area West of West berm.

List of Subcontractors

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative _____ Date _____

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 12-8-02 Contract Day: +150 Substantial +126 Final Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: 0.2" at night read @ 0800 monday Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity No Activity Today

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 12-8-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 12-9-02 Contract Day: +157 Subsantial +127 final Contract Duration:

Days Remaining: 0.2 in from last night @0800

Weather drizzle — rain all AM. 12 — rain

Temperature: (AM) 65 (PM) 70 Rain: Duration of rain:

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330C excavator	I	offroad dump rex		water Truck	I
JD 650 dozer	A	offroad dump rex			
JD 750 dozer	A	offroad dump rex Trans.	I		
Smooth drum roller	I	offroad dump JD			

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3/2	

Description of Construction Activity Hendex cleaning up haul roads and filter sand borrow area — pumping water from cell to basin "D"

Expecting rain Today & Tommorow

Peninsula Design on site for general fill topo of borrow area

Rain began fairly heavy at 1200

List of Subcontractors

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 12-9-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion Project number: 04700020.32

Owner: Hillsborough County Contractor: Hardex

Date: 12-10-02 Contract Day: +158 substantial +128 final Contract Duration:

Days Remaining: _____ from 1200hrs yesterday to 1200hrs. today

Weather

Temperature: (AM) _____ (PM) _____ Rain: 3.2" Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

_____ No. of Superintendents _____ No. of Skilled _____ No. of Laborers

Description of Construction Activity: Hardex only pumped water no other activity. Too wet SCS not on site. Attempted to eliminate ponding on Northend

List of Subcontractors

_____ _____ _____

_____ _____ _____

List of Materials Delivered

_____ _____ _____

_____ _____ _____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis R. DuPont Date: 12-11-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 12-11-02 Contract Day: +159 subsantial +129 final Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 70 (PM) 80 Rain: Duration of rain:

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330 C excavator	A	Off road dump Rex	A	Water truck	I
JD 650H dozer	A	off road dump Rex	A		
JD 750C dozer	A	off road dump Rex	A		
Smooth drum roller	I	JD off road dump	A		

Personnel on site:

1	3	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Handex placing sand in cell

Had safety meeting at 7 AM.

Handex grading filter sand on West Berm

Grading to 1 ft. in area between interior seperation berm and West berm.

Progress Meeting #46

Pumping water out of cell to facilitate continued ~~sa~~ filter sand placement.

Dave Faulkner on site from Burcaw to visit Dave Whalen of Handex

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 12-11-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 12-12-02 Contract Day: +160 substantial +130 final Contract Duration:

Days Remaining: _____

Weather

Temperature: (AM) 60 (PM) 70 Rain: light rain - drizzle start 0900hrs all day Duration of rain:

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330C excavator	A	TeRex offroad dump	A
JD 650H dozer	A	TeRex offroad dump	A
JD 750C dozer	A	TeRex offroad dump	A
Smooth drum roller	I	JD offroad dump	A

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	4

Description of Construction Activity Hardex continues to place filter sand in cell between interior seperation berm and West berm.

Hardex continues to pump water from cell - Geocomposite and sand still draining

2 - dump trucks stopped -

Hardex putting up silt fence and Hay bales in preperation for storm moving in.

Peninsula Design on site to survey locations of North Berm.

List of Subcontractors

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuPont Date 12-12-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 12-13-02 Contract Day: +131 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: 3.5" @ 0800 at 0920 raingage running over at 9.5" Duration of rain: till about 1300 (2 after 0920)

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hendex diverting all water away from Reclamation Basin "D" no pumping all basins full
Hendex trying to keep water from running over access roads
No other activity today
Excavator loaned to WMI

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis N. DuPont Date 12-13-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardaway

Date: 12-14-02 Contract Day: + 132 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No work today Cell under water

Excavator loaned to WMI

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 12-14-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Harders

Date: 12-15-02 Contract Day: +133 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 12-16-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 12-16-02 Contract Day: +134 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330C excavator	Terex off road dump
JD 650 H dozer	Terex off road dump
JD 750 C dozer	Terex off road dump
Smooth drum roller I	JD off road dump

Personnel on site:

1 No. of Superintendents 3 No. of Skilled _____ No. of Laborers

Description of Construction Activity Hendex replacing hay bales and silt Fence in order to begin pumping down cell area.

Installed some Flock logs

List of Subcontractors

_____

List of Materials Delivered

_____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. DuPont Date 12-16-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 12-17-02 Contract Day: +135 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: clear — To partly cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330C excavator A	Terex Offroad dump A	water truck I
JD 650 dozer A	Terex offroad dump A	
JD 750 dozer A	Terex offroad dump A	
Smooth drum roller A	JD offroad dump A	

Personnel on site:

1	3	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Handex dewatering cell into Basin "C" hay bales, siltfence and Flock logs in place.

Handex began placing general fill in North West corner of fill area - parked one truck to have roller begin compacting fill.

Safety meeting held by Handex - SCS not present,

Progress Meeting #47

Bucaw on site to collect last of samples for filter sand and samples for conformance of general fill.

List of Subcontractors

Bucaw

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 12-17-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion — Project number: 09200020.32

Owner: Hillsborough County — Contractor: Hardee

Date: 12-18-02 — Contract Day: + 136 — Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 80 — Rain: _____ — Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 C excavator	A	Terex off road dump	A	water truck removed today	
JD 650 dozer	A	Terex off road dump	I		
JD 750 dozer	A	Terex off road dump	I		
Smooth drum roller part day		JD off road dump	I		

Personnel on site:

1	3	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardee ~~grader~~ grading and maintaining slopes from erosion from rains. Rolling and compacting general fill placed North and West of cell Pumping out cell - placing more Turbidity and clarifier material for water discharge

General fill placed Too wet - scraped up and mixed to dry

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis St. DuLont — Date 12-18-02

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200070.32

Owner: Hillsborough County Contractor: Hendex

Date: 12-19-02 Contract Day: + 137 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 ~~65~~ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330C Excavator		Terex off road dump	
JD 650 dozer	A	Terex off road dump	
JD 750 dozer	A	Terex off road dump	
Smooth drum roller partly		JD off road dump	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	3

Description of Construction Activity

Hendex dewatered cell overnight - began to dewater area West of West berm.
Monthly-county - SCS - WMI meeting
Hendex grading 1 ft. lift of ~~general~~ general fill - compacting for tests better today for density, sieve and atterberg.
~~Bur~~ Burcaw on site to test - moisture too high, compact too low opened up again. - Dave Faulkner to consult with Dave Whalen-Hendex
Hendex - installed ball valve at operation berm
Hillsborough County gave Hendex permission to use material off stockpile
Hendex - cut swale west of site to divert sheet runoff to North instead of going into South perimeter ditch

List of Subcontractors

Burcaw
ISCO

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 12-19-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Handex

Date: 12-20-02 Contract Day: +138

Contract Duration:

Days Remaining:

0.6 in. rain at 0800
0.7 in rain at 0800

Weather

Temperature: (AM) (PM) Rain: 0.7 Duration of rain:

Description of weather: rain cloudy

List of Equipment on site: (A) for active (I) for idle

JD 650 dozer A		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	

Description of Construction Activity Handex won't to get more haybales — no pumping at this time

Handex attempted to dry General fill placed North and West side of cell, worked on drainage swale to get runoff to go to North of cell area.

Handex pumped for short time area West of West berm

Site Superintendent stayed, operators left about 9-10 AM.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 12-20-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 12-21-02 Contract Day: + 139 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330C excavator	A	Terex off road dump	I
JD 650 dozer	A	Terex off road dump	I
JD 750 dozer	A	Terex off road dump	I
Smooth drum roller	I	JD off road dump	I

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
	2	

Description of Construction Activity

Hardex grading swale ditch West of well area to divert water to North.

Attempting to continue drying General fill and dewatering West of West berm

0945 still no Supt.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 12-21-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 12-22-02 Contract Day: + 140 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity: No activity Today

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis P. DuPont Date: 12-23-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09700020.32

Owner: Hillsborough County Contractor: Hardex

Date: 12-23-02 Contract Day: #141 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330C excavator A	Terex offroad dump	
JD 650 dozer	Terex offroad dump	
JD 750 dozer	Terex offroad dump	
9 smooth drum roller	JD offroad dump	

Personnel on site:

1	2	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex placed rock and Geotextile around 8" header and seperation ball valve for leachate collection pipe. Hardex delivering West of West berm south end in preparation to placing General fill. Installing temporary 18" pipe as crossover for haul trucks to bring in General fill

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis J. Dunleavy Date 12-23-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hardee

Date: 12-24-02 Contract Day: +142 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	A
JD 650 dozer	I	Terex off road dump	A
JD 750 dozer	A	Terex off road dump	A
smooth drum roller	A	JD off road dump	I

Personnel on site:

1 No. of Superintendents

2 No. of Skilled

3 No. of Laborers

Description of Construction Activity Hand placed hay bales and silt fence in preparation for rains

Excavated some general fill about 12 loads and placed on Sth side slope west of west berm

Burcaw on site to Test 1st lift of general fill west of West berm and North of North berm

List of Subcontractors

Burcaw

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont Date 12-26-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 12-25-02 Contract Day: + 143 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: .45 Duration of rain: over night from 24th

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	1	

Description of Construction Activity some emergency grading and some pumping

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 12-26-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 12-26-02 Contract Day: # 144 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 55 (PM) 65 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	I	Terex off road dump	I		
JD 650 dozer	I	Terex off road dump	I		
JD 750 dozer	A	Terex off road dump	I		
Smooth drum roller	I	JD off road dump	I		

Personnel on site:

1	2	
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardee pumped water out of cell graded & repaired some washouts

Material Too wet, ground too wet

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 12-26-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200070.32

Owner: Hillsborough County Contractor: Hardee

Date: 12-27-02 Contract Day: + 145 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 55 (PM) 65 Rain: _____ Duration of rain: _____

Description of weather: clear to partly Cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	I		
JD 650 dozer	I	Terex off road dump	I		
JD 750 dozer	A	Terex off road dump	I		
Smooth drum roller	I	JD Off road dump	A		

Personnel on site:

1 No. of Superintendents 2 No. of Skilled _____ No. of Laborers

Description of Construction Activity Hardee dewatering cell

Hardee stock piling General fill on side slopes outside cell area ready to push in for next layer of General fill

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. Dubberke Date 12-27-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion Project number: 09700020.32

Owner: Hillsborough County Contractor: Hendex

Date: 12-28-02 Contract Day: +146 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 55 (PM) 65 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

1 No. of Superintendents 2 No. of Skilled 4 No. of Laborers

Description of Construction Activity Hendex re established hay bales and silt fence, graded some drainage ways.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuLont Date 12-28-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 12-29-02 Contract Day: +147 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity: No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis A. DuPont Date: 12-30-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 12-30-02 Contract Day: +148 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	A
JD 650 dozer	A	Terex off road dump	A
JD 750 dozer		Terex off road dump	A
Smooth drum roller	I	JD off road dump	A

Personnel on site:

1 No. of Superintendents 3 No. of Skilled 4 No. of Laborers

Description of Construction Activity Hardex excavating and placing last of sand on South slope

Safety meeting — full crew

Progress Meeting #28

Hardex placed + groded out General fill West of West berm and North of North berm location.

Hardex stack piling filter sand with in cell for placment on North berm and interior seperation berm

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 12-30-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200022.32

Owner: Hillsborough County Contractor: Hardex

Date: 12-31-02 Contract Day: +149 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: partly cloudy to cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex offroad dump	A
JD 650 dozer	A	Terex offroad dump	A
JD 750 dozer		Terex offroad dump	Loaned to WMI
Smooth Drum roller	A	JD offroad dump	Loaned To WMI

Personnel on site:

1 No. of Superintendents 3 No. of Skilled 1 No. of Laborers

Description of Construction Activity Hardex placing general fill in area West of west Berm - grading and compacting

Hardex setting access tubes for survey of 18" expansion in sump for leachate collection system

List of Subcontractors

—

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 12-31-02

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 1-1-03 Contract Day: +150 Contract Duration: _____

Days Remaining: _____ on 12-31-02 night

Weather 5.5"

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	1	

Description of Construction Activity Hondex came out to pump and to maintain drainage – repaired & filled in erosion on roads

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 1-2-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 1-2-03 Contract Day: #151 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	I		
JD 650	A	Terex off road dump	I		
JD 750	A	Terex off road dump	I		
Smooth drum roller	I	~~Tere~~ JD off road dump	I		

Personnel on site:

1	3	
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex pumping water, repairing drainage, repairing silt fence & hay bales. Hardex grading borrow area of general fill North of cell area I

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 1-2-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 1-3-03 Contract Day: +152 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 60 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex offroad dump	
JD 650 dozer	A	Terex off road dump	
JD 750 dozer	A	Terex off road dump	
Smooth drum roller	A	JD off road dump	

Personnel on site:

1	4	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex dewatering Cell and area West of West berm.
Hardex grading sand filter in cell.
Hardex placing and grading General fill between slope West of West berm and ~~out~~ West side drainage swale — to prevent run off water from entering area West of West berm.
Hardex rolling and compacting General fill North of North berm
Peninsula Design on site to survey 18" riser in sump and set other points for Hardex
Hardex began placing material for North Berm.

List of Subcontractors

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

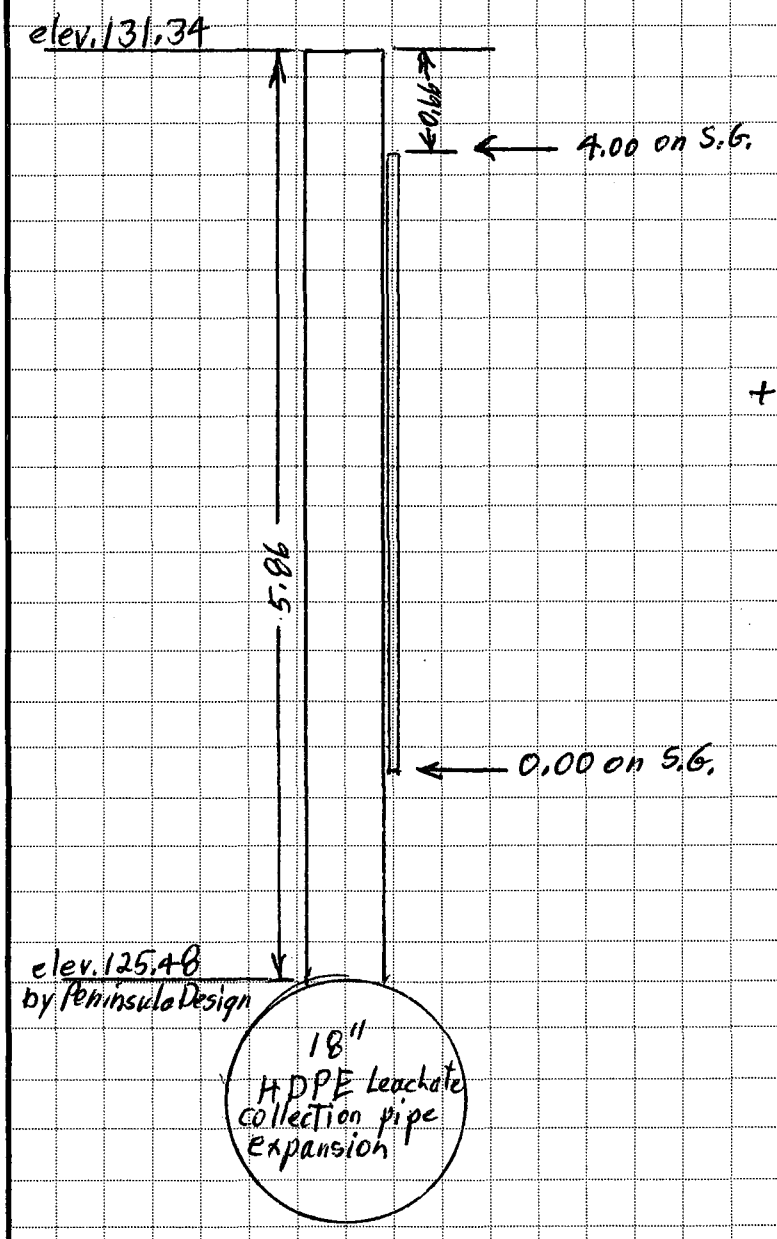
Field Representative Dennis B. Dunford Date 1-3-03

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS

SHEET _____ OF _____

CLIENT	PROJECT	JOB NO.
Hillsborough County	Section I Capacity Expansion	09720020.32
SUBJECT	BY	DATE
Staff Gage survey for water levels in cell.	DGD	1-3-03
	CHECKED	DATE



131.34
− 4.66
+ 126.68 S.G. corr.

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Heafer

Date: 1-4-03 Contract Day: +153 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 50 (PM) 60 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex offroad dump	
JD 650 dozer	A	Terex offroad dump	
JD 750 dozer	A	Terex off road dump	
Smooth drum roller	A	JD off road dump	

Personnel on site:

1	3½	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Heafer constructing North berm, Grading mixing drying General Fill North of North berm Grading compacting area between West & West berm slope and west drainage ditch.

Heafer dewatering Try to dry area West of West berm.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative _____ Date _____

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09700020.32

Owner: Hillsborough County Contractor: Hendry

Date: 1-5-03 Contract Day: +154 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity: No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis R. DuPont Date: 1-6-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09700020.32

Owner: Hillsborough County Contractor: Hardex

Date: 1-6-03 Contract Day: #153 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 55 (PM) 65 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex offroad dump	A
JD 650 dozer	A	Terex off road dump	A
JD 750 dozer	A	Terex off road dump	
Smooth drum roller	A	JD off road dump	A

Personnel on site:

1 No. of Superintendents 4 No. of Skilled 3 No. of Laborers

Description of Construction Activity Hardex de mucking West of West berm – replace with dry General Fill –
Safety meeting @ 700
Hardex Constructing North berm – keeping away from the wrinkles in the composite as much as possible

Returned Submittall #49 – Telemetry (No Exceptions Taken)

Hardex sent AA rain tarp + rain delay request

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. Dufort Date 1-6-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 1-7-03 Contract Day: T156 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 55 (PM) 65 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	A		
JD 650 dozer	A	Terex off road dump	A		
JD 750 dozer	A	Terex off road dump			
Smooth drum roller	broke	JD off road dump	A		

Personnel on site:

1 No. of Superintendents 4 No. of Skilled 3 No. of Laborers

Description of Construction Activity Hardex placing General fill, grading and compacting on West side of West berm

Hardex is constructing North Berm

Barcon on site to test General fill and interior seperation berm and North berm.

Progress Meeting #A9

List of Subcontractors

Barcon

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuPont Date 1-7-03

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200070.32

Owner: Hillsborough County

Contractor: Hardex

Date: 1-8-03 Contract Day: # 157 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 50 (PM) 65 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	A
JD 650 dozer	A	Terex off road dump	A
JD 750 dozer	A	Terex off road dump	A
Smooth drum roller-broke		JD off road dump	A

Personnel on site:

1	4	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Manually measured & verified 2' of filter sand on West side ~~and~~ Toe and flat to anchor trench of West berm so general fill placement can continue. Hardex placing General Fill West of West berm - grading and compacting Hardex placing and grading filter sand within cell near sump.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 1-8-03

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 1-9-02 Contract Day: + 158 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 55 (PM) 70 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	A
JD 650 dozer	A	Terex off road dump	A
JD 750 dozer	A	Terex off road dump	I
Smooth drum roller	A	JD off road dump replaced yesterday P.M.	A

Personnel on site:

1	4	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Handex dewatering—demucking lowest sump area West of West berm ready to place general fill

Handex grading filter sand within Cell.

Handex out of fuel expect ~~delivery~~ delivery at any time

Burcaw Testing General fill West of West berm

Hand cleaning geocomposite at North berm

List of Subcontractors

Burcaw

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. DuPont Date 1-9-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 1-10-03 Contract Day: + 159 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: partly Cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330 Excavator	A	Terex off road dump	A
JD 650 dozer	A	Terex off road dump	A
JD 750 dozer	A	Terex off road dump	I
Smooth drum roller	A	JD off road dump	A

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
Foreman/operator	2 operators	3

Description of Construction Activity

Hardee placing grading rolling and compacting Cranes fill West of West berm

Hardee grading filter sand in Cell

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. Duckett Date 1-10-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hender

Date: 1-11-03 Contract Day: + 160 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	A	
JD 650 dozer	A	Terex off road dump	A	
JD 750 dozer	A	Terex off road dump	I	
Smooth drum roller	A	JD off road dump	A	

Personnel on site: 1-former / operator

No. of Superintendents	No. of Skilled	No. of Laborers
	2	3

Description of Construction Activity: Hender placing grading compacting rolling General Fill on West side of West berm

Hender grading filter sand.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis R. Dufort Date: 1-11-03

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 1-12-03 Contract Day: _____ Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis H DePont Date 1-11-03

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Heidex

Date: 1-13-03 Contract Day: +162 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	A		
JD 650 dozer	A	Terex off road dump	A		
JD 750 dozer	A	Terex off road dump	A		
Smooth drum roller	A	JD off road dump	A		

Personnel on site:

1	4	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Heidex placing General fill on West Side of West Berm

Barcaw on site to test General fill

List of Subcontractors

Barcaw

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 1-14-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 1-14-03 Contract Day: +163 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	A
JD 650 dozer	A	Terex off road dump	A - broke today
JD 750 dozer	A	Terex off road dump	broke
Smooth drum roller		JD off road dump	A

Personnel on site:

1	4	5
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex placing General Fill on West side of West slope.

Hardex repairing and maintaining hay bales and Silt fence.

Progress Meeting #50

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis N. DuPont Date 1-14-03

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 1-15-03 Contract Day: + 164 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 55 (PM) 70 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator A	Terex off road dump A	
JD 650 dozer A	Terex off road dump A	
JD 750 dozer A	Terex off road dump	
Smooth drum roller A	JD off road dump A	

Personnel on site:

1 No. of Superintendents 4 No. of Skilled 4 No. of Laborers

Description of Construction Activity Hardex placed General fill in area west of West berm graded, compacted, rolled.

Borrow on site to test General fill placed.

Hardex preparing cell for GSE to repair wrinkles and install liner

List of Subcontractors

Borcam

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 1-15-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 1-16-03 Contract Day: +165 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 55 (PM) 70 Rain: _____ Duration of rain: _____

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

JD330 excavator	A	Terex off road dump	A
JD650 dozer	A	Terex off road dump	A
JD 750 dozer	A	Terex off road dump	broke
Smooth drum roller		JD off road dump	A

Personnel on site:

1	4	4
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex placing general fill on West side of West Berm cutting, grading,

Hardex getting cell ready for GSE to repair wrinkles and place liner on Interior Seperation and North berms.

Peninsula Design on site to survey filter sand and set grade stakes out side cell area.

List of Subcontractors

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 1-16-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 1-17-03 Contract Day: +166 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 60 (PM) _____ Rain: Trace Duration of rain: _____

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	A
JD 650 dozer	A	Terex off road dump	A
JD 750 dozer	A	Terex off road dump	broke
Smoothdrum roller	A	Terex off road dump	A

Personnel on site:

1	A3	A5
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hendex placing General Fill West side of West berm grading rolling compacting

Hendex cleaning Geocomposite - getting ready for GSE to make repairs and to install liner.

Peninsula Design on site to set some grades and to survey filter sand.

List of Subcontractors

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont Date 1-17-03

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 1-16-03 Contract Day: #167 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex offroad dump	A
JD 650 dozer	I	Ford offroad dump	A
JD 750 dozer	A		
Smooth drum roller	A		

Personnel on site:

1	2	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hendex placing grading rolling and compacting General Fill on West side of West berm.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis B. DuPont Date 1-16-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09700020.32

Owner: Hillsborough County Contractor: Hondex

Date: 1-19-03 Contract Day: +168 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity: No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis A. DuPont Date: 1-20-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expension Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 1-20-03 Contract Day: +169 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 55 (PM) 65 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex offroad dump	A		
JD 650 dozer	A	JD offroad dump	A		
JD 750 dozer	A			GSE	
smooth drum roller				Lull - fork	A

Personnel on site:

1 - Hendex 1-GSE	3 Hendex 7-GSE	5 - Hendex
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity GSE on site
Hendex - safety Meeting
Hendex continues to place general fill west of West berm
Hendex continues to prepare areas for GSE to place liner and to repair geo composite.
GSE - filling sand bags will begin by extruding weld primary to secondary at anchor trench

List of Subcontractors
GSE Joe Cell ← #417-417-6879

List of Materials Delivered
CMP for Fieldorder #2

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 1-20-03

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200070.32

Owner: Hillsborough County Contractor: Hardex

Date: 1-21-03 Contract Day: + 170 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 60 (PM) 70 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 Excavator	A	Terex off road dump	A
JD 650 Lazer	A	JD off road dump	A
JD 750 dozer	A		
Smooth drum roller	A		

Personnel on site:

1-Hardex 1-GSE — No. of Superintendents

3-Hardex 2-GSE — No. of Skilled

5-Hardex — No. of Laborers

Description of Construction Activity Hardex Placing general fill, grading rolling compacting — Hardex placing filter sand North side of North berm at anchor Trench

GSE Extruding primary to secondary, placing liner and wedge welding together — extruding Rain Hop to primary liner

Progress Meeting #51

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 1-21-03

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 1-22-03 Contract Day: 71 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 60 (PM) 70 Rain: _____ Duration of rain: _____

Description of weather: partly Cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex offroad dump	I		
JD 650 dozer	A	JD offroad dump	I		
JD 750 dozer	A				
Smooth drum roller	I				

Personnel on site:

1-Hendex 1-GSE — No. of Superintendents

3-Hendex 7-GSE — No. of Skilled

3 — No. of Laborers

Description of Construction Activity Hendex digging out leachate Collection pipes at North berm in order ~~to~~ for GSE to construct boots for liner

GSE constructing boots for leachate collection pipes through North berm - opened seam at wrinkles in geocomposite cutting back geonet and sewing seam back together.

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuBont Date 1-22-03

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200080.32

Owner: Hillsborough County Contractor: Hondex

Date: 1-23-03 Contract Day: + 172 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: part ly cloudy Windy

List of Equipment on site: (A) for active (I) for idle

JD 330 Excavator	I	Terex off road dump	I
JD 650 Dozer	A	JD off road dump	Towed to WMI
JD 750 Dozer	A		
Smooth drum roller	A		

Personnel on site:

1 Hondex 1-GSE	3-Hondex 7-GSE	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hondex grading filter sand in cell at Geocomposite wrinkle repair

GSE placing - seaming liner on North berm

Monthly meeting with SCS, County and WMI

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuPont Date 1-23-03

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 1-24-03 Contract Day: +173 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 40 (PM) 50 Rain: _____ Duration of rain: _____

Description of weather: clear cold

List of Equipment on site: (A) for active (I) for idle

JD 330 Excavator	I	Terex offroad dump	I
JD 650 dozer	A	JD offroad dump	I
JD 750 dozer	A		
Smooth drum roller	A		

Personnel on site:

1-Hardex 1-GSE — No. of Superintendents

3 Hardex 7GSE — No. of Skilled

3 — No. of Laborers

Description of Construction Activity Hardex grading, rolling areas outside of Cell

Hardex cleaning reconditioning drainage ditch (perimeter)

Hardex begin to recondition Retention pond "C"

GSE installing boots around leachate collection pipes going through North berm – GSE extruding North berm panels to primary liner – Air testing seams done by fusion welder

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 1-24-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.82

Owner: Hillsborough County Contractor: Hardex

Date: 1-25-03 Contract Day: +174 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 40 (PM) 65 Rain: _____ Duration of rain: _____

Description of weather: clear cold

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	I	Terex offroad dump	I	WMI	
JD 650 dozer	A	JD offroad dump	I		
JD 750 dozer	A				
Smooth drum roller	I				

Personnel on site:

1-Hardex 1-GSE — No. of Superintendents

2-Hardex 7-GSE — No. of Skilled

3 — No. of Laborers

Description of Construction Activity Hardex continues to recondition retention pond "C"

Hardex continues to clean and recondition perimeter drainage ditch

Hardex cleaning up

GSE placing liner and detailing interior berm

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 1-25-03

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09700070.32

Owner: Hillsborough County Contractor: Hardex

Date: 1-26-03 Contract Day: + 175 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 1-27-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 1-27-03 Contract Day: +176 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 55 (PM) 65 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex offroad dump	A
JD 650 dozer	A	JD offroad dump	A
JD 750 dozer	½ A		
Smooth drum roller	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1-foreman Hardee 1-GSE	7 GSE 2 Hardee	2 - Hardee

Description of Construction Activity: Hardee placing filter sand on North berm - assisting GSE by moving material, lifting pipes for boots. Cleaning up - grading

GSE detailing liner on interim separation berm - constructing boots for leachate collection pipes

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis R. DuPont Date: 1-27-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 1-28-03 Contract Day: 117 Contract Duration: 9

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex offroad dump	A
JD 650 dozer	A	JD offroad dump	A
JD 750 dozer			
Smooth drum roller			

Personnel on site:

1 Former Hardee 1-6SE — No. of Superintendents

2 Hardee 7-6SE — No. of Skilled

2 Hardee — No. of Laborers

Description of Construction Activity: Hardee continues to place filter sand on North berm

Safety meeting - head hats

6SE continues to detail liner and construct boots for leachate collection pipes

Peninsula design on site to survey

Progress Meeting

List of Subcontractors

6SE

Peninsula design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis L. DuPont Date: 1-28-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section F Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 1-29-03 **Contract Day:** +178 **Contract Duration:**

Days Remaining:

Weather

Temperature: (AM) 60 **(PM)** 70 **Rain:** **Duration of rain:**

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex articulated dump	A		
JD 650 dozer	A	JD articulated dump	A		
JD 750 dozer	A				
Smooth drum roller	I				

Personnel on site:

1 Foreman Hardex 1-GSE	2 Hardex 7-GSE	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex continues to place, and grade filter sand on North berm

GSE preparing for rain tarp — some geo composite on site placed at tie in points for North and interior berms

Hardex — placed filter sand and graded at tie in points

West berm covered with rain tarp

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont **Date** 1-29-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 1-30-03 **Contract Day:** +179 **Contract Duration:** _____

Days Remaining: _____

Weather

Temperature: (AM) 65 **(PM)** 75 **Rain:** _____ **Duration of rain:** _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator A	Terex off road dump A	
JD 650 dozer A	JD off road dump A	
JD 750 dozer A		
Smooth drum roller I		

Personnel on site:

1 Forman Handex 1-GSE	2-Handex 7-GSE	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Handex placing material (General fill) West of West berm and in open area for perimeter drainage swale — assisting GSE as needed

GSE placing rain tarp — told - not enough material to complete ~~tarp~~ all berms and slopes.

9 rolls Geocomposite on site - conformance sample taken

List of Subcontractors

GSE

List of Materials Delivered

Geocomposite

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont **Date** 1-30-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 1-31-03 **Contract Day:** +179 (90) **Contract Duration:**

Days Remaining:

Weather

Temperature: (AM) 70 **(PM)** 75 **Rain:** **Duration of rain:**

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Jersey offroad dumps	A
JD 750 dozer	A	JD offroad dumps	A
JD 650 dozer	A		
Smooth drum roller	I		

Personnel on site:

1 Forman Hardex 1-GSE — **No. of Superintendents**

2 Hardex 7 GSE — **No. of Skilled**

7 Hardex — **No. of Laborers**

Description of Construction Activity Hardex placing grading filter sand behind GSE on interior seperation berm

GSE - placing last of geocomposite on interior seperation berm and installing rain tarp on slopes and berms

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 1-31-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09202032

Owner: Hillsborough County Contractor: Hardex

Date: 2-1-03 Contract Day: + 181 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear windy partly cloudy

List of Equipment on site: (A) for active (I) for idle

JD 650 dozer	A	

Personnel on site:

1-GSE	1 Hardex 7-GSE	
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex grading at North berm remove road over North berm — grading West of West berm

GSE finishing rain Tarp.

High winds came up — Tarp blowing in wind — pulled out from under sand bags etc.

No Trench to anchor rain tarp

List of Subcontractors

GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A DuPont Date 2-1-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09700020.32

Owner: Hillsborough County Contractor: Hendry

Date: 2-2-03 Contract Day: +182 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 2-3-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Project number: 09200070.32

Owner: Hillsborough County Contractor: Hardex

Date: 1-3-03 Contract Day: +183 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	JD offroad dump	A
JD 650 dozer	A	Terex offroad dump	A
JD 750 dozer	I		
Smooth drum roller	I		

Personnel on site:

1 1/2 day	2	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex removing silt from retention Basin "C" and hauling to stockpile area Sept. offsite 0900 – 1500

Hardex grading West stormwater diversion swale and area near swale.

Hardex placing more material on rain tarp

List of Subcontractors

—

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 1-3-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hondex

Date: 2-4-03 Contract Day: + 184 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 80 Rain: Trace Duration of rain: _____

Description of weather: partly cloudy to cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex offroad dumps	A
JD 650 dozer	A	JD offroad dump	A
JD 750 dozer	A		
smooth drum roller	A		

Personnel on site:

1 No. of Superintendents 3 No. of Skilled 3 No. of Laborers

Description of Construction Activity Hondex placing filter sand on the rain tarp in cell — General fill on North end of cell - Cleaning perimeter ditch for ~~new~~ preparation of new sod.

Grading and constructing west stormwater diversion berm.

Progress meeting #53

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DeLont Date 2-4-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 2-5-03 **Contract Day:** T 185 **Contract Duration:**

Days Remaining:

Weather

Temperature: (AM) **(PM)** **Rain:** **Duration of rain:**

Description of weather:

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	I	Terex offroad dump	I
JD 650 dozer	A	JD offroad dump	I
JD 750 dozer	I		
Smooth drum roller	I		

Personnel on site:

1	2	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex filling sand bags to be tied to rain tarp seams.

Grading West of West berm and North of North berm.

Safety meeting held this morning

Hardex began anchor ditch for rain tarp — by post. placing tying sand bags to seams of tarp and burying bags along with edge of tarp.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuPont **Date** 2-5-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 2-6-02 Contract Day: +186 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 70 (PM) 80 Rain: — Duration of rain:

Description of weather: clear to partly cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	semi A	Terex offroad dump	I
JD 650 dozer	A	JD offroad dump	I
JD 750 dozer	semi A		
Smooth drum roller	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	3	6

Description of Construction Activity Hendex hand digging anchor trench for rain tarp - Tarp placed in Anchor Trench with sand bags tied on them sand bags and tarp backfilled dozers grading and shaping area West of West berm along with west side perimeter stormwater diversion swale

Hendex preparing south and East slope tops for sod — sod on ditch sides will need to be replaced

4X4 PT posts on site for liner witness posts

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis H. DuPont Date 2-6-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 2-7-03 Contract Day: + 187 Contract Duration: _____

Days Remaining: _____

Weather: light drizzle - not even a trace in gage

Temperature: (AM) 65 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex offroad dump	I
JD 650 dozer	A	JD offroad dump	+ A
JD 750 dozer	A		
Smooth drum roller (removed today)			

Personnel on site:

1 No. of Superintendents 3/2 be operator fired 0900 #5 No. of Laborers

Description of Construction Activity: Hardex placing general fill and reworking East then South top of slopes for preparation of new sod

Hardex shaping and grading North of North berm outside of cell.

Peninsula Design on site for final surveys + light drizzle and they left.

List of Subcontractors

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis D. Dalen Date: 2-7-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 2-6-03 Contract Day: # 166 Contract Duration:

Days Remaining:

Weather

Temperature: (AM) 55 (PM) 60 Rain: Duration of rain:

Description of weather:

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A	Terex off road dump	I
JD 650 dozer	A		
JD 750 dozer	A		
JD off road dump	I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	3

Description of Construction Activity Hendex grading West of West berm

Hendex placing 4X4 posts on liner limits West & North

Clean-up - Hex

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L. DuPont Date 2-6-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 2-9-03 Contract Day: + 189 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: 0.2 Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents No. of Skilled No. of Laborers

Description of Construction Activity No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 2-10-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hedlox

Date: 2-10-03 Contract Day: + 190 Contract Duration: from yesterday 0.2

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) 70 Rain: _____ Duration of rain: _____

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	½	Terex offroad dump	I
JD 650 dozer	A		
JD 750 dozer	A		
JD offroad dump	½ A		

Personnel on site:

1 No. of Superintendents 2 No. of Skilled 3 No. of Laborers

Description of Construction Activity Hedlox continues to grade mater. General Fill material West and North of cell.
Safety Meeting
Hedlox graded South perimeter ditch at risers for leak detection and leachate collection riser pipes
Hedlox placing and preparing area over riser pipes with material for ~~sod~~ sod in flat areas
Short visit to site by ~~Mc~~ Hough McCullough Seed & Sod
DCR site visit

List of Subcontractors
McCullough & DCR visit only

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuBois Date 2-10-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 2-11-03 Contract Day: +190 +191 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A ½	Terex offroad dump	
JD 750 dozer	A ½		
JD 650 dozer	A		
JD offroad dump			

Personnel on site:

1	2	3
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hardex finish grading in preperation for seed and sod North of North berm.

Hardex grading stock pile area in preperation for seed.

Hardex building forms for Concrete collers around risers and cleanout pipes on South side.

Peninsula surveying for as builts on General fill West and North of cell. also send on site berm area

List of Subcontractors

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 2-11-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 2-12-03 Contract Day: +192 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) 70 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD330 excavator	A	Terex offroad dump	
JD650 dozer			
JD 750 dozer			
JD offroad dump			

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	3

Description of Construction Activity Hendex continues to renovated retention basin "C".

Hendex continues clean up around site.

Peninsula Design on site for as built surveys

List of Subcontractors

Peninsula Design

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R DuPont Date 2-12-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 01200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 2-13-03 Contract Day: +193 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) 70 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 Excavator	A	Terex off road dump I (not running properly) removed
JD 650 dozer	A	
JD 750 dozer	A	
JD off road dump	A	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	1

Description of Construction Activity Hardee continues To recondition Retention Basin 'C'

Hardee along with SCS and the County did a preliminary verbal - punch list for project close out

Hardee will continue to grade up stock pile in preparation for seeding

List of Subcontractors

List of Materials Delivered

List of Quantities Installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 2-13-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hardex

Date: 2-14-03 **Contract Day:** +194 **Contract Duration:**

Days Remaining:

Weather

Temperature: (AM) 70 **(PM)** 75 **Rain:** **Duration of rain:**

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 330 excavator	A		
JD 650 dozer	A		
JD 750 dozer	A		
JD offroad dump	A		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	1

Description of Construction Activity Hardex placing filter sand in Retention Basin "C" – grading stock pile and areas West + North of cell for seeding

Knight Corp Const. began Trenching operations for leachate and electrical lines for pump

Mccullough on site to place sod

List of Subcontractors

Knight Corp Const.

Mccullough Seed

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 2-14-03

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LOAD	LEAVE PLANT	ARRIVE JOB SITE	START DISCHARGE	FINISH DISCH.	LEAVE JOB SITE	ARRIVE PLANT
1.08	1.13	1.51	1.57			

PLANT	PLANT DESC	ORDER #	DATE	USE
1144	Plant City R/M - (800) 826-39	822	14-Feb-03	SUPPLY: MASONRY F

CUSTOMER #	CUSTOMER NAME	P.O.	PROJECT #
3052824	KNIGHT CORP CONSTRUCTION INC	PATRICK	

DELIVERY ADDRESS	TRUCK	DRIVER
672 BALM-RINIC RD.	15012556	MILLS, SHELTON

INSTRUCTIONS: SOUTHEAST COUNTY LANDFILL MAP 90 BB-28 THROUGH GATE STAY TO
for Pads & collers for risers & clean oats

SLUMP 4

TICKET # 90160867

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
2.00	2.00	2.00	1155980	3000 REG	cy		
			1202749	ENV. FEE			
			1247817	FUEL SUR			
			1001368	MINIMUM LOAD CHAR			

WAS LOAD TESTED? ☐ YES ☐ NO IF YES, LAB NAME _____

CURB LINE CROSSED AT OWNER'S/AGENT'S REQUEST _____ INITIALS

WATER ADDED: 0 GALLONS _____ INITIALS

SUB TOTAL
TAX
TOTAL
ORDER TOTAL

DRIVER MUST COMPLETE ON ALL RESIDENTIAL DELIVERIES.....WHAT LOT OR LOTS WAS CONCRETE POURED ON?

OF CYD _____ LOT _____ BLOCK _____ SUBDIVISION _____

OF CYD _____ LOT _____ BLOCK _____ SUBDIVISION _____

OF CYD _____ LOT _____ BLOCK _____ SUBDIVISION _____

USED FOR:

DRIVER'S SIGNATURE: ⊗ Shelton Mills

PRINTED: 12:51

⊗ Pat Knight
SIGNATURE OF PURCHASER'S REPRESENTATIVE

PRINT NAME AND TITLE

E SIGNATURE ABOVE SIGNIFIES RECEIPT AND ACCEPTANCE OF THE LISTED MATERIALS AND ACKNOWLEDGEMENT OF AND AGREEMENT TO E TERMS AND CONDITIONS ON THE FACE AND REVERSE SIDE OF THIS TICKET INCLUDING LIMITATIONS OF WARRANTY.

AUTION!! Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with eyes where possible and wash exposed skin areas promptly with water. If any cement mixture gets into eyes rinse immediately and repeatedly with water and get prompt medical treatment. Sawing or grinding of concrete products

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Headex

Date: 2-15-03 Contract Day: + 195 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

JD 320 excavator	A
JD 650 dozer	A
JD 750 dozer	A
JD off road dump	A

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	2	1

Description of Construction Activity: Headex continued to recondition retention basin "C" — prepare stock pile for seed and mulch - clean up site - regrade — prepare drainage ditches

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis L. DuPont Date: 2-15-02

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 2-16-03 Contract Day: +196 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) _____ Rain: 0.7 Late in day-no rain befor 1200 Duration of rain: _____

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

no one from Hardex on site

No. of Superintendents No. of Skilled No. of Laborers

Description of Construction Activity Hardex moved fuel Tank late Saturday afternoon - containment area will need to be checked and soil removed -

Knight Corp Construction on site to Trench and install leachate discharge pipe and conduit across road.

double wall discharge pipe made up Tee leg will need to cut

List of Subcontractors

Knight Corp Construction

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 2-16-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Hendex

Date: 2-17-03 **Contract Day:** +197 **Contract Duration:** _____

Days Remaining: ~~pr~~ _____

Weather

Temperature: (AM) _____ **(PM)** _____ **Rain:** _____ **Duration of rain:** _____

Description of weather: partly cloudy

List of Equipment on site: (A) for active (I) for idle

JD330 excavator — removed	water truck delivered	
JD650 dozer A		
JD750 dozer — removed		
JD offroad dump — removed		

Personnel on site:

1	1	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hendex hand dug break in signal conduit and located area to splice conduit to pull new wire from one pond to other pond — break in wire and conduit occurred when trenching

McCullough grass on site placing sod in perimeter ditch ~~West~~ East side.

Hendex grading stock pile in preparation for seed.

List of Subcontractors

McCullough Grass

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 2-17-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09202032

Owner: Hillsborough County Contractor: Handex

Date: 2-12-03 Contract Day: +198 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) 75 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 650 dozer A		
Water Truck A		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	1	2

Description of Construction Activity Handex watered sod being placed grading Stockpile for seeding

Knight Corp. Const. on site short time to fill in trench

McCullough on site to place sod.

held progress meeting 5

List of Subcontractors

Knight Corp. Const.

McCullough Excess

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 2-12-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Headex

Date: 2-19-03 Contract Day: +199 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 80 Rain: _____ Duration of rain: _____

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 650 dozer	A	
water truck	A	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1	1	2

Description of Construction Activity Headex grading some little areas for drainage.

Headex watering sod.

McCullough on site placing sod in perimeter ditch

Bennett Seed on site with equip. and to measure area to be seeded & mulched.

List of Subcontractors

McCullough Grass

Bennett Seed

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 2-19-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 2-20-03 Contract Day: 1200 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 65 (PM) 80 Rain: _____ Duration of rain: _____

Description of weather: partly cloudy

List of Equipment on site: (A) for active (I) for idle

JD 650 dozer	A	
Water Truck	A	

Personnel on site:

1 No. of Superintendents 1 No. of Skilled 2 No. of Laborers

Description of Construction Activity Hardex pushed containment berm for fuel tank in to pile flagged off area about 25' X 15' should have 10 Dreager Tubes for testing material on site temporary

Hardex clean-up — water sod —

McCullough on site for Sod

Bennett on site preparation for seed

Meeting - County, WMI, SCS monthly

List of Subcontractors

McCullough grass

Bennett seed

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 2-20-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 2-21-03 Contract Day: #201 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

JD 650 dozer	#1	
Water Truck	#1	

Personnel on site:

1 Today	1	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity ISCO on site to weld Northwest clean out extention and 3" double wall ~~dis~~ pump discharge — Hendex helping.

Bennett on site for seed & mulch

McCullough on site to install sod.

List of Subcontractors

Isco, Bennett & McCullough

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont Date 2-21-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 2-22-03 Contract Day: +202 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 60 (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: cloudy

List of Equipment on site: (A) for active (I) for idle

JD 650 dozer	I	
Water Truck	½ A	

Personnel on site:

1	½	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity: Hendex watered sod - placed yesterday

Hendex placing silt fence and hay bales in ditches. Mirafi textile placed in entrance to retention Basin "C" to stabilize soil before riprap — sod installed

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis D. DuPont Date: 2-22-03

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendrix

Date: 2-23-03 Contract Day: 1203 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: 0.7 in from Saturday Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
X	X	X

Description of Construction Activity No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. Dufort Date 2-24-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09700020.32

Owner: Hillsborough County **Contractor:** Hendex

Date: 2-24-03 **Contract Day:** +204 **Contract Duration:**

Days Remaining:

Weather

Temperature: (AM) 60 **(PM)** 80 **Rain:** **Duration of rain:**

Description of weather: clear

List of Equipment on site: (A) for active (I) for idle

JD 650 dozer I		
Water Truck A		

Personnel on site:

1	0	2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Hendex dug hole for meter box near sump area rizers — Water grass — grout culverts near retention basin "C".
held safety meeting

McCullough on site to place sod

Bennett on site for seed & Mulch — Too wet slippery on stock pile will be back Tomorrow.

List of Subcontractors

McCullough

Bennett

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. DuPont **Date** 2-24-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardee

Date: 2-25-03 Contract Day: +205 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 80 Rain: _____ Duration of rain: _____

Description of weather: partly cloudy

List of Equipment on site: (A) for active (I) for idle

JD 650 Dozer	A	
Water Truck	A	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		1

Description of Construction Activity Hardee watering ~~grass~~ sod.

McCullough placing sod

Bennett seed & mulch

Progress Meeting # 56

Soil sampled at fuel tank storage - no odor from soil - no discoloration - soil was tested to verify by using Dreager Tubes - results 0 reading

List of Subcontractors

McCullough

Bennett

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont Date 2-25-03

(see reverse side for documentation of quantities) . Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Headex

Date: 2-26-03 Contract Day: +206 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 70 (PM) 80 Rain: _____ Duration of rain: _____

Description of weather: clear - To partly cloudy

List of Equipment on site: (A) for active (I) for idle

JD 650 dozer	D/A		
Water Truck	A		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		2

Description of Construction Activity: Headex watering seed and sod

McCullough placing sod North side of Cell

List of Subcontractors

McCullough

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis A. DuPont Date: 2-26-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 2-27-03 Contract Day: +207 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck	A	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		2

Description of Construction Activity ~~At~~ Hardex watering seed + Sod

Hardex gathering material for pumping to cell for leak test

III

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 2-27-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion

Project number: 09200020.32

Owner: Hillsborough County

Contractor: Hendex

Date: 2-28-03 Contract Day: +208 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck		

Personnel on site:

No. of Superintendents _____ No. of Skilled _____ No. of Laborers _____

Description of Construction Activity SCS not on site — Hendex worked on getting ball valve ready for leak liner Test — grouted seams in RCP near Trailers — Attempted to locate material for Liner Leak Test.

List of Subcontractors

_____

List of Materials Delivered

_____

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis N. DuPont Date 3-4-03

(see reverse side for documentation of quantities) Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendry

Date: 3-1-03 Contract Day: + 209 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity: No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis M. DuPont Date: 3-4-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hardex

Date: 3-2-03 Contract Day: +210 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont Date 3-4-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hankex

Date: 3-3-03 Contract Day: +211 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		2

Description of Construction Activity: Watered seed & Sod

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis R. DuPont Date: 3-4-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Headex

Date: 3-4-03 Contract Day: +212 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 75 (PM) 80 Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck	I	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		2

Description of Construction Activity Headex installing pumping system
To conduct liner leak test
Safety Meeting
McCullough on site placing sod
DCR on site installing panels for power, fence control and telemetry
Progress Meeting #57

List of Subcontractors
McCullough
DCR

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. Dufort Date 3-4-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200070.32

Owner: Hillsborough County Contractor: Hardee

Date: 3-5-03 Contract Day: +213 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 75 (PM) 80 Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

water Truck		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		2

Description of Construction Activity Hardee preparing equipment and materials for liner leak test.

McCullough - placing sod west of west berm

DCR on site preparing pump controls and telemetry

List of Subcontractors

McCullough

DCR

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A DuPont Date 3-5-04

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Hendex

Date: 3-6-03 Contract Day: + 214 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 80 Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water truck I		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		2

Description of Construction Activity: Hendex gone most all of morning - Installed 2 staff gages - west side and East side of Cell. McCullough placing sod. Hendex started pump @ 1613 till about 1930? pumping into West side

List of Subcontractors

McCullough

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis G. DuPont Date: 3-6-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion Project number: 09200020.32

Owner: Hillsborough County Contractor: Handex

Date: 3-7-03 Contract Day: +215 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Water Truck A		

Personnel on site:

1		2
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Handex - replacing some discharge hose then start pumping - ~~continuing~~ continuing with liner test. Wheelev. 128.42 - pumped 62 gal from detection. Watering seed and sod.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont Date 3-7-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expansion **Project number:** 09200020.32

Owner: Hillsborough County **Contractor:** Handex

Date: 3-6-03 **Contract Day:** + 216 **Contract Duration:**

Days Remaining:

Weather

Temperature: (AM) **(PM)** **Rain:** Trace of rain last night **Duration of rain:**

Description of weather:

List of Equipment on site: (A) for active (I) for idle

Water truck	A	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		2

Description of Construction Activity Handex watering seed & Sod.
replacing or filling in sod.
no pumping till Area v.s. water pumped resolved.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont **Date** 3-6-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-9-03 (SUN) **Contract Day:** _____ **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____
Description of weather: clear

List of Active Equipment on site

PUMPING WATER	INTO CELL	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

FILL WEST SIDE OF CELL AND CHECK QUANTITY OF WATER IN LEAK DETECTION SYSTEM

STAFF GAUGE 1.22 FLOW 2267852
127.90 2268525
129.12 673gal

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative S. van Dijk **Date** 3-10-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-10-03 **Contract Day:** _____ **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____
Description of weather: clear

List of Active Equipment on site

PUMPING WATER	INTO CELL	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

FILL WEST SIDE OF CELL AND CHECK QUANTITY OF WATER IN LEAK DETECTION SYSTEM

STAFF GAUGE 1.21 2268525
127.90 2269195
129.11 ▽ = 670 gal PUMPED

6 HRS LATER:

2269195
2269358
190 gal PUMPED

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative S. VanDyke **Date** 3-10-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-11-03 **Contract Day:** _____ **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____
Description of weather: clear

List of Active Equipment on site

PUMPING WATER INTO CELL		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

FILL WEST SIDE OF CELL AND CHECK QUANTITY OF WATER IN LEAK DETECTION SYSTEM

S.G. 1.20 2269385
127.90 2269825
129.10 440 gal PUMPED

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative S. van Dijk **Date** 3-11-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-12-03 **Contract Day:** _____ **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____
Description of weather: clear

List of Active Equipment on site

PUMPING WATER	INTO CELL	

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

FILL WEST SIDE OF CELL AND CHECK QUANTITY OF WATER IN LEAK DETECTION SYSTEM

S.G. 1.16
127.90
129.06 ∇

2269825
2270333
508 gal PUMPED

SET UP TO BEGIN PUMPING WATER INTO EAST SIDE OF CELL

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative S. Ivan Dijk **Date** 3-12-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number**: 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-13-03 **Contract Day:** _____ **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CLOSED VALVES BEGIN PUMPING WATER INTO EAST SIDE OF CELL

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative E. van Dijk **Date** 3-13-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-17-03 **Contract Day:** _____ **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

BEGIN PUMPING WATER INTO LEACHATE DETECTION SYSTEM IN PREPARATION FOR LEAK DETECTION TESTING BY ICORP, INC. TEMPS WATERING THE SOD.

List of Subcontractors

~~ICORP, INC.~~ TEMPS
DCR

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative S. van Dijk **Date** 3-17-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-18-03 **Contract Day:** _____ **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

SET UP AND BEGIN LEAK TESTING OF GEOMEMBRANE LINER. ICORP, INC ON SITE

List of Subcontractors

ICORP, INC	TEMPS	
DCR		

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Evan Dilg **Date** 3-18-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-19-03 **Contract Day:** _____ **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

CONTINUE TESTING OF GEOMEMBRANE LINER BY ICORP, INC

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative E. van Dijk **Date** 3-19-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section E Capacity Expansion Project number: 09700020.32

Owner: Hillsborough County Contractor: Handex

Date: 3-24-03 Contract Day: +232 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) _____ (PM) _____ Rain: 0.91" Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		2

Description of Construction Activity: Handex dewatering leak detection system.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative: Dennis J. DuPont Date: 3-24-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section I Capacity Expension Project number: 09200020.32

Owner: Hillsborough County Contractor: Harder

Date: 3-25-03 Contract Day: +233 Contract Duration: _____

Days Remaining: _____

Weather

Temperature: (AM) 80 (PM) 80 Rain: _____ Duration of rain: _____

Description of weather: _____

List of Equipment on site: (A) for active (I) for idle

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		2

Description of Construction Activity: Harder dewatering Cell — having problems with pump

Progress meeting #59

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis L Dubant Date 3-25-03

(see reverse side for documentation of quantities). Copy Field Project Files, Office Files

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-26-03 **Contract Day:** +234 **Contract Duration:** _____

Weather
Temperature: (AM) 80 (PM) 80 Rain: _____ Duration of rain: _____
Description of weather: clear to partly cloudy

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex dewatering Cell –

In afternoon – Handex uncovered area on East side northern most point number 4 – I-CORP was uncertain if this was a leak or not water was still between liners and acted like a water bed even with 4 men walking in area no water showed up – photos and ~~video~~ video was taken. GSE, Handex and myself tried to conference-call Dr. Peggs of I-CORP for consultation.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 3-26-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-27-03 **Contract Day:** + 235 **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM) _____ Rain: Trace at 1430 Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity Handex attempting to pump water out of well – ~~what~~ went for fuel

GSE on site – next area too wet

Pump back running about 1800 hrs

List of Subcontractors
GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 3-27-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-28-03 **Contract Day:** + 236 **Contract Duration:** _____

Weather 0.2 in. from yesterday + last night
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex dewatering Cell

Handex removed filter sand from location #3 - still had water standing in area Dave felt around under water located what seemed to be equipment damage to geocomposite upon further investigation the primary textured liner had been split open also and could feel under it. Handex plans to continue removing water in cell in order to facilitate repairs.

List of Subcontractors
GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis N. DuPont **Date** 3-28-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-29-03 **Contract Day:** +237 **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis D. Durbin **Date** 3-31-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-30-03 **Contract Day:** +239 **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity

Dave from Handex attempted to pump lots Sunday Afternoon without much success due to "discharge pipe blowout. Turned on Hillsborough County 1" pump may be with out priming — no water being discharged on Monday morning

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 3-31-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 3-31-03 **Contract Day:** +239 **Contract Duration:**

Weather
Temperature: (AM) 48 (PM) Rain: Duration of rain:
Description of weather: clear, cold, windy

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex did not pump much water over weekend - pump on Today

Laborers hand cleaning area of leak #3 - removed rock at collection system that had sand/rock mix.

Once area for repair was dried up - repairs made by removing liner with cuts - ~~geo composite under~~ geo textile under liner over rock - OK - no cuts - the geo textile was the ~~set up~~ cap for the rock of the leak detection pipe - patch was V boxed - OK

List of Subcontractors
GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 3-31-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-1-03 **Contract Day:** + 240 **Contract Duration:** _____

Weather
Temperature: (AM) 65 (PM) 75 Rain: _____ Duration of rain: _____
Description of weather: clear - windy

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex - continues to dewater cell

Handex assisted GSE to install Geo composite on leak repair #3

Handex replaced rock which was removed that had sand. geotextile was placed over rock area with more than a 2' overlap, then the entire area covered with geo composite before filter sand was placed by hand, tarp reinstalled and anchored down.

List of Subcontractors
GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont **Date** 4-1-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-2-03 **Contract Day:** T241 **Contract Duration:**

Weather
Temperature: (AM) 65 (PM) 75 Rain: Duration of rain:
Description of weather: clear

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex continues to expose areas marked by I-CORP for possible leak location. GSE on site to V-box liner and make any repairs necessary Area #2 when dug up - found alum. soda can about 6" down and 6" above Geocomposite. opened an area with a 3' radius around point - (which was flagged by I-CORP) V-boxed liner no leak.

Area #1 was exposed with about a 5' radius no visable damage V-boxed - no leak - Handex insisted there is a leak there - continued to expose more area. will check with V box Tommorow.

List of Subcontractors
GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont **Date** 4-2-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-3-03 **Contract Day:** +242 **Contract Duration:** _____

Weather
Temperature: (AM) 70 (PM) 85 Rain: _____ Duration of rain: _____
Description of weather: clear

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex continues to look for leak at I-CORP location #1 — no visable indication — Geo Composite had been pulled back to expose liner areas beyond the 5ft. radius of I-Corp's location point. Still some water in detection system to make like a water bed - walking around did not produce any leakage visable on liner surface - conclusion no leak in liner which has been exposed. GSE has been on site entire time any uncovering was taking place — GSE only one to cut Geo composite over liner.

Handex has I-CORP returning tomorrow to test area around Sump.

List of Subcontractors
GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. Dufort **Date** 4-3-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-4-03 **Contract Day:** +243 **Contract Duration:** _____

Weather
Temperature: (AM) 85 (PM)_____ Rain:_____ Duration of rain: _____
Description of weather: clear

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex assisted I-CORP - prepare for liner testing. 2 leaks indicated - one on extruded weld at Tee Patch at NW corner of sump - no water can be seen passing out from between liners; other leak indicated a small hole less than ¼" perhaps less than ⅛" in the extruded well of a patch at liner intersection, location N.E. corner of Primary panel 178 near Toe of slope. 1st area extruded and V.boxed - OK; second area extruded and a 12" patch placed and extruded, V-boxed OK. These Two minor areas are in the general vicinity of leak location #1.

List of Subcontractors
IAN Peggs from I-CORP
GSE

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis A. DuPont **Date** 4-4-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-5-03 **Contract Day:** 244 **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex finish closing up areas of repair – cleaned up site

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 4-7-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-6-03 **Contract Day:** +245 **Contract Duration:**_____

Weather
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont **Date** 4-7-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-7-03 **Contract Day:** +246 **Contract Duration:** _____

Weather 0, 3 early morning
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex offsite getting supplies and/or materials

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis M. DuPont **Date** 4-7-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-8-03 **Contract Day:** +247 **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex assembling flow meter valves - getting ready for ISCO to hook-up
Progress Meeting #61
Handex left site after meeting

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. Dunbar **Date** 4-8-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number**: 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-9-03 **Contract Day:** +248 **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity No Activity

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R DuPont **Date** 4-9-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-10-03 **Contract Day:** +249 **Contract Duration:**

Weather
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather: windy - cloudy

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity ettander clean up site - maintaining rain tarp - high winds

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 4-10-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-11-03 **Contract Day:** #250 **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Personnel on site:

1		
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex on site short time.
DCR on site working on pump control/telemetry
no other activity

List of Subcontractors
DCR

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 4-11-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-18-03 **Contract Day:** _____ **Contract Duration:** _____

Weather
Temperature: (AM) 85 (PM) 85 Rain: _____ Duration of rain: _____
Description of weather: partly cloudy

List of Active Equipment on site

Personnel on site:

1		2
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex prepared pipe for Hydrostatic Test – bleed lines pressure up
1530 start 30 PSI start
ISCO on site to install pump Mark
1545 30 PSI
1600 30 PSI
1615 30 PSI
1630 30 PSI Test Indicates
1645 30 PSI end Test – Pipe Tight
When hole was cut into County force main plug from end of stub was sucked into pipe and into county sump at pump station
Leak Detect meter 2348376

List of Subcontractors
ISCO

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont **Date** 4-18-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 4-29-03 **Contract Day:** +268 **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM)_____ Rain:_____ Duration of rain: _____
Description of weather:

List of Active Equipment on site

Front Loader		
D3 Cat dozer		
offroad dump		
offroad dump		

Personnel on site:

1		
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Handex supervising Knight Corp Const. doing installation of tire chips,

Progress meeting #62

Ramp seems to pose no problem for trucks to go up or down haul roads to cell from tire chip stock piles fairly clean placement and unloading of chips do not create any dust very clean – Handex pumping water down in cell – slow

List of Subcontractors
Knight Corp Construction

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 4-29-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 5-6-03 **Contract Day:** +275 **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM) _____ Rain: _____ Duration of rain: _____
Description of weather: clear to partly cloudy

List of Active Equipment on site

~~One~~ offroad dump Truck		
cat D3 dozer		
Front loader		

Personnel on site:

No. of Superintendents	No. of Skilled	No. of Laborers
1		

Description of Construction Activity Handex monitoring Tire chip placement by Knight Corp Construction. Pumping water out of leachate collection system.

TECO on site To hook up power to leachate pump and control systems.

Progress Meeting # 63

List of Subcontractors
Knight Corp Construction

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis G. DuPont **Date** 5-6-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 5-14-03 **Contract Day:** + 283 **Contract Duration:** _____

Weather
Temperature: (AM) _____ (PM) 85 Rain: Trace Duration of rain: _____
Description of weather:

List of Active Equipment on site

2 - offroad dumps		
Front loader		
Cat D3 wide Trackdozer		

Personnel on site:

1		
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity Progress Meeting #64

~~Went~~ Go over draft punch list ~~for~~ items with Handex, The County and SCS.

Knight Corp Construction just about finished with Tire chip placement. PCR just about complete with pump controls & telemetry

List of Subcontractors
Knight Corp Construction - 4 men including Pat Knight

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative Dennis R. DuPont **Date** 5-14-03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 5/23/03 **Contract Day:** +292 **Contract Duration:**

Weather
Temperature: (AM) upper 70's (PM) Rain: 1/2" Duration of rain: 1 hr.
Description of weather:

List of Active Equipment on site

1- Front loader		
1. Pickup truck		

Personnel on site:

2		1
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity
Pulled pump from pump station: measured to bottom of sump to ensure the pump reached the bottom. Length was fine. Tested transducer accuracy, reading was within 1-inch of actual which is within the acceptable margin of error (i.e. 3-inches).
The pump was re-installed & re-started - functioning adequately - Regraded 50LF of the southern perimeter ditch and Handex will re-sod next week.

List of Subcontractors
Knight Corp. Const. - Pat Knight present

List of Materials Delivered
NONE

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
NONE		

Field Representative Larry E. Fi **Date** 5/23/03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 7/25/03 **Contract Day:** _____ **Contract Duration:** _____

Weather
Temperature: (AM) N/A (PM) high 70's Rain: 0 Duration of rain: _____
Description of weather:

List of Active Equipment on site

NONE		

Personnel on site:

Carl Asprino	0	0
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity
Substantial completion inspection, present: Carl Asprino, Matt Matthews & Larry Ruiz.
Items needing work are:
1. Record drawings. 2. Progress Photos. 3. Pump station bollards. 4. Mowing Sodded areas. 5. Damaged Basin B need to be calibrated. 6. Re-grade south ditch (not flowing). 7. Repair damaged areas of roadway.

List of Subcontractors
NONE

List of Materials Delivered
NONE

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
NONE		

Field Representative Larry E. Ruiz **Date** 7/25/03

SCS ENGINEERS DAILY FIELD REPORT

Project: Section 1 Capacity Expansion **Project number:** 09200020.33

Owner: Hillsborough County **Contractor:** Handex

Date: 10/15/03 **Contract Day:** — **Contract Duration:** —

Weather
Temperature: (AM) N/A (PM) high 80's Rain: clear Duration of rain: —
Description of weather:

List of Active Equipment on site

NONE		

Personnel on site:

Carl Asprinio	0	0
No. of Superintendents	**No. of Skilled**	**No. of Laborers**

Description of Construction Activity
Final inspection, present: Carl Asprinio, Chuck Knotts, Larry Ruiz.
Site in good condition, items previously identified needing work were corrected.

List of Subcontractors
NONE

List of Materials Delivered
NONE

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
NONE		

Field Representative Larry E. Ruiz **Date** 10/15/03

ATTACHMENT D

RECORD DRAWINGS

ATTACHMENT E

MANUFACTURER
GEOSYNTHETIC QUALITY CONTROL TEST REPORTS

Serrot International, Inc.

01/10/2002

Resin Certificate of Analysis

Customer: Handex of Florida, Inc.
Project Name: Hillsborough County Landfill
Project Number: 10448

Resin Type: HDPE
Bill of Lading: 153103

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International. Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218.
The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4447	0.221	0.952	

Jane Allen
Quality Control Manager

1-10-02
Date

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Serrot International, Inc.

01/10/2002

Tex-Net™ Certificate of Analysis

Customer: Handex of Florida, Inc.

Number of Rolls Shipped: 18

Project Name: Hillsborough County Landfill

Product Code: SH3NTD1451128P

Project Number: 10448

Bill of Lading: 153103

I certify, the Tex-Net™ for the above identified shipment was manufactured using first quality Poly-Net™ geonet and a non-woven geotextile. The Poly-Net™ meets all of Serrot International, Inc.'s specifications for geonet. The geotextile has been certified by the manufacturer to meet all of their specifications for non-woven geotextiles.

TEX-NET

Thickness was measured according to ASTM D 5199, SII modified. Ply adhesion strength was measured according to ASTM D 413 (F 904), SII modified. Percent adhesion was determined by visual inspection. Mass per unit area was determined according to ASTM D 5261. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure.

OLY-NET

Thickness was measured according to ASTM D 5199. Tensiles were determined according to ASTM D 5035, SII modified. Mass per unit area was determined according to ASTM D 5261. Carbon black content was determined according to ASTM D 4218. Density was determined according to ASTM D 1505. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure. The standard transmissivity testing parameters for Poly-Net™ are: PN2000 - 2,000 psf/1.0 gradient, PN3000 - 15,000 psf/1.0 gradient, PN3000CN - 4,000 psf/1.0 gradient, and PN 5000 - 15,000 psf/1.0 gradient.

Jane Allen

Quality Control Manager

1-10-02

Date

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Serrot International, Inc.

01/10/2002

Tex-Net™ Testing Results

Bill of Lading: 153103

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10-³)
4043428-4447	231267816	231267711	5.6	5.7	94	94	0.3161	0.3070	0.2076	69.6	0.1686	2.55	0.958	0.247
4043429-4447	231267816	231267711	5.6	5.7	94	94	0.3161	0.3070	0.2076	69.6	0.1686	2.55	0.958	0.247
4043430-4447	231267816	231267711	5.6	5.7	94	94	0.3161	0.3070	0.2076	71.3	0.1686	2.62	0.962	0.247
4043445-4447	251163319	251163340	4.9	5.1	94	94	0.3235	0.3108	0.2073	66.3	0.1685	2.48	0.961	0.247
4043446-4447	251163319	251163340	4.9	5.1	94	94	0.3235	0.3108	0.2078	70.9	0.1735	2.48	0.964	0.247
4043450-4447	231267785	231267754	5.4	5.1	94	94	0.3303	0.3097	0.2078	67.6	0.1735	2.46	0.964	0.247
4043451-4447	231267751	231267808	5.4	5.1	94	94	0.3303	0.3097	0.2078	67.6	0.1735	2.46	0.964	0.247
4043452-4447	231267751	231267808	5.4	5.1	94	94	0.3303	0.3097	0.2078	67.6	0.1735	2.46	0.964	0.247
4043453-4447	231267751	231267808	5.4	5.1	94	94	0.3303	0.3097	0.2078	67.6	0.1735	2.46	0.964	0.247
4043454-4447	231267751	231267808	5.4	5.1	94	94	0.3303	0.3097	0.2086	67.6	0.1737	2.46	0.964	0.247
4043455-4447	231267750	231267715	5.4	5.1	94	94	0.3303	0.3097	0.2086	66.0	0.1704	2.46	0.964	0.247
4043456-4447	231267750	231267715	5.4	5.1	94	94	0.3303	0.3097	0.2086	66.0	0.1704	2.46	0.964	0.247
4043457-4447	231267750	231267715	6.4	5.7	94	94	0.3303	0.3097	0.2086	66.0	0.1704	2.46	0.964	0.247
4043458-4447	231267750	231267715	5.6	5.6	94	94	0.3263	0.3093	0.2086	66.0	0.1704	2.46	0.964	0.247
4043465-4447	231267703	231267792	5.6	5.6	94	94	0.3263	0.3093	0.2087	66.0	0.1690	2.46	0.963	0.247
4043466-4447	231267787	31267789	5.5	5.6	94	94	0.3263	0.3077	0.2087	66.0	0.1690	2.46	0.963	0.247
4043467-4447	231267787	231267789	5.5	5.6	94	94	0.3263	0.3077	0.2087	66.0	0.1690	2.46	0.963	0.247
4043468-4447	231267787	231267789	5.5	5.6	94	94	0.3263	0.3077	0.2087	66.0	0.1690	2.46	0.963	0.247

4044 3446 #4
TRI result 8.5x10-5 x
TRI retested 2.8 x 10-4 OK

Jane Allen
Quality Control Manager

1-10-02
Date

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Serrot International, Inc.

01/10/2002

Resin Certificate of Analysis

Customer: Handex of Florida, Inc.
Project Name: Hillsborough County Landfill
Project Number: 10448

Resin Type: HDPE
Bill of Lading: 153098

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International. Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218.
The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4447	0.221	0.952	

Jane Allen
Quality Control Manager

1-10-02
Date

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:rrot International, Inc.

01/10/2002

Tex-Net™ Certificate of Analysis

Customer: Handex of Florida, Inc.

Project Name: Hillsborough County Landfill

Project Number: 10448

Number of Rolls Shipped: 18

Product Code: SH3NTD1451128P

Bill of Lading: 153098

I certify, the Tex-Net™ for the above identified shipment was manufactured using first quality Poly-Net™ geonet and a non-woven geotextile. The Poly-Net™ meets all of Serrot International, Inc.'s specifications for geonet. The geotextile has been certified by the manufacturer to meet all of their specifications for non-woven geotextiles.

TEX-NET

Thickness was measured according to ASTM D 5199, SII modified. Ply adhesion strength was measured according to ASTM D 413 (F 904), SII modified. Percent adhesion was determined by visual inspection. Mass per unit area was determined according to ASTM D 5261. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure.

POLY-NET

Thickness was measured according to ASTM D 5199. Tensiles were determined according to ASTM D 5035, SII modified. Mass per unit area was determined according to ASTM D 5261. Carbon black content was determined according to ASTM D 4218. Density was determined according to ASTM D 1505. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure. The standard transmissivity testing parameters for Poly-Net™ are: PN2000 - 2,000 psf/1.0 gradient, PN3000 - 15,000 psf/1.0 gradient, PN3000CN - 4,000 psf/1.0 gradient, and PN 5000 - 15,000 psf/1.0 gradient.

Jane Allen
Quality Control Manager

1-10-02
Date

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Serrot International, Inc.

01/10/2002

Tex-Net™ Testing Results

Bill of Lading: 153098

Roll Number	GeoTextile Numbers Top	GeoTextile Numbers Bottom	Ply Adhesion (ppi) Top	Ply Adhesion (ppi) Bot.	Percent Adhesion Top	Percent Adhesion Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043417-4447	231267780	231267720	5.6	5.8	95	95	0.3290	0.3122	0.2078	61.8	0.1650	2.37	0.957	0.223
4043418-4447	231267694	231267720	5.6	5.7	94	94	0.3290	0.3070	0.2078	61.8	0.1650	2.37	0.957	0.223
4043419-4447	231267694	231267720	5.6	5.7	94	94	0.3290	0.3070	0.2078	61.8	0.1650	2.37	0.957	0.223
4043420-4447	231267694	231267739	5.6	5.7	94	94	0.3290	0.3070	0.2078	61.8	0.1650	2.37	0.957	0.223
4043421-4447	231267694	231267739	5.6	5.7	94	94	0.3290	0.3070	0.2078	61.8	0.1650	2.37	0.957	0.223
4043422-4447	231267780	231267739	5.6	5.7	94	94	0.3290	0.3070	0.2078	69.6	0.1695	2.55	0.958	0.223
4043423-4447	231267780	231267739	5.6	5.7	94	94	0.3290	0.3070	0.2076	69.6	0.1686	2.55	0.958	0.223
4043424-4447	231267812	231267764	5.6	5.7	94	94	0.3290	0.3070	0.2076	69.6	0.1686	2.55	0.958	0.223
4043425-4447	231267812	231267764	5.6	5.7	94	94	0.3339	0.3070	0.2076	69.6	0.1686	2.55	0.958	0.247
4043426-4447	231267812	231267764	5.6	5.7	94	94	0.3161	0.3070	0.2076	69.6	0.1686	2.55	0.958	0.247
4043427-4447	231267816	231267711	5.6	5.7	94	94	0.3161	0.3070	0.2076	69.6	0.1686	2.55	0.958	0.247
4043432-4447	231267772	231267783	5.6	5.7	94	94	0.3161	0.3070	0.2073	66.3	0.1685	2.56	0.961	0.247
4043433-4447	231267772	231267783	6.7	6.4	94	94	0.3161	0.3097	0.2073	66.3	0.1685	2.56	0.961	0.247
4043434-4447	231267772	231267783	4.9	5.6	94	94	0.3161	0.3097	0.2073	66.3	0.1685	2.56	0.961	0.247
4043435-4447	231267769	241316499	4.9	5.6	94	94	0.3161	0.3097	0.2073	66.3	0.1685	2.56	0.961	0.247
4043436-4447	231267769	241316499	4.9	5.6	94	94	0.3161	0.3097	0.2073	66.3	0.1685	2.56	0.961	0.247
4043437-4447	231267769	241316499	4.9	5.6	94	94	0.3161	0.3097	0.2073	66.3	0.1685	2.56	0.961	0.247
4043438-4447	231267769	241316499	4.9	5.6	94	94	0.3161	0.3097	0.2073	66.3	0.1685	2.56	0.961	0.247

5

Jane Allen
Quality Control Manager

1-10-02
Date

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Serrot International, Inc.

01/11/2002

Tex-Net™ Certificate of Analysis

Customer: Handex of Florida, Inc.

Number of Rolls Shipped: 18

Project Name: Hillsborough County Landfill

Product Code: SH3NTD1451128P

Project Number: 10448

Bill of Lading: 153117

I certify, the Tex-Net™ for the above identified shipment was manufactured using first quality Poly-Net™ geonet and a non-woven geotextile. The Poly-Net™ meets all of Serrot International, Inc.'s specifications for geonet. The geotextile has been certified by the manufacturer to meet all of their specifications for non-woven geotextiles.

TEX-NET

Thickness was measured according to ASTM D 5199, SII modified. Ply adhesion strength was measured according to ASTM D 413 (F 904), SII modified. Percent adhesion was determined by visual inspection. Mass per unit area was determined according to ASTM D 5261. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure.

POLY-NET

Thickness was measured according to ASTM D 5199. Tensiles were determined according to ASTM D 5035, SII modified. Mass-per-unit-area was determined according to ASTM D 5261. Carbon black content was determined according to ASTM D 4218. Density was determined according to ASTM D 1505. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure. The standard transmissivity testing parameters for Poly-Net™ are: PN2000 - 2,000 psf/1.0 gradient, PN3000 - 15,000 psf/1.0 gradient, PN3000CN - 4,000 psf/1.0 gradient, and PN 5000 - 15,000 psf/1.0 gradient.

Jane Allen
Quality Control Manager

1-11-02
Date

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'ot International, Inc.

01/11/2002

Resin Certificate of Analysis

Customer: Handex of Florida, Inc.

Resin Type: HDPE

Project Name: Hillsborough County Landfill

Bills of Lading: 153117

Project Number: 10448

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218. The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4447			

Jane Allen
Quality Control Manager

1-11-02
Date

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Serrot International, Inc.

01/11/2002

Tex-Net™ Testing Results

Bill of Lading: 153117

Roll Number	GeoTextile Numbers Top	GeoTextile Numbers Bottom	Ply Adhesion (ppi) Top	Ply Adhesion (ppi) Bot.	Percent Adhesion Top	Percent Adhesion Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043440-4447	231267776	231267690	4.9	5.6	94	94	0.3161	0.3097	0.2073	66.3	0.1685	2.48	0.961	0.247
4043441-4447	231267776	231267690	4.9	5.6	94	94	0.3235	0.3111	0.2073	66.3	0.1685	2.48	0.961	0.247
4043442-4447	231267776	231267690	4.9	5.1	94	94	0.3235	0.3108	0.2073	66.3	0.1685	2.48	0.961	0.247
4043443-4447	251163319	251163340	4.9	5.1	94	94	0.3235	0.3108	0.2073	66.3	0.1685	2.48	0.961	0.247
4043444-4447	251163319	251163340	4.9	5.1	94	94	0.3235	0.3108	0.2073	66.3	0.1685	2.48	0.961	0.247
4043448-4447	231267785	231267754	4.9	5.1	94	94	0.3235	0.3108	0.2078	67.6	0.1735	2.46	0.964	0.247
4043449-4447	231267785	231267754	5.4	5.1	94	94	0.3339	0.3108	0.2078	67.6	0.1735	2.46	0.964	0.247
4043459-4447	231267805	251163399	5.6	5.6	94	94	0.3263	0.3093	0.2086	66.0	0.1704	2.46	0.964	0.247
4043460-4447	231267805	251163399	5.6	5.6	94	94	0.3263	0.3093	0.2086	66.0	0.1704	2.46	0.964	0.247
4043461-4447	231267805	251163399	5.6	5.6	94	94	0.3263	0.3093	0.2086	66.0	0.1704	2.46	0.964	0.247
4043462-4447	231267805	251163399	5.6	5.6	94	94	0.3263	0.3093	0.2087	66.0	0.1704	2.62	0.964	0.247
4043463-4447	231267703	231267792	5.6	5.6	94	94	0.3263	0.3093	0.2087	66.0	0.1690	2.46	0.963	0.247
4043464-4447	231267703	231267792	5.6	5.6	94	94	0.3263	0.3093	0.2087	66.0	0.1690	2.46	0.963	0.247
4043469-4447	231267787	231267789	5.5	5.6	94	94	0.3263	0.3077	0.2087	66.0	0.1690	2.46	0.963	0.247
4043470-4447	231267745	231267725	5.5	5.6	94	94	0.3263	0.3077	0.2087	66.0	0.1690	2.46	0.963	0.247
4043471-4447	231267745	231267725	5.5	5.6	94	94	0.3263	0.3077	0.2110	66.7	0.1690	2.46	0.963	0.247
4043472-4447	231267745	231267725	5.5	5.6	94	94	0.3263	0.3077	0.2090	66.7	0.1683	2.37	0.963	0.247
4043473-4447	231267745	231267725	5.5	5.6	94	94	0.3419	0.3077	0.2090	66.7	0.1683	2.37	0.963	0.253

4043471
TRI RESULT #6
7.3×10^{-5} x
TRI Mtest
$= 2.6 \times 10^{-4}$ ok

Jane Allen
Quality Control Manager

1-11-02
Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/11/2002

Resin Certificate of Analysis

Customer: Handex of Florida, Inc.

Resin Type: HDPE

Project Name: Hillsborough County Landfill

Bills of Lading: 153113

Project Number: 10448

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218. The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4447			

Jane Allen
Quality Control Manager

1-11-02
Date

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Serrot International, Inc.

01/11/2002

Tex-Net™ Certificate of Analysis

Customer: Handex of Florida, Inc.

Project Name: Hillsborough County Landfill

Project Number: 10448

Number of Rolls Shipped: 18

Product Code: SH3NTD1451128P

Bill of Lading: 153113

I certify, the Tex-Net™ for the above identified shipment was manufactured using first quality Poly-Net™ geonet and a non-woven geotextile. The Poly-Net™ meets all of Serrot International, Inc.'s specifications for geonet. The geotextile has been certified by the manufacturer to meet all of their specifications for non-woven geotextiles.

TEX-NET

Thickness was measured according to ASTM D 5199, SII modified. Ply adhesion strength was measured according to ASTM D 413 (F 904), SII modified. Percent adhesion was determined by visual inspection. Mass per unit area was determined according to ASTM D 5261. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure.

OLY-NET

Thickness was measured according to ASTM D 5199. Tensiles were determined according to ASTM D 5035, SII modified. Mass per unit area was determined according to ASTM D 5261. Carbon black content was determined according to ASTM D 4218. Density was determined according to ASTM D 1505. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure. The standard transmissivity testing parameters for Poly-Net™ are: PN2000 - 2,000 psf/1.0 gradient, PN3000 - 15,000 psf/1.0 gradient, PN3000CN - 4,000 psf/1.0 gradient, and PN 5000 - 15,000 psf/1.0 gradient.

Jane Allen
Quality Control Manager

1-11-02
Date

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Serrot International, Inc.

01/11/2002

Tex-Net™ Testing Results

Bill of Lading: 153113

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043477-4447	231267775	231267692	5.5	5.4	94	94	0.3419	0.3077	0.2090	66.7	0.1683	2.37	0.963	0.253
4043478-4447	231267744	231267798	5.5	5.4	94	94	0.3419	0.3077	0.2090	66.7	0.1683	2.37	0.963	0.253
4043479-4447	231267744	231267798	5.5	5.4	94	94	0.3419	0.3077	0.2090	69.5	0.1683	2.37	0.963	0.253
4043480-4447	231267744	231267798	5.5	5.4	94	94	0.3419	0.3077	0.2079	69.5	0.1683	2.37	0.962	0.253
4043482-4447	231267781	251163344	4.6	4.7	94	94	0.3449	0.3077	0.2079	69.5	0.1683	2.37	0.962	0.253
4043487-4447	231267796	231267738	4.6	4.7	94	94	0.3449	0.3077	0.2079	69.6	0.1705	2.44	0.962	0.253
4043488-4447	231267796	231267738	4.6	4.7	94	94	0.3449	0.3077	0.2076	63.0	0.1625	2.44	0.962	0.253
4043491-4447	231267799	231267759	4.6	4.7	93	93	0.3339	0.3022	0.2076	63.0	0.1625	2.44	0.962	0.253
4043493-4447	231267799	231267759	4.6	4.7	93	93	0.3339	0.3022	0.2076	63.0	0.1625	2.44	0.962	0.253
4043494-4447	231267806	231267724	4.6	5.0	93	93	0.3339	0.3022	0.2076	63.0	0.1625	2.56	0.962	0.266
4043498-4447	231267806	231267724	5.8	5.7	94	94	0.3238	0.3107	0.2049	70.1	0.1659	2.54	0.964	0.325
4043499-4447	231267811	231267718	5.1	5.7	94	94	0.3238	0.3063	0.2049	70.1	0.1659	2.54	0.964	0.325
4043500-4447	231267811	231267718	5.1	5.7	94	94	0.3238	0.3063	0.2049	70.1	0.1659	2.54	0.964	0.325
4043502-4447	231267811	231267718	5.1	5.7	94	94	0.3238	0.3063	0.2049	70.1	0.1659	2.54	0.964	0.325
4043503-4447	231267810	231267714	5.1	5.7	94	94	0.3238	0.3063	0.2049	70.1	0.1659	2.54	0.964	0.325
4043504-4447	231267810	231267714	5.1	5.7	94	94	0.3238	0.3063	0.2049	70.1	0.1659	2.54	0.964	0.325
4043505-4447	231267810	231267714	5.1	5.7	94	94	0.3238	0.3063	0.2049	70.1	0.1659	2.54	0.964	0.325
4043506-4447	231267810	231267714	5.1	6.0	95	95	0.3286	0.3063	0.2078	70.1	0.1708	2.54	0.964	0.445

#7

Jane Allen
Quality Control Manager

1-11-02
Date

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Serrot International, Inc.

01/16/2002

Tex-Net™ Testing Results

Bill of Lading: 153137

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043524-4447	251163394	231267778	4.9	4.1	97	95	0.3390	0.2758	0.2114	62.5	0.1655	2.48	0.962	0.409
4043536-4447	231267746	231267723	4.2	4.8	94	94	0.3465	0.2790	0.2114	62.5	0.1743	2.59	0.961	0.391
4043537-4447	231267746	231267723	4.2	4.8	94	94	0.3465	0.2790	0.2114	62.5	0.1743	2.59	0.961	0.391
4043538-4447	231265746	231267723	4.2	4.8	94	94	0.3465	0.2790	0.2123	68.9	0.1769	2.59	0.961	0.391
4043539-4447	231267797	231267721	4.2	4.8	94	94	0.3465	0.2790	0.2123	64.4	0.1769	2.59	0.961	0.391
4043540-4447	231267797	231267721	4.5	4.8	94	94	0.3465	0.3043	0.2123	64.4	0.1769	2.59	0.961	0.391
4043541-4447	231267797	231267813	4.5	4.8	94	94	0.3465	0.3043	0.2123	64.4	0.1769	2.59	0.961	0.391
4043542-4447	231267797	231267813	4.5	4.8	94	94	0.3465	0.3043	0.2123	64.4	0.1769	2.59	0.961	0.391
4043543-4447	231267700	231267813	4.5	4.8	94	94	0.3465	0.3043	0.2123	64.4	0.1769	2.59	0.961	0.391
4043544-4447	231267700	231267813	4.5	4.8	94	94	0.3465	0.3043	0.2123	64.4	0.1769	2.59	0.961	0.391
4043545-4447	231267700	231267813	4.5	4.8	94	94	0.3465	0.3043	0.2123	64.4	0.1769	2.59	0.961	0.391
4043546-4447	231267700	231267747	4.5	4.8	94	94	0.3465	0.3043	0.2125	64.4	0.1777	2.67	0.962	0.391
4043547-4447	231267716	231267747	4.5	4.8	94	94	0.3465	0.3043	0.2123	64.4	0.1750	2.52	0.958	0.391
4043548-4447	231267716	231267747	4.9	5.1	94	94	0.3472	0.3132	0.2123	64.4	0.1750	2.52	0.958	0.391
4043549-4447	231267716	231267747	4.8	5.1	94	94	0.3472	0.3132	0.2123	64.4	0.1750	2.52	0.958	0.391
4043550-4447	231267716	251163266	4.8	5.1	94	94	0.3472	0.3132	0.2123	64.4	0.1750	2.52	0.958	0.391
4043551-4447	231267788	251163266	4.8	5.1	94	94	0.3472	0.3132	0.2123	64.4	0.1750	2.52	0.958	0.391
4043552-4447	231267788	231267691	4.8	5.1	94	94	0.3472	0.3132	0.2123	64.4	0.1750	2.52	0.958	0.391

Jane Allen
Quality Control Manager

1-16-02
Date

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Serrot International, Inc.

01/16/2002

Tex-Net™ Testing Results

Bill of Lading: 153144

(16)

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043476-4447	231267775	231267692	5.5	5.4	94	94	0.3419	0.3077	0.2090	66.7	0.1683	2.37	0.963	0.253
4043484-4447	231267781	251163344	4.6	4.7	94	94	0.3449	0.3077	0.2079	69.5	0.1683	2.37	0.962	0.253
4043485-4447	231267796	231267738	4.6	4.7	94	94	0.3449	0.3077	0.2079	69.5	0.1683	2.37	0.962	0.253
4043486-4447	231267796	231267738	4.6	4.7	94	94	0.3449	0.3077	0.2079	69.5	0.1683	2.37	0.962	0.253
4043492-4447	231267799	231267759	4.6	4.7	93	93	0.3339	0.3022	0.2076	63.0	0.1625	2.44	0.962	0.253
4043517-4447	231267712	231267804	4.9	4.1	92	93	0.3311	0.2758	0.2118	65.3	0.1655	2.33	0.962	0.409
4043518-4447	231267712	231267804	4.9	4.1	92	93	0.3311	0.2758	0.2118	65.3	0.1655	2.33	0.962	0.409
4043521-4447	231267774	231267794	4.9	4.1	92	93	0.3311	0.2758	0.2114	62.5	0.1655	2.48	0.962	0.409
4043533-4447	231267717	251164648	4.2	4.8	94	94	0.3465	0.2790	0.2114	62.5	0.1743	2.59	0.961	0.391
4043554-4447	231267788	231267691	4.8	5.1	94	94	0.3472	0.3132	0.2123	68.1	0.1750	2.52	0.958	0.391
4043555-4447	231267693	231267691	4.8	5.1	94	94	0.3472	0.3132	0.2115	66.1	0.1750	2.44	0.958	0.391
4043556-4447	231267693	231267695	4.8	5.6	96	96	0.3534	0.3140	0.2115	66.1	0.1750	2.44	0.958	0.391
4043557-4447	231267693	231267695	3.5	5.2	96	96	0.3514	0.3140	0.2115	66.1	0.1750	2.44	0.958	0.391
4043558-4447	231267693	231267695	3.5	5.2	96	96	0.3514	0.3140	0.2115	66.1	0.1750	2.44	0.958	0.391
4043559-4447	231267765	231267695	3.5	5.2	96	96	0.3514	0.3140	0.2115	66.1	0.1750	2.44	0.958	0.391
4043560-4447	231267765	241308880	3.5	5.2	96	96	0.3514	0.3140	0.2115	66.1	0.1750	2.44	0.958	0.391
4043561-4447	231267765	241308880	3.5	5.2	96	96	0.3514	0.3140	0.2115	66.1	0.1775	2.44	0.961	0.391
4043562-4447	231267765	241308880	3.5	5.2	96	96	0.3514	0.3140	0.2115	66.1	0.1775	2.44	0.961	0.391

Jane Allen
Quality Control Manager

1-16-02
Date

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Serrot International, Inc.

01/17/2002

Tex-Net™ Testing Results

Bill of Lading: 153152

(19)

Roll Number	GeoTextile Numbers Top	GeoTextile Numbers Bottom	Ply Adhesion (ppi) Top	Ply Adhesion (ppi) Bot.	Percent Adhesion Top	Percent Adhesion Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m³/sec x 10⁻⁵)
4043474-4447	231267775	231267692	5.5	5.4	94	94	0.3419	0.3077	0.2090	66.7	0.1683	2.37	0.963	0.253
4043475-4447	231267775	231267692	5.5	5.4	94	94	0.3419	0.3077	0.2090	66.7	0.1683	2.37	0.963	0.253
4043483-4447	231267781	251163344	4.6	4.7	94	94	0.3449	0.3077	0.2079	69.5	0.1683	2.37	0.962	0.253
4043489-4447	231267799	231267759	4.6	4.7	94	94	0.3500	0.3100	0.2076	63.0	0.1625	2.44	0.962	0.253
4043490-4447	231267799	231267759	4.6	4.7	93	93	0.3339	0.3022	0.2076	63.0	0.1625	2.44	0.962	0.253
4043516-4447	231267712	231267804	5.4	5.6	92	93	0.3311	0.2925	0.2118	65.3	0.1655	2.33	0.962	0.599
4043519-4447	231267774	231267794	4.9	4.1	92	93	0.3311	0.2758	0.2118	65.3	0.1655	2.33	0.962	0.409
4043520-4447	231267774	231267794	4.9	4.1	92	93	0.3311	0.2758	0.2122	70.3	0.1655	2.48	0.962	0.409
4043522-4447	231267774	231267794	4.9	4.1	92	93	0.3311	0.2758	0.2114	62.5	0.1655	2.48	0.962	0.409
4043523-4447	251163394	231267778	4.9	4.1	92	93	0.3311	0.2758	0.2114	62.5	0.1655	2.48	0.962	0.409
4043525-4447	251163394	231267778	4.2	4.1	94	95	0.3390	0.2758	0.2114	62.5	0.1655	2.48	0.962	0.391
4043526-4447	251163394	231267778	4.2	4.1	94	95	0.3390	0.2758	0.2114	62.5	0.1655	2.48	0.962	0.391
4043530-4447	231267779	231267722	4.2	4.1	94	95	0.3390	0.2758	0.2114	62.5	0.1743	2.62	0.962	0.391
4043531-4447	231267779	231267722	4.2	4.1	94	95	0.3390	0.2758	0.2114	62.5	0.1743	2.59	0.961	0.391
4043532-4447	231267717	251164648	4.2	5.4	94	97	0.3476	0.2790	0.2114	62.5	0.1743	2.59	0.961	0.391
4043534-4447	231267717	251164648	4.2	4.8	94	94	0.3465	0.2790	0.2114	62.5	0.1743	2.59	0.961	0.391
4043535-4447	231267717	251164648	4.2	4.8	94	94	0.3465	0.2790	0.2114	62.5	0.1743	2.59	0.961	0.391
4043553-4447	231267788	231267691	4.8	5.1	94	94	0.3472	0.3132	0.2123	64.4	0.1750	2.52	0.958	0.391

Jane Allen
Quality Control Manager

1-17-02
Date

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Serrot International, Inc.

01/17/2002

Tex-Net™ Testing Results

Bill of Lading: 153153 (14)

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻⁹)
4043569-4447	636503A	648990A	3.3	3.3	96	94	0.3148	0.3121	0.2116	64.5	0.1688	2.57	0.961	0.234
4043570-4447	636503A	648990A	3.0	3.3	94	94	0.3148	0.3121	0.2116	64.5	0.1688	2.57	0.961	0.234
4043571-4447	636503A	648990A	3.0	3.3	94	94	0.3148	0.3121	0.2116	64.5	0.1688	2.57	0.961	0.234
4043572-4447	636503A	648990A	3.0	3.3	94	94	0.3148	0.3121	0.2116	64.5	0.1688	2.57	0.961	0.234
4043573-4447	648984A	648977A	3.0	3.3	94	94	0.3148	0.3121	0.2116	64.5	0.1750	2.58	0.961	0.234
4043574-4447	648984A	648977A	3.0	3.3	94	94	0.3148	0.3121	0.2116	64.5	0.1750	2.57	0.961	0.234
4043575-4447	648984A	648977	3.0	3.3	94	94	0.3148	0.3121	0.2116	64.5	0.1750	2.57	0.961	0.234
4043576-4447	648984A	648977A	3.0	3.3	94	94	0.3148	0.3121	0.2116	64.5	0.1750	2.57	0.961	0.234
4043577-4447	648986A	648988A	3.0	4.2	94	94	0.3285	0.3147	0.2116	64.5	0.1750	2.57	0.961	0.234
4043578-4447	648986A	648988A	3.0	3.5	94	94	0.3198	0.3000	0.2116	64.5	0.1750	2.57	0.961	0.234
4043579-4447	648986A	648988A	3.0	3.5	94	94	0.3198	0.3000	0.2116	64.5	0.1750	2.57	0.961	0.234
4043580-4447	648986A	648988A	3.0	3.5	94	94	0.3198	0.3000	0.2116	64.5	0.1750	2.57	0.961	0.234
4043581-4447	648986A	648988A	3.0	3.5	94	94	0.3198	0.3000	0.2132	67.9	0.1752	2.57	0.961	0.234
4043582-4447	636506A	648988A	3.0	3.5	94	94	0.3198	0.3000	0.2132	66.3	0.1736	2.57	0.961	0.234
4043583-4447	636506A	648978A	3.0	3.5	94	94	0.3198	0.3000	0.2132	66.3	0.1736	2.57	0.961	0.234
4043584-4447	636506A	648978A	3.0	3.5	94	94	0.3198	0.3000	0.2132	66.3	0.1736	2.57	0.961	0.234
4043585-4447	636506A	648978A	3.0	3.5	94	94	0.3198	0.3000	0.2132	66.3	0.1736	2.57	0.961	0.234
4043586-4447	636462A	648978A	3.0	2.8	94	94	0.3167	0.3000	0.2132	66.3	0.1736	2.57	0.961	0.234

Jane Allen
Quality Control Manager

1-17-02
Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/17/2002

Tex-Net™ Testing Results

Bill of Lading: 153152

(1)

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻²)
4043563-4447	231267765	241308880	3.5	5.2	96	96	0.3514	0.3179	0.2115	66.1	0.1775	2.44	0.961	0.391

Jane Allen
Quality Control Manager

1-17-02
Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/18/2002

Tex-Net™ Testing Results

Bill of Lading: 153161

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043587-4447	636462A	648978A	3.0	2.8	94	94	0.3167	0.3000	0.2132	66.3	0.1736	2.57	0.961	0.234
4043588-4447	636462A	636477A	3.0	2.8	94	94	0.3167	0.3000	0.2132	66.3	0.1736	2.57	0.961	0.234
4043589-4447	636462A	636477A	3.0	2.8	94	94	0.3167	0.3000	0.2158	66.3	0.1736	2.64	0.962	0.234
4043590-4447	636462A	636477A	3.0	2.8	94	94	0.3167	0.3000	0.2114	66.3	0.1717	2.64	0.961	0.234
4043591-4447	636478A	636477A	3.0	2.8	94	94	0.3167	0.3000	0.2114	66.3	0.1717	2.64	0.961	0.234
4043592-4447	636478A	636477A	3.0	2.8	94	94	0.3167	0.3000	0.2114	66.3	0.1717	2.64	0.961	0.234
4043593-4447	636478A	636453A	3.4	2.8	94	96	0.3167	0.3013	0.2114	66.3	0.1717	2.64	0.961	0.234
4043594-4447	636478A	636453A	3.2	2.8	94	94	0.3167	0.3013	0.2114	66.3	0.1717	2.64	0.961	0.234
4043595-4447	636478A	636453A	3.2	2.8	94	94	0.3167	0.3013	0.2114	66.3	0.1717	2.64	0.961	0.234
4043596-4447	636474A	636453A	3.2	2.8	94	94	0.3167	0.3013	0.2114	66.3	0.1717	2.64	0.961	0.234
4043597-4447	636474A	636453A	3.2	2.8	94	94	0.3167	0.3013	0.2114	69.3	0.1717	2.66	0.961	0.234
4043598-4447	636474A	636496A	3.2	2.8	94	94	0.3167	0.3013	0.2114	60.7	0.1717	2.66	0.961	0.234
4043599-4447	636474A	636496A	3.2	2.8	94	94	0.3167	0.3013	0.2114	60.7	0.1717	2.66	0.961	0.234
4043600-4447	636476A	636496A	3.2	2.8	94	94	0.3167	0.3013	0.2114	60.7	0.1717	2.66	0.961	0.234
4043601-4447	636476A	636496A	3.2	3.6	94	94	0.3344	0.3206	0.2114	60.7	0.1717	2.66	0.961	0.483
4043602-4447	636476A	636461A	2.2	3.5	94	94	0.3166	0.3092	0.2114	60.7	0.1717	2.66	0.961	0.47
4043603-4447	636476A	636461A	2.2	3.5	94	94	0.3166	0.3092	0.2114	60.7	0.1717	2.66	0.961	0.47
4043604-4447	636476A	636461A	2.2	3.5	94	94	0.3166	0.3092	0.2114	60.7	0.1717	2.66	0.961	0.47

Jane Allen
Quality Control Manager

1-18-02
Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/18/2002

Tex-Net™ Testing Results

Bill of Lading: 153160

(18)

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043605-4447	636475A	636461A	2.2	3.5	94	94	0.3166	0.3092	0.2131	60.7	0.1757	2.66	0.962	0.47
4043606-4447	636475A	636461A	2.2	3.5	94	94	0.3166	0.3092	0.2131	60.7	0.1757	2.66	0.962	0.47
4043607-4447	636475A	648980A	2.2	3.5	94	94	0.3166	0.3092	0.2131	60.7	0.1757	2.66	0.962	0.47
4043608-4447	636475A	648980A	2.2	3.5	94	94	0.3166	0.3092	0.2131	60.7	0.1757	2.66	0.962	0.47
4043609-4447	636475A	648980A	2.2	3.5	94	94	0.3166	0.3092	0.2131	60.7	0.1757	2.66	0.962	0.47
4043610-4447	648991A	648980A	2.2	3.4	94	93	0.3148	0.3092	0.2131	60.7	0.1757	2.66	0.962	0.47
4043611-4447	648991A	648980A	2.2	3.4	94	93	0.3148	0.3092	0.2131	60.7	0.1757	2.66	0.962	0.47
4043612-4447	648991A	533757A	2.2	3.4	94	93	0.3148	0.3092	0.2131	60.7	0.1757	2.66	0.962	0.47
4043613-4447	648991A	533757A	2.2	3.4	94	93	0.3148	0.3092	0.2146	70.3	0.1761	2.69	0.962	0.47
4043614-4447	648991A	533757A	2.2	3.4	94	93	0.3148	0.3092	0.2141	70.3	0.1757	2.62	0.962	0.47
4043615-4447	648983A	533757A	2.2	3.4	94	93	0.3148	0.3092	0.2141	70.3	0.1757	2.62	0.962	0.47
4043616-4447	648983A	533757A	2.2	3.4	94	93	0.3148	0.3092	0.2141	70.3	0.1757	2.62	0.962	0.47
4043617-4447	648983A	636490A	4.3	3.4	94	93	0.3148	0.3176	0.2141	70.3	0.1757	2.62	0.962	0.47
4043620-4447	648981A	636490A	3.0	2.8	94	93	0.3126	0.3094	0.2141	70.3	0.1757	2.62	0.962	0.47
4043621-4447	648981A	636490A	3.0	2.8	94	93	0.3126	0.3094	0.2141	72.3	0.1757	2.62	0.962	0.47
4043622-4447	648981A	648989A	3.0	2.8	94	93	0.3126	0.3094	0.2141	66.3	0.1757	2.52	0.960	0.47
4043623-4447	648981A	648989A	3.0	2.8	94	93	0.3126	0.3094	0.2141	66.3	0.1757	2.52	0.960	0.47
4043624-4455	648981A	648989A	3.0	2.8	94	93	0.3126	0.3094	0.2141	66.3	0.1757	2.52	0.960	0.47

Jane Allen
Quality Control Manager

1-18-02
Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/18/2002

Tex-Net™ Testing Results

Bill of Lading: 153159

(18)

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043618-4447	648983A	636490A	3.0	2.8	94	93	0.3126	0.3094	0.2141	70.3	0.1757	2.62	0.962	0.47
4043619-4447	648983A	636490A	3.0	2.8	94	93	0.3126	0.3094	0.2141	70.3	0.1757	2.62	0.962	0.47
4043625-4455	636509A	648989A	2.6	2.8	95	94	0.3126	0.3094	0.2141	66.3	0.1757	2.52	0.960	0.47
4043626-4455	636509A	648989A	2.6	2.5	93	94	0.3122	0.3094	0.2141	66.3	0.1757	2.52	0.960	0.47
4043627-4455	636509A	648982A	2.6	2.5	93	94	0.3122	0.3094	0.2141	66.3	0.1757	2.52	0.960	0.47
4043628-4455	636509A	648982A	2.6	2.5	93	94	0.3122	0.3094	0.2141	66.3	0.1757	2.52	0.960	0.47
4043629-4455	636509A	648982A	2.6	2.5	93	94	0.3122	0.3094	0.2152	66.3	0.1776	2.52	0.960	0.47
4043630-4455	636464A	648982A	2.6	2.5	93	94	0.3122	0.3094	0.2152	63.6	0.1758	2.52	0.959	0.47
4043631-4455	636464A	648982A	2.6	2.5	93	94	0.3122	0.3094	0.2152	63.6	0.1758	2.52	0.959	0.47
4043632-4455	636464A	636456A	2.6	2.5	93	94	0.3122	0.3094	0.2152	63.6	0.1758	2.52	0.959	0.47
4043633-4455	636464A	636456A	2.6	2.4	93	94	0.3122	0.3104	0.2152	63.6	0.1758	2.52	0.959	0.47
4043634-4455	A636464A	A6366456A	2.6	2.4	93	94	0.3115	0.3104	0.2152	63.6	0.1758	2.52	0.959	0.47
4043635-4455	649001A	636456A	2.6	2.4	93	94	0.3115	0.3104	0.2152	63.6	0.1758	2.52	0.959	0.47
4043636-4455	649001A	636456A	2.6	2.4	93	94	0.3115	0.3104	0.2152	63.6	0.1758	2.52	0.959	0.47
4043637-4455	649001A	649000A	2.6	2.4	93	94	0.3115	0.3104	0.2180	63.6	0.1758	2.53	0.959	0.47
4043638-4455	649001A	649000A	3.2	3.2	94	97	0.3115	0.3143	0.2180	63.6	0.1758	2.53	0.959	0.47
4043639-4455	648994A	649000A	2.2	3.2	94	94	0.3115	0.3143	0.2180	63.6	0.1758	2.53	0.959	0.438
4043640-4455	648994A	649000A	2.2	3.2	94	94	0.3115	0.3143	0.2180	63.6	0.1758	2.53	0.959	0.438

Jane Allen
Quality Control Manager

1-18-02
Date

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Johns Manville
Engineered Products Group
995 Mt. Pleasant Road
Post Office Box 5650
Spartanburg, SC 29304-5650

CERTIFICATE OF COMPLIANCE
COM - 00 - 863

07/27/2000

ATTENTION: JANIE SIMPSON
SERROT INTERNATIONAL
320 INNOVATION WAY
WELLFORD, SC 29385

JOHNS MANVILLE ORDER NO.	00108205
CUSTOMER ORDER NO.	12048
SPECIFICATION NO.	
PROJECT NO.	SERROT INTERNATIONAL
Manufacturer:	JOHNS MANVILLE CORPORATION
Product Description:	NONWOVEN, NEEDLEPUNCHED CONTINUOUS FILAMENT, 100 PERCENT POLYESTER

PRODUCT IDENTIFICATION: 011:80

This letter is to state that the Spunbond fabric specified above complies with attached physical property data. The material has been continuously inspected for the presence of needles and either no needles were detected or those detected were removed.

Sincerely,

QC Approval

STATE OF SOUTH CAROLINA
COUNTY OF SPARTANBURG
SWORN TO BEFORE ME THIS
JULY 28, 2000.

NOTARY PUBLIC FOR SOUTH CAROLINA
MY COMMISSION EXPIRES JANUARY 2007.

cc: File
Fax 8644395642 JANIE

Please reference (Com. No.) if you have questions concerning this letter (864-579-8241).

2312671687-2312677816

TEX386 ~~011280~~ 06/16/2000 12:54 - 06/19/2000 07:30 280 - 3 - 386 03/31/2000

ROLL #	Weight Oz/Yd2	Coef Var %	Thick Mils	Grab Brk Str Lbs MD	Grab Elong % MD	Grab Brk Str Lbs CD	Grab Elong % CD	Trap Tear Lbs MD	Trap Tear Lbs CD	Mullen Burst Psi	Punct 5/16 Lbs	Water Perm Gpm/Ft2	AOSP
231267687	8.65	3.583	128.35	335.50	78.55	277.96	83.37	102.58	96.91	424.80	132.07	136.58	70.00
231267690 7691	8.66	2.603	124.02	325.73	80.04	278.42	82.65	103.41	100.49	441.80	132.21		
231267695	8.55	4.341	125.59	332.82	81.83	289.04	84.86	102.04	92.75	434.70	141.50		
231267700	8.82	5.012	127.95	335.75	81.92	289.55	84.95	101.75	94.75	436.39	135.97		
231267705	8.74	5.297	127.95	332.32	80.43	299.23	85.12	101.86	92.25	429.66	129.60		
231267711	8.76	4.828	127.56	333.07	80.81	298.60	85.93	98.73	91.19	426.24	140.54		
231267716	8.79	6.424	129.13	327.01	84.52	291.76	86.70	123.28	103.28	433.58	135.94		
231267721 7722	8.76	4.404	127.17	340.94	83.97	290.05	89.43	105.59	98.69	431.90	138.69		
7725, 7724 231267727	8.69	5.376	127.17	326.54	81.15	288.94	87.94	106.67	94.23	454.10	131.38		
231267732	8.67	3.918	128.35	326.72	82.56	288.74	87.72	108.50	96.37	424.30	136.85		
231267738 7739	8.83	4.810	127.56	334.85	81.92	298.08	86.61	98.80	104.49	416.70	135.07	137.47	70.00
231267743 7745	8.66	2.015	129.13	328.86	80.17	292.97	85.25	100.58	89.93	441.00	134.62		
231267749	8.67	4.862	127.56	341.03	81.28	293.26	87.77	98.53	90.07	423.38	138.35		
231267754	8.77	6.083	127.95	336.56	84.14	291.87	88.19	101.93	93.22	425.06	136.17		
~~231267759~~	~~8.66~~	~~4.795~~	~~128.35~~	~~341.03~~	~~83.67~~	~~290.75~~	~~88.96~~	~~103.59~~	~~87.91~~	~~395.63~~	~~129.71~~		
231267764	8.75	5.051	131.10	336.94	89.51	300.44	92.84	102.76	89.50	435.83	137.47		
~~231267769~~	~~8.69~~	~~3.851~~	~~127.56~~	~~335.54~~	~~82.52~~	~~299.61~~	~~86.53~~	~~111.11~~	~~97.72~~	~~445.68~~	~~137.75~~		
231267774	8.75	2.735	125.98	325.42	86.66	286.63	90.62	105.75	100.33	444.00	137.29	142.61	70.00
231267779	8.78	2.880	129.53	342.99	88.49	294.39	94.12	106.27	101.45	426.73	135.07		
231267784 7788	8.66	4.427	130.71	349.31	89.00	288.63	91.31	110.25	90.81	440.40	136.24		
231267790	8.59	4.668	129.53	333.54	88.45	295.02	90.92	112.55	98.93	436.65	133.22		
231267795	8.70	3.299	127.95	346.23	90.92	287.64	95.32	97.42	87.44	425.02	131.13		
231267800	8.75	5.582	128.35	316.53	87.25	287.75	90.84	95.98	92.86	444.81	134.28		
231267805 7806	8.73	2.168	128.35	326.77	76.52	273.98	82.65	99.92	93.98	417.62	131.96		
231267811	8.78	3.118	129.53	323.19	76.93	297.29	102.49	99.65	97.54	428.04	137.36		
231267816	8.71	3.658				296.82	91.22			419.83			

ROLL #	Weight Oz/Yd2	Coef Var %	Thick Mils	Grab Brk Str Lbs MD	Grab Elong % MD	Grab Brk Str Lbs CD	Grab Elong % CD	Trap Tear Lbs MD	Trap Tear Lbs CD	Mullen Burst Psi	Punct 5/16 Lbs	Water Perm Gpm/Ft2	AOSP
Average:	8.71	4.22	128.09	333.41	83.33	291.06	88.63	103.98	95.08	430.92	135.22	138.89	70.00
Std Dev:	0.07	1.17	1.51	7.72	3.94	6.73	4.41	5.89	4.78	11.90	3.19	3.25	0.00
Min:	8.55	2.02	2.02	316.53	76.52	273.98	82.65	95.98	87.44	395.63	129.60	136.58	70.00
Max:	8.83	6.42	6.42	349.31	90.92	300.44	102.49	123.28	104.49	454.10	141.50	142.61	70.00

ASTM NUMBERS

Area Weight..... ASTM D-5261
Grab Strenght And Elongation..... ASTM D-4632
Puncture..... ASTM D-4833
Water Flow..... ASTM D-4491
Thickness..... ASTM D-5199
Trapezoid Tear Strength..... ASTM D-4533
Mullen Burst..... ASTM D-3786
AOS..... ASTM D-4751

Serrot International, Inc.

01/11/2002

Resin Certificate of Analysis

Customer: Handex of Florida, Inc.

Resin Type: HDPE

Project Name: Hillsborough County Landfill

Bills of Lading: 153121

Project Number: 10448

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218. The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4453	0.089	0.938	

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Jane Allen
Quality Control Manager

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Serrot International, Inc.

01/11/2002

Geomembrane Certificate of Analysis

Customer:	Handex of Florida, Inc.	Number of Rolls Shipped:	12
Project Name:	Hillsborough County Landfill	Nominal Thickness:	60 mils
Project Number:	10448	Bill of Lading(s):	153121

I certify the polyethylene geomembrane for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications listed below. Testing was performed at the given frequencies.

The raw polymeric material is first quality polyethylene resin.

A database listing of all test values follows.

Property	Test Method	Minimum Specification	Frequency
Average Thickness	ASTM D 5199	60 mils	Every Roll
Stress @ Yield	ASTM D 638	126 ppi	Every 50,000 sf.
Strain @ Yield	ASTM D 638	12%	Every 50,000 sf.
Stress @ Break	ASTM D 638	228 ppi	Every 50,000 sf.
Strain @ Break	ASTM D 638	700%	Every 50,000 sf.
Carbon Black Dispersion	ASTM D 5596	1 or 2 Category	Every 50,000 sf.
Carbon Black Content	ASTM D 4218	2 - 3%	Every 50,000 sf.
Density	ASTM D 1505	.940 g/cm³	Every 50,000 sf.
Dimensional Stability 100° C	ASTM D 1204	± 2.0% max.	Once per Shift
Puncture Resistance	ASTM D 4833	108 lbs.	Every 50,000 sf.
Tear Resistance	ASTM D 1004	42 lbs.	Every 50,000 sf.

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lls of Lading 153121

Geomembrane Testing Results

	Avg Thickness	MD Stress at Yield	TD Stress at Yield	MD Strain at Yield	TD Strain at Yield	MD Stress at Break	TD Stress at Break	MD Strain at Break	TD Strain at Break	Carbon Dispersion	Carbon Content 4218	Density	MD 100° Dim Stab	TD 100° Dim Stab	Puncture ASTM
4112951-4453	62.3	155	164	17.8	16.2	264	233	709	715	1	2.52	0.948	-0.1	0.2	136
4112966-4453	63.4	157	165	17.5	15.9	243	263	720	762	1	2.50	0.948	-0.1	0.2	140
4112967-4453	62.9	157	165	17.5	15.9	243	263	720	762	1	2.50	0.948	-0.1	0.2	140
4112968-4453	62.2	157	165	17.5	15.9	243	263	720	762	1	2.50	0.948	-0.1	0.2	140
4112969-4453	63.5	157	166	18.3	16.3	243	285	720	821	1	2.50	0.948	-0.1	0.2	140
4112971-4453	62.1	157	166	17.8	16.3	243	285	720	821	1	2.46	0.948	-0.1	0.2	130
4112972-4453	62.6	157	166	17.8	16.3	243	285	720	821	1	2.46	0.948	-0.1	0.2	130
4112973-4453	63.0	163	172	17.8	16.4	270	298	748	851	1	2.46	0.948	0.0	0.2	130
4112974-4453	62.6	162	168	17.8	16.4	259	275	709	771	1	2.39	0.948	-0.2	0.2	130
4112975-4453	63.4	162	168	17.8	16.4	259	275	709	771	1	2.39	0.948	-0.2	0.2	130
4112976-4453	63.2	162	168	17.8	16.4	259	275	709	771	1	2.39	0.948	-0.2	0.2	130
4112979-4453	63.7	162	168	17.4	16.0	259	275	709	771	1	2.35	0.948	-0.2	0.2	139

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Bills of Lading 153121

GeomembraneTesting Results - Page 2

	MD Tear Resistance	TD Tear Resistance
4112951-4453	53	51
4112966-4453	52	50
4112967-4453	52	50
4112968-4453	52	50
4112969-4453	52	50
4112971-4453	52	50
4112972-4453	52	50
4112973-4453	53	51
4112974-4453	53	51
4112975-4453	53	51
4112976-4453	53	51
4112979-4453	54	53

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ls of Lading 153104

Geomembrane Testing Results

	Avg Thickness	MD Stress at Yield	TD Stress at Yield	MD Strain at Yield	TD Strain at Yield	MD Stress at Break	TD Stress at Break	MD Strain at Break	TD Strain at Break	Carbon Dispersion	Carbon Content 4218	Density	MD 100° Dim Stab	TD 100° Dim Stab	Puncture ASTM
4112926-4453	63.7	154	164	18.1	16.2	271	264	767	748	1	2.54	0.948	-0.2	0.2	135
4112927-4453	64.1	154	164	18.1	16.2	271	264	767	748	1	2.54	0.948	-0.2	0.2	135
4112928-4453	63.7	154	164	18.1	16.2	271	264	767	748	1	2.54	0.948	-0.2	0.2	135
4112934-4453	62.4	154	165	17.2	16.6	250	283	701	792	1	2.52	0.948	-0.2	0.2	134
4112935-4453	62.8	154	165	17.2	16.6	250	283	701	792	1	2.52	0.948	-0.2	0.2	134
4112938-4453	63.8	155	165	17.2	16.7	305	307	802	876	1	2.44	0.949	0.1	0.2	138
4112939-4453	65.1	155	165	17.2	16.7	305	307	802	876	1	2.44	0.949	0.1	0.2	138
4112941-4453	63.6	163	168	17.6	16.7	328	307	867	876	1	2.44	0.949	0.1	0.2	138
4112947-4453	63.8	155	164	17.9	16.1	264	233	709	715	1	2.48	0.948	0.1	0.2	140
4112948-4453	63.2	155	164	17.9	16.1	264	233	709	715	1	2.48	0.948	0.1	0.2	140
4112952-4453	62.8	155	164	17.8	16.2	264	233	709	715	1	2.52	0.948	0.1	0.2	136

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Bills of Lading 153101

Geomembrane Testing Results

	Avg Thickness	MD Stress at Yield	TD Stress at Yield	MD Strain at Yield	TD Strain at Yield	MD Stress at Break	TD Stress at Break	MD Strain at Break	TD Strain at Break	Carbon Dispersion	Carbon Content 4218	Density	MD 100° Dim Stab	TD 100° Dim Stab	Punctur ASTM
4112933-4453	64.1	154	170	17.9	16.6	250	283	701	792	1	2.56	0.948	0.2	0.2	134
4112937-4453	63.3	155	165	17.2	16.7	305	322	802	911	1	2.52	0.949	-0.1	0.2	140
4112946-4453	64.4	155	164	17.9	16.1	264	233	709	715	1	2.48	0.948	-0.1	0.2	140
4112953-4453	66.8	158	167	17.8	16.2	266	270	729	765	1	2.54	0.949	-0.1	0.2	136
4112954-4453	64.7	158	167	17.8	16.2	266	270	729	765	1	2.54	0.948	-0.2	0.2	136
4112955-4453	62.9	158	167	17.8	16.2	266	270	729	765	1	2.54	0.948	-0.2	0.2	136
4112958-4453	62.8	159	167	18.5	16.4	263	276	726	780	1	2.58	0.948	-0.2	0.2	136
4112960-4453	63.0	159	167	18.5	16.4	263	276	726	780	1	2.58	0.948	-0.2	0.2	136
4112961-4453	63.0	159	169	18.5	16.4	263	276	726	780	1	2.61	0.948	-0.2	0.0	141
4112962-4453	62.8	158	165	17.5	15.9	263	263	726	762	1	2.55	0.948	-0.2	0.2	141
4112963-4453	63.2	158	165	17.5	15.9	263	263	726	762	1	2.55	0.948	-0.2	0.2	141
4112964-4453	62.9	158	165	17.5	15.9	263	263	726	762	1	2.55	0.948	-0.2	0.2	141

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01/10/2002

Resin Certificate of Analysis

Customer: Handex of Florida, Inc.

Resin Type: HDPE

Project Name: Hillsborough County Landfill

Bills of Lading: 153101

Project Number: 10448

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218. The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4453	0.089	0.938	

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Geomembrane Certificate of Analysis

Customer:	Handex of Florida, Inc.	Number of Rolls Shipped:	11
Project Name:	Hillsborough County Landfill	Nominal Thickness:	60 mils
Project Number:	10448	Bill of Lading(s):	153101

I certify the polyethylene geomembrane for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications listed below. Testing was performed at the given frequencies.

The raw polymeric material is first quality polyethylene resin.

A database listing of all test values follows.

Property	Test Method	Minimum Specification	Frequency
Average Thickness	ASTM D 5199	60 mils	Every Roll
Stress @ Yield	ASTM D 638	126 ppi	Every 50,000 sf.
Strain @ Yield	ASTM D 638	12%	Every 50,000 sf.
Stress @ Break	ASTM D 638	228 ppi	Every 50,000 sf.
Strain @ Break	ASTM D 638	700%	Every 50,000 sf.
Carbon Black Dispersion	ASTM D 5596	1 or 2 Category	Every 50,000 sf.
Carbon Black Content	ASTM D 4218	2 - 3%	Every 50,000 sf.
Density	ASTM D 1505	.940 g/cm³	Every 50,000 sf.
Dimensional Stability 100° C	ASTM D 1204	± 2.0% max.	Once per Shift
Puncture Resistance	ASTM D 4833	108 lbs.	Every 50,000 sf.
Tear Resistance	ASTM D 1004	42 lbs.	Every 50,000 sf.

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Quality Control Manager

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Bills of Lading 153101

Geomembrane Testing Results

	Avg Thickness	MD Stress at Yield	TD Stress at Yield	MD Strain at Yield	TD Strain at Yield	MD Stress at Break	TD Stress at Break	MD Strain at Break	TD Strain at Break	Carbon Dispersion	Carbon Content 4218	Density	MD 100° Dim Stab	TD 100° Dim Stab	Puncture ASTM
4112933-4453	64.1	154	170	17.9	16.6	250	283	701	792	1	2.56	0.948	-0.2	0.2	134
4112937-4453	63.3	155	165	17.2	16.7	305	322	802	911	1	2.52	0.949	-0.1	0.2	140
4112946-4453	64.4	155	164	17.9	16.1	264	233	709	715	1	2.48	0.948	-0.1	0.2	140
4112953-4453	66.8	158	167	17.8	16.2	266	270	729	765	1	2.54	0.949	-0.1	0.2	136
4112954-4453	64.7	158	167	17.8	16.2	266	270	729	765	1	2.54	0.948	-0.2	0.2	136
4112955-4453	62.9	158	167	17.8	16.2	266	270	729	765	1	2.54	0.948	-0.2	0.2	136
4112958-4453	62.8	159	167	18.5	16.4	263	276	726	780	1	2.58	0.948	-0.2	0.2	136
4112960-4453	63.0	159	167	18.5	16.4	263	276	726	780	1	2.58	0.948	-0.2	0.2	136
4112961-4453	63.0	159	169	18.5	16.4	263	276	726	780	1	2.61	0.948	-0.2	0.0	141
4112962-4453	62.8	158	165	17.5	15.9	263	263	726	762	1	2.55	0.948	-0.2	0.2	141
4112963-4453	63.2	158	165	17.5	15.9	263	263	726	762	1	2.55	0.948	-0.2	0.2	141
4112964-4453	62.9	158	165	17.5	15.9	263	263	726	762	1	2.55	0.948	-0.2	0.2	141

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Bills of Lading 153101

GeomembraneTesting Results - Page 2

	MD Tear Resistance	TD Tear Resistance
4112933-4453	53	50
4112937-4453	64	63
4112946-4453	53	54
4112953-4453	55	51
4112954-4453	52	51
4112955-4453	52	51
4112958-4453	52	50
4112960-4453	52	50
4112961-4453	53	50
4112962-4453	52	50
4112963-4453	52	50
4112964-4453	52	50

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01/10/2002

Resin Certificate of Analysis

Customer: Handex of Florida, Inc.

Resin Type: HDPE

Project Name: Hillsborough County Landfill

Bills of Lading: 153104

Project Number: 10448

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218. The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4453	0.089	0.938	

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Serrot International, Inc.

01/10/2002

Geomembrane Certificate of Analysis

Customer:	Handex of Florida, Inc.	Number of Rolls Shipped:	11
Project Name:	Hillsborough County Landfill	Nominal Thickness:	60 mils
Project Number:	10448	Bill of Lading(s):	153104

I certify the polyethylene geomembrane for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications listed below. Testing was performed at the given frequencies.

The raw polymeric material is first quality polyethylene resin.

A database listing of all test values follows.

Property	Test Method	Minimum Specification	Frequency
Average Thickness	ASTM D 5199	60 mils	Every Roll
Stress @ Yield	ASTM D 638	126 ppi	Every 50,000 sf.
Strain @ Yield	ASTM D 638	12%	Every 50,000 sf.
Stress @ Break	ASTM D 638	228 ppi	Every 50,000 sf.
Strain @ Break	ASTM D 638	700%	Every 50,000 sf.
Carbon Black Dispersion	ASTM D 5596	1 or 2 Category	Every 50,000 sf.
Carbon Black Content	ASTM D 4218	2 - 3%	Every 50,000 sf.
Density	ASTM D 1505	.940 g/cm³	Every 50,000 sf.
Dimensional Stability 100° C	ASTM D 1204	± 2.0% max.	Once per Shift
Puncture Resistance	ASTM D 4833	108 lbs.	Every 50,000 sf.
Tear Resistance	ASTM D 1004	42 lbs.	Every 50,000 sf.

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Bills of Lading 153104

Geomembrane Testing Results

	Avg Thickness	MD Stress at Yield	TD Stress at Yield	MD Strain at Yield	TD Strain at Yield	MD Stress at Break	TD Stress at Break	MD Strain at Break	TD Strain at Break	Carbon Dispersion	Carbon Content 4218	Density	MD 100° Dim Stab	TD 100° Dim Stab	Puncture ASTM
4112926-4453	63.7	154	164	18.1	16.2	271	264	767	748	1	2.54	0.948	-0.2	0.2	135
4112927-4453	64.1	154	164	18.1	16.2	271	264	767	748	1	2.54	0.948	-0.2	0.2	135
4112928-4453	63.7	154	164	18.1	16.2	271	264	767	748	1	2.54	0.948	-0.2	0.2	135
4112934-4453	62.4	154	165	17.2	16.6	250	283	701	792	1	2.52	0.948	-0.2	0.2	134
4112935-4453	62.8	154	165	17.2	16.6	250	283	701	792	1	2.52	0.948	-0.2	0.2	134
4112938-4453	63.8	155	165	17.2	16.7	305	307	802	876	1	2.44	0.949	-0.1	0.2	138
4112939-4453	65.1	155	165	17.2	16.7	305	307	802	876	1	2.44	0.949	-0.1	0.2	138
4112941-4453	63.6	163	168	17.6	16.7	328	307	867	876	1	2.44	0.949	-0.1	0.2	138
4112947-4453	63.8	155	164	17.9	16.1	264	233	709	715	1	2.48	0.948	-0.1	0.2	140
4112948-4453	63.2	155	164	17.9	16.1	264	233	709	715	1	2.48	0.948	-0.1	0.2	140
4112952-4453	62.8	155	164	17.8	16.2	264	233	709	715	1	2.52	0.948	-0.1	0.2	136

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Bills of Lading 153104

GeomembraneTesting Results - Page 2

	MD Tear Resistance	TD Tear Resistance
4112926-4453	52	50
4112927-4453	52	50
4112928-4453	52	50
4112934-4453	53	50
4112935-4453	53	50
4112938-4453	61	61
4112939-4453	61	61
4112941-4453	61	61
4112947-4453	53	54
4112948-4453	53	54
4112952-4453	53	51

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Quality Control Manager

1-10-02
Date

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rrot International, Inc.

01/14/2002

of Lading 153134

Geomembrane Testing Results

(11)	Avg Thickness	MD Stress at Yield	TD Stress at Yield	MD Strain at Yield	TD Strain at Yield	MD Stress at Break	TD Stress at Break	MD Strain at Break	TD Strain at Break	Carbon Dispersion	Carbon Content 4218	Density	MD 100° Dim Stab	TD 100° Dim Stab	Puncture ASTM
4112956-4453	62.3	158	167	17.8	16.2	266	270	729	765	1	2.54	0.948	0.2	0.2	136
4112957-4453	63.4	160	167	18.6	16.4	266	286	740	819	1	2.58	0.948	-0.2	0.2	136
4112959-4453	62.7	159	167	18.5	16.4	263	276	726	780	1	2.58	0.948	-0.2	0.2	136
4112965-4453	65.7	158	165	17.5	15.9	274	263	742	762	1	2.55	0.949	-0.1	0.2	144
4112970-4453	62.6	157	166	17.8	16.3	243	285	720	821	1	2.46	0.948	-0.1	0.2	130
4112977-4453	63.3	162	168	17.8	16.5	259	275	709	771	1	2.39	0.948	-0.2	0.2	144
4112978-4453	63.4	162	168	17.4	16.0	259	275	709	771	1	2.35	0.948	0.2	0.2	139
4112980-4453	63.9	162	168	17.4	16.0	259	275	709	771	1	2.35	0.948	0.2	0.2	139
4112981-4453	63.2	164	169	17.4	16.0	291	311	770	889	1	2.35	0.948	0.2	0.1	139
4112982-4453	65.4	162	166	17.4	16.0	291	307	770	889	1	2.35	0.948	0.2	0.1	136
4112983-4453	63.3	162	166	17.9	16.1	294	307	808	911	1	2.66	0.949	0.2	0.1	136

e Allen
ality Control Manager

1-14-02
Date

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Serrot International, Inc.

01/10/2002

Extrusion Rod Certificate of Analysis

Customer: Handex of Florida, Inc.
Project Name: Hillsborough County Landfill
Project Number: 10448

Resin Type: HDPE
Bill of Lading: 153101

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218.
The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4206	0.084	0.935	

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Quality Control Manager

1-10-02
Date

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Serrot International, Inc.

01/22/2002

Resin Certificate of Analysis

Customer: Handex of Florida, Inc.

Resin Type: HDPE

Project Name: Hillsborough County Landfill

Bills of Lading: Remainder To Ship

Project Number: 10448

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218. The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4457	0.058	0.938	

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Quality Control Manager

1-22-02
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Geomembrane Certificate of Analysis

Customer: Handex of Florida, Inc.
Project Name: Hillsborough County Landfill
Project Number: 10448

Number of Rolls Shipped: 12
Nominal Thickness: 60 mils
Bill of Lading(s): Remainder To Ship

I certify the polyethylene geomembrane for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications listed below. Testing was performed at the given frequencies.

The raw polymeric material is first quality polyethylene resin.

A database listing of all test values follows.

Geomembrane Specifications

Property	Test Method	Minimum Specification	Frequency
Average Thickness	ASTM D 5994	57 mils	Every Roll
Stress @ Yield	ASTM D 638	126 ppi	Every 50,000 sf.
Strain @ Yield	ASTM D 638	12%	Every 50,000 sf.
Stress @ Break	ASTM D 638	90 ppi	Every 50,000 sf.
Strain @ Break	ASTM D 638	100%	Every 50,000 sf.
Carbon Black Dispersion	ASTM D 5596	1 or 2 Category	Every 50,000 sf.
Carbon Black Content	ASTM D 4218	2 - 3 %	Every 50,000 sf.
Density	ASTM D 1505	0.940 g/cm³	Every 100,000 sf.
Dimensional Stability 100° C	ASTM D 1204	± 2.0% max.	Once per Shift
Puncture Resistance	ASTM D 4833	90 lbs.	Every 50,000 sf.
Tear Resistance	ASTM D 1004	42 lbs.	Every 50,000 sf.

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Bills of Lading Remainder To Ship

Geomembrane Testing Results

	Avg Thickness	MD Stress at Yield	TD Stress at Yield	MD Strain at Yield	TD Strain at Yield	MD Stress at Break	TD Stress at Break	MD Strain at Break	TD Strain at Break	Carbon Dispersion	Carbon Content 4218	Density	MD 100° Dim Stab	TD 100° Dim Stab	Puncture ASTM
4113027-4457	66	166	163	15.2	15.0	187	161	446	371	1	2.51	0.947	-0.1	0.1	144
4113028-4457	64	166	163	15.2	15.0	187	161	446	371	1	2.51	0.946	-0.2	0.2	144
4113029-4457	64	166	163	15.2	15.0	187	161	446	371	1	2.51	0.946	-0.2	0.2	144
4113031-4457	63	166	163	15.2	15.0	187	161	446	371	1	2.51	0.946	-0.2	0.2	144
4113032-4457	62	176	176	17.4	14.7	221	169	551	406	1	2.51	0.946	-0.2	0.2	145
4113033-4457	62	174	175	15.2	14.6	168	159	303	328	1	2.51	0.943	-0.2	0.2	141
4113034-4457	62	174	175	15.2	14.6	168	159	303	328	1	2.51	0.943	-0.2	0.2	141
4113035-4457	65	174	175	15.2	14.6	168	159	303	328	1	2.51	0.943	-0.2	0.2	141
4113036-4457	66	174	175	15.2	14.6	168	159	303	328	1	2.67	0.943	-0.2	0.2	141
4113037-4457	62	172	171	15.2	14.3	168	146	303	309	1	2.43	0.943	-0.2	0.2	141
4113038-4457	64	172	171	15.2	14.3	168	146	303	309	1	2.43	0.943	-0.2	0.2	141
4113039-4457	65	172	171	15.2	14.3	168	146	303	309	1	2.43	0.943	-0.2	0.2	141

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Bills of Lading Remainder To Ship

GeomembraneTesting Results - Page 2

	MD Tear Resistance	TD Tear Resistance
4113027-4457	56	56
4113028-4457	56	55
4113029-4457	56	55
4113031-4457	56	55
4113032-4457	58	55
4113033-4457	56	55
4113034-4457	56	55
4113035-4457	56	55
4113036-4457	56	55
4113037-4457	55	55
4113038-4457	55	55
4113039-4457	55	55

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Resin Certificate of Analysis

Customer: Handex of Florida, Inc.

Resin Type: HDPE

Project Name: Hillsborough County Landfill

Bills of Lading: Remainder to Ship

Project Number: 10448

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218. The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4457	0.058	0.938	

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Geomembrane Certificate of Analysis

Customer: Taylor Geosynthetics
Project Name: Indianapolis, IN
Project Number:

Number of Rolls Shipped: 3
Nominal Thickness: 60 mils
Bill of Lading(s): Remainder to Ship

I certify the polyethylene geomembrane for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications listed below. Testing was performed at the given frequencies.

The raw polymeric material is first quality polyethylene resin.

A database listing of all test values follows.

Property	Test Method	Minimum Specification	Frequency
Average Thickness	ASTM D 5199	60 mil	Every Roll
Stress @ Yield	ASTM D 638	126 ppi	Every 50,000 sf.
Strain @ Yield	ASTM D 638	12%	Every 50,000 sf.
Stress @ Break	ASTM D 638	228 ppi	Every 50,000 sf.
Strain @ Break	ASTM D 638	700%	Every 50,000 sf.
Carbon Black Dispersion	ASTM D 5596	1 or 2 Category	Every 50,000 sf.
Carbon Black Content	ASTM D 4218	2 - 3%	Every 50,000 sf.
Density	ASTM D 1505	.940 g/cm³	Every 100,000 sf.
Dimensional Stability 100° C	ASTM D 1204	± 2.0% max.	Once per Shift
Puncture Resistance	ASTM D 4833	108 lbs	Every 50,000 sf.
Tear Resistance	ASTM D 1004	42 lbs	Every 50,000 sf.

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Bills of Lading Remainder to Ship

Geomembrane Testing Results

	Avg Thickness	MD Stress at Yield	TD Stress at Yield	MD Strain at Yield	TD Strain at Yield	MD Stress at Break	TD Stress at Break	MD Strain at Break	TD Strain at Break	Carbon Dispersion	Carbon Content 4218	Density	MD 100° Dim Stab	TD 100° Dim Stab	Puncture ASTM
4112986-4457	63.4	158	166	18.8	15.8	276	316	748	865	1	2.47	0.945	0.0	0.2	141
4113023-4457	63.7	157	151	16.6	16.2	285	296	752	799	1	2.53	0.947	-0.2	0.2	134
4113024-4457	64.8	160	151	16.6	19.5	299	296	821	799	1	2.63	0.948	-0.2	0.2	134

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GeomembraneTesting Results - Page 2

Bills of Lading Remainder to Ship

	MD Tear Resistance	TD Tear Resistance
4112986-4457	53	50
4113023-4457	53	51
4113024-4457	53	51

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Resin Certificate of Analysis

Customer: Handex of Florida, Inc.

Resin Type: HDPE

Project Name: Hillsborough County Landfill

Bills of Lading: 153176

Project Number: 10448

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218. The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4457	0.058	0.938	

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Geomembrane Certificate of Analysis

Customer:	Handex of Florida, Inc.	Number of Rolls Shipped:	12
Project Name:	Hillsborough County Landfill	Nominal Thickness:	60 mils
Project Number:	10448	Bill of Lading(s):	153176

I certify the polyethylene geomembrane for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications listed below. Testing was performed at the given frequencies.

The raw polymeric material is first quality polyethylene resin.

A database listing of all test values follows.

Property	Test Method	Minimum Specification	Frequency
Average Thickness	ASTM D 5199	60 mils	Every Roll
Stress @ Yield	ASTM D 638	126 ppi	Every 50,000 sf.
Strain @ Yield	ASTM D 638	12%	Every 50,000 sf.
Stress @ Break	ASTM D 638	228 ppi	Every 50,000 sf.
Strain @ Break	ASTM D 638	700%	Every 50,000 sf.
Carbon Black Dispersion	ASTM D 5596	1 or 2 Category	Every 50,000 sf.
Carbon Black Content	ASTM D 4218	2 - 3%	Every 50,000 sf.
Density	ASTM D 1505	.940 g/cm³	Every 50,000 sf.
Dimensional Stability 100° C	ASTM D 1204	± 2.0% max.	Once per Shift
Puncture Resistance	ASTM D 4833	108 lbs.	Every 50,000 sf.
Tear Resistance	ASTM D 1004	42 lbs.	Every 50,000 sf.

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Bills of Lading 153176

Geomembrane Testing Results

	Avg Thickness	MD Stress at Yield	TD Stress at Yield	MD Strain at Yield	TD Strain at Yield	MD Stress at Break	TD Stress at Break	MD Strain at Break	TD Strain at Break	Carbon Dispersion	Carbon Content 4218	Density	MD 100° Dim Stab	TD 100° Dim Stab	Puncture ASTM
4113011-4457	63.1	161	165	18.6	15.9	264	317	829	875	1	2.57	0.947	-0.2	0.2	139
4113012-4457	63.1	161	165	18.6	15.9	264	317	829	875	1	2.57	0.947	-0.2	0.2	139
4113013-4457	63.3	161	165	18.6	15.9	264	317	829	875	1	2.57	0.947	-0.2	0.2	139
4113014-4457	63.7	161	165	18.6	15.9	264	317	829	875	1	2.57	0.947	-0.2	0.2	139
4113015-4457	63.4	158	165	18.4	15.9	264	317	817	869	1	2.43	0.947	-0.2	0.2	139
4113016-4457	63.9	158	165	18.4	15.9	264	317	817	869	1	2.43	0.947	-0.2	0.2	139
4113017-4457	64.1	158	165	18.4	15.9	264	317	817	869	1	2.43	0.947	-0.2	0.2	139
4113018-4457	63.7	158	168	18.4	16.1	287	320	817	869	1	2.43	0.947	-0.1	0.2	140
4113019-4457	63.7	157	167	18.2	16.1	285	320	752	869	1	2.43	0.947	-0.2	0.2	137
4113020-4457	63.6	157	167	18.2	16.1	285	320	752	869	1	2.43	0.947	-0.2	0.2	137
4113021-4457	63.5	157	167	18.2	16.1	285	320	752	869	1	2.43	0.947	-0.2	0.2	137
4113022-4457	64.1	157	167	18.2	16.2	285	334	752	896	1	2.53	0.947	-0.2	0.2	137

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Bills of Lading 153176

GeomembraneTesting Results - Page 2

	MD Tear Resistance	TD Tear Resistance
4113011-4457	54	53
4113012-4457	54	53
4113013-4457	54	53
4113014-4457	54	53
4113015-4457	54	52
4113016-4457	54	52
4113017-4457	54	52
4113018-4457	54	52
4113019-4457	54	51
4113020-4457	54	51
4113021-4457	54	51
4113022-4457	55	51

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Geomembrane Certificate of Analysis

Customer:	Handex of Florida, Inc.	Number of Rolls Shipped:	12
Project Name:	Hillsborough County Landfill	Nominal Thickness:	60 mils
Project Number:	10448	Bill of Lading(s):	153177

I certify the polyethylene geomembrane for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications listed below. Testing was performed at the given frequencies.

The raw polymeric material is first quality polyethylene resin.

A database listing of all test values follows.

Property	Test Method	Minimum Specification	Frequency
Average Thickness	ASTM D 5199	60 mils	Every Roll
Stress @ Yield	ASTM D 638	126 ppi	Every 50,000 sf.
Strain @ Yield	ASTM D 638	12%	Every 50,000 sf.
Stress @ Break	ASTM D 638	228 ppi	Every 50,000 sf.
Strain @ Break	ASTM D 638	700%	Every 50,000 sf.
Carbon Black Dispersion	ASTM D 5596	1 or 2 Category	Every 50,000 sf.
Carbon Black Content	ASTM D 4218	2 - 3%	Every 50,000 sf.
Density	ASTM D 1505	.940 g/cm³	Every 50,000 sf.
Dimensional Stability 100° C	ASTM D 1204	± 2.0% max.	Once per Shift
Puncture Resistance	ASTM D 4833	108 lbs.	Every 50,000 sf.
Tear Resistance	ASTM D 1004	42 lbs.	Every 50,000 sf.

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Bills of Lading 153177

Geomembrane Testing Results

	Avg Thickness	MD Stress at Yield	TD Stress at Yield	MD Strain at Yield	TD Strain at Yield	MD Stress at Break	TD Stress at Break	MD Strain at Break	TD Strain at Break	Carbon Dispersion	Carbon Content 4218	Density	MD 100° Dim Stab	TD 100° Dim Stab	Puncture ASTM
4112996-4457	63.9	169	167	17.4	15.8	313	315	793	855	1	2.59	0.947	-0.1	0.1	147
4112997-4457	64.0	169	167	17.4	15.8	313	315	793	855	1	2.59	0.947	-0.1	0.1	147
4112998-4457	64.0	169	167	17.4	15.8	313	315	793	855	1	2.59	0.947	-0.1	0.1	147
4112999-4457	63.5	164	173	17.9	16.1	285	330	813	894	1	2.47	0.947	0.0	0.1	144
4113000-4457	63.9	164	173	17.9	16.1	285	330	813	894	1	2.47	0.947	0.0	0.1	144
4113004-4457	63.9	165	178	18.1	16.0	281	317	813	844	1	2.52	0.948	-0.2	0.2	136
4113005-4457	63.7	165	178	18.1	16.0	281	317	813	844	1	2.52	0.948	-0.2	0.2	136
4113006-4457	63.7	165	178	18.1	16.0	281	317	813	844	1	2.52	0.948	-0.2	0.2	136
4113007-4457	64.2	159	167	18.3	15.6	255	300	766	815	1	2.37	0.946	-0.2	0.2	136
4113008-4457	64.2	159	167	18.3	15.6	255	300	766	815	1	2.37	0.946	-0.2	0.2	136
4113009-4457	63.5	159	167	18.3	15.6	255	300	766	815	1	2.37	0.946	-0.2	0.2	136
4113010-4457	63.8	159	167	18.3	15.6	255	300	766	815	1	2.37	0.946	-0.2	0.2	136

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Bills of Lading 153177

GeomembraneTesting Results - Page 2

	MD Tear Resistance	TD Tear Resistance
4112996-4457	54	52
4112997-4457	54	52
4112998-4457	54	52
4112999-4457	55	54
4113000-4457	55	54
4113004-4457	55	52
4113005-4457	55	52
4113006-4457	55	52
4113007-4457	56	52
4113008-4457	56	52
4113009-4457	56	52
4113010-4457	56	52

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01/22/2002

Resin Certificate of Analysis

Customer: Handex of Florida, Inc.

Resin Type: HDPE

Project Name: Hillsborough County Landfill

Bills of Lading: 153178

Project Number: 10448

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218. The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4457	0.058	0.938	

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Geomembrane Certificate of Analysis

Customer:	Handex of Florida, Inc.	Number of Rolls Shipped:	12
Project Name:	Hillsborough County Landfill	Nominal Thickness:	60 mils
Project Number:	10448	Bill of Lading(s):	153178

I certify the polyethylene geomembrane for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications listed below. Testing was performed at the given frequencies.

The raw polymeric material is first quality polyethylene resin.

A database listing of all test values follows.

Property	Test Method	Minimum Specification	Frequency
Average Thickness	ASTM D 5199	60 mils	Every Roll
Stress @ Yield	ASTM D 638	126 ppi	Every 50,000 sf.
Strain @ Yield	ASTM D 638	12%	Every 50,000 sf.
Stress @ Break	ASTM D 638	228 ppi	Every 50,000 sf.
Strain @ Break	ASTM D 638	700%	Every 50,000 sf.
Carbon Black Dispersion	ASTM D 5596	1 or 2 Category	Every 50,000 sf.
Carbon Black Content	ASTM D 4218	2 - 3%	Every 50,000 sf.
Density	ASTM D 1505	.940 g/cm³	Every 50,000 sf.
Dimensional Stability 100° C	ASTM D 1204	± 2.0% max.	Once per Shift
Puncture Resistance	ASTM D 4833	108 lbs.	Every 50,000 sf.
Tear Resistance	ASTM D 1004	42 lbs.	Every 50,000 sf.

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Quality Control Manager

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Bills of Lading 153178

Geomembrane Testing Results

	Avg Thickness	MD Stress at Yield	TD Stress at Yield	MD Strain at Yield	TD Strain at Yield	MD Stress at Break	TD Stress at Break	MD Strain at Break	TD Strain at Break	Carbon Dispersion	Carbon Content 4218	Density	MD 100° Dim Stab	TD 100° Dim Stab	Puncture ASTM
4112987-4457	62.6	155	166	17.8	16.4	302	311	822	872	1	2.58	0.946	-0.1	0.1	135
4112988-4457	63.5	155	166	17.8	16.4	302	311	822	872	1	2.58	0.946	-0.1	0.1	135
4112989-4457	63.2	155	166	17.8	16.4	302	311	822	872	1	2.58	0.946	-0.1	0.1	135
4112990-4457	63.6	155	166	17.8	16.4	302	311	822	872	1	2.58	0.946	-0.1	0.1	135
4112991-4457	63.5	156	168	18.3	16.3	268	328	730	890	1	2.48	0.946	-0.1	0.1	144
4112992-4457	63.4	156	168	18.3	16.3	268	328	730	890	1	2.48	0.946	-0.1	0.1	144
4112993-4457	63.1	156	168	18.3	16.3	268	328	730	890	1	2.48	0.946	-0.1	0.1	144
4112994-4457	63.1	156	168	18.3	16.3	268	328	730	890	1	2.48	0.946	-0.1	0.1	144
4112995-4457	63.8	169	167	17.4	15.8	313	315	793	855	1	2.59	0.947	-0.1	0.1	147
4113001-4457	64.6	164	173	17.9	16.1	285	330	813	894	1	2.47	0.947	0.0	0.1	144
4113002-4457	64.4	164	173	17.9	16.1	285	330	813	894	1	2.47	0.947	0.0	0.1	144
4113003-4457	64.6	165	178	18.1	16.0	281	317	813	844	1	2.52	0.948	-0.2	0.2	136

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Bills of Lading 153178

GeomembraneTesting Results - Page 2

	MD Tear Resistance	TD Tear Resistance
4112987-4457	53	50
4112988-4457	53	50
4112989-4457	53	50
4112990-4457	53	50
4112991-4457	53	50
4112992-4457	53	50
4112993-4457	53	50
4112994-4457	53	50
4112995-4457	54	52
4113001-4457	55	54
4113002-4457	55	54
4113003-4457	55	52

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Serrot International, Inc.

01/22/2002

Extrusion Rod Certificate of Analysis

Customer:	Handex of Florida, Inc.	Resin Type:	HDPE
Project Name:	Hillsborough County Landfill	Bill of Lading:	153177
Project Number:	10448		

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218.
The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4206	0.084	0.935	

Jane Allen
Quality Control Manager

1-22-02
Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/23/2002

Resin Certificate of Analysis

Customer: Handex of Florida, Inc.

Resin Type: HDPE

Project Name: Hillsborough County Landfill

Bills of Lading: Remainder To Ship

Project Number: 10448

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218. The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4455	0.338	0.949	

Jane Allen
Quality Control Manager

1-23-02
Date

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rot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/23/2002

Tex-Net™ Certificate of Analysis

Customer: Handex of Florida, Inc.

Project Name: Hillsborough County Landfill

Project Number: 10448

Number of Rolls Shipped: 48

Product Code: SH3NTD1450861P

Bill of Lading: Remainder To Ship

I certify, the Tex-Net™ for the above identified shipment was manufactured using first quality Poly-Net™ geonet and a non-woven geotextile. The Poly-Net™ meets all of Serrot International, Inc.'s specifications for geonet. The geotextile has been certified by the manufacturer to meet all of their specifications for non-woven geotextiles.

TEX-NET

Thickness was measured according to ASTM D 5199, SII modified. Ply adhesion strength was measured according to ASTM D 413 (F 904), SII modified. Percent adhesion was determined by visual inspection. Mass per unit area was determined according to ASTM D 5261. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure.

OLY-NET

Thickness was measured according to ASTM D 5199. Tensiles were determined according to ASTM D 5035, SII modified. Mass per unit area was determined according to ASTM D 5261. Carbon black content was determined according to ASTM D 4218. Density was determined according to ASTM D 1505. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure. The standard transmissivity testing parameters for Poly-Net™ are: PN2000 - 2,000 psf/1.0 gradient, PN3000 - 15,000 psf/1.0 gradient, PN3000CN - 4,000 psf/1.0 gradient, and PN 5000 - 15,000 psf/1.0 gradient.

Jane Allen
Quality Control Manager

1-23-02
Date

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Serrot International, Inc.

01/18/2002

Tex-Net™ Testing Results

Bill of Lading: 153162 (18)

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043641-4455	648994A	649000A	2.2	3.2	94	94	0.3115	0.3143	0.2180	63.6	0.1758	2.53	0.959	0.438
4043642-4455	648994A	636459A	2.2	3.2	94	94	0.3115	0.3143	0.2180	63.6	0.1758	2.53	0.959	0.438
4043643-4455	648994A	636459A	2.2	3.2	94	94	0.3115	0.3143	0.2180	63.6	0.1758	2.53	0.959	0.438
4043644-4455	649002A	636459A	2.2	3.2	94	94	0.3115	0.3143	0.2180	63.6	0.1758	2.53	0.959	0.438
4043645-4455	649002A	636459A	2.2	3.2	94	94	0.3115	0.3143	0.2193	67.1	0.1813	2.58	0.959	0.438
4043646-4455	649002A	648985A	2.2	3.9	94	94	0.3231	0.3171	0.2174	66.3	0.1813	2.53	0.959	0.438
4043647-4455	649002A	648985A	2.2	3.4	94	94	0.3231	0.3113	0.2174	66.3	0.1813	2.53	0.959	0.438
4043648-4455	649002A	648985A	2.2	3.4	94	94	0.3231	0.3113	0.2174	66.3	0.1813	2.53	0.959	0.438
4043649-4455	648993A	648985A	2.2	3.4	94	94	0.3231	0.3113	0.2174	66.3	0.1813	2.53	0.959	0.438
4043650-4455	648993A	648985A	2.2	3.4	94	94	0.3231	0.3113	0.2174	66.3	0.1813	2.53	0.959	0.438
4043651-4455	648993A	636458A	2.2	3.4	94	94	0.3231	0.3113	0.2174	66.3	0.1813	2.53	0.959	0.438
4043652-4455	648993A	636458A	2.2	3.4	94	94	0.3231	0.3113	0.2174	66.3	0.1813	2.53	0.959	0.438
4043653-4455	648993A	636458A	2.2	3.4	94	94	0.3231	0.3113	0.2174	66.3	0.1838	2.53	0.959	0.438
4043654-4455	636448A	636458A	3.2	3.4	94	94	0.3311	0.3113	0.2174	66.3	0.1838	2.38	0.959	0.438
4043655-4455	636448A	636458A	3.2	3.4	94	94	0.3311	0.3113	0.2174	66.3	0.1838	2.38	0.959	0.438
4043656-4455	636448A	636485A	3.2	3.4	94	94	0.3311	0.3113	0.2174	66.3	0.1838	2.38	0.959	0.438
4043657-4455	636448A	636485A	3.2	3.4	94	94	0.3311	0.3113	0.2174	66.3	0.1838	2.38	0.959	0.438
4043658-4455	636448A	636485A	3.2	3.4	94	94	0.3311	0.3113	0.2174	66.3	0.1838	2.38	0.959	0.438

Jane Allen
Quality Control Manager

1-18-02
Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/18/2002

Tex-Net™ Testing Results

Bill of Lading: 153164

(16)

Roll Number	GeoTextile Numbers Top	GeoTextile Numbers Bottom	Ply Adhesion (ppi) Top	Ply Adhesion (ppi) Bot.	Percent Adhesion Top	Percent Adhesion Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043660-4455	636497A	636485A	3.2	3.4	94	94	0.3311	0.3113	0.2174	66.3	0.1838	2.38	0.959	0.438
4043661-4455	636497A	636510A	3.2	3.4	94	94	0.3311	0.3113	0.2189	69.2	0.1851	2.38	0.959	0.438
4043662-4455	636497A	636510A	3.2	4.1	94	94	0.3360	0.3198	0.2184	69.2	0.1839	2.38	0.959	0.438
4043663-4455	636497A	636510A	3.2	3.7	94	94	0.3267	0.3160	0.2184	69.2	0.1839	2.38	0.959	0.438
4043664-4455	636489A	636510A	3.2	3.7	94	94	0.3267	0.3160	0.2184	69.2	0.1839	2.38	0.959	0.438
4043665-4455	636489A	636510A	3.2	3.7	94	94	0.3267	0.3160	0.2184	69.2	0.1839	2.38	0.959	0.438
4043666-4455	636489A	636481A	3.2	3.7	94	94	0.3267	0.3160	0.2184	69.2	0.1839	2.38	0.959	0.438
4043667-4455	636489A	636481A	3.2	3.7	94	94	0.3267	0.3160	0.2184	69.2	0.1839	2.38	0.959	0.438
4043668-4455	636489A	636481A	3.2	3.7	94	94	0.3267	0.3160	0.2184	69.2	0.1839	2.38	0.959	0.438
4043669-4455	636447A	636481A	3.2	3.7	94	94	0.3267	0.3160	0.2184	72.7	0.1839	2.48	0.960	0.438
4043670-4455	636447A	636481A	3.3	3.7	94	94	0.3267	0.3160	0.2184	67.4	0.1837	2.38	0.960	0.438
4043671-4455	636447A	636454A	2.6	3.4	94	93	0.2999	0.3035	0.2184	67.4	0.1837	2.38	0.960	0.438
4043672-4455	636447A	636454A	2.6	3.4	94	93	0.2999	0.3035	0.2184	67.4	0.1837	2.38	0.960	0.438
4043673-4455	636447A	636645A	2.6	3.4	94	93	0.2999	0.3035	0.2184	67.4	0.1837	2.38	0.960	0.438
4043674-4455	636484A	636645A	2.6	3.4	94	93	0.2999	0.3035	0.2184	67.4	0.1837	2.38	0.960	0.438
4043675-4455	636484A	636454A	2.6	3.4	94	93	0.2999	0.3035	0.2184	67.4	0.1837	2.38	0.960	0.438
4043676-4455	636484A	636454A	2.6	3.4	94	93	0.2999	0.3035	0.2184	67.4	0.1837	2.38	0.960	0.438
4043677-4455	636484A	636457A	2.6	3.4	94	93	0.2999	0.3035	0.2200	67.4	0.1837	2.38	0.963	0.438

Jane Allen
Quality Control Manager

1-18-02
Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/23/2002

Tex-Net™ Testing Results

Bill of Lading: Remainder To Ship

Roll Number	GeoTextile Numbers Top	GeoTextile Numbers Bottom	Ply Adhesion (ppi) Top	Ply Adhesion (ppi) Bot.	Percent Adhesion Top	Percent Adhesion Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043702-4455	636452A	636486A	3.5	2.6	94	94	0.3201	0.3053	0.2203	66.4	0.1846	2.53	0.955	0.542
4043703-4455	636452A	636486A	4.6	3.4	94	94	0.3240	0.3079	0.2203	66.4	0.1846	2.53	0.955	0.542
4043712-4455	636452A	636486A	2.6	2.8	95	95	0.3224	0.3072	0.2118	58.5	0.1675	2.36	0.956	0.542
4043713-4455	636452A	636486A	2.6	2.8	95	95	0.3224	0.3072	0.2118	58.5	0.1675	2.36	0.956	0.542
4043714-4455	636452A	636486A	2.6	2.8	95	95	0.3224	0.3072	0.2118	58.5	0.1675	2.36	0.956	0.542
4043715-4455	619767A	990061	2.6	2.8	95	95	0.3224	0.3072	0.2118	58.5	0.1675	2.36	0.956	0.542
4043716-4455	619767A	990061	2.6	2.8	95	95	0.3224	0.3072	0.2118	58.5	0.1675	2.36	0.956	0.542
4043717-4455	619767A	990061	2.6	2.8	95	95	0.3224	0.3072	0.2241	67.6	0.1868	2.56	0.957	0.542
4043718-4455	649006A	990004	4.2	3.0	95	96	0.3341	0.3229	0.2241	65.9	0.1868	2.52	0.957	0.542
4043719-4455	649006A	990004	2.7	3.0	95	95	0.3160	0.3129	0.2241	65.9	0.1868	2.52	0.957	0.542
4043720-4455	649006A	990004	2.7	3.0	95	95	0.3160	0.3129	0.2241	65.9	0.1868	2.52	0.957	0.542
4043721-4455	649006A	990061	2.7	3.0	95	95	0.3160	0.3129	0.2241	65.9	0.1868	2.52	0.957	0.542
4043722-4455	649006A	990061	2.7	3.0	95	95	0.3160	0.3129	0.2241	65.9	0.1868	2.52	0.957	0.542
4043723-4455	990051	990061	2.7	3.0	95	95	0.3160	0.3129	0.2241	65.9	0.1868	2.52	0.957	0.542
4043724-4455	990051	990061	2.7	3.0	95	95	0.3160	0.3129	0.2241	65.9	0.1868	2.52	0.957	0.542
4043725-4455	990051	990061	2.7	3.0	95	95	0.3160	0.3129	0.2247	65.9	0.1872	2.52	0.957	0.542
4043726-4455	990051	648998A	2.7	3.0	95	95	0.3160	0.3129	0.2233	64.1	0.1872	2.52	0.956	0.542
4043727-4455	636513A	648998A	2.7	2.8	95	95	0.3160	0.3129	0.2233	64.1	0.1872	2.52	0.956	0.542

TR1 #28

Jane Allen
Quality Control Manager

1-23-02
Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/23/2002

Tex-Net™ Testing Results

Bill of Lading: Remainder To Ship

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)	
4043728-4455	636513A	648998A	2.7	2.8	95	95	0.3160	0.3129	0.2233	64.1	0.1872	2.52	0.956	0.542	
4043729-4455	636513A	648998A	2.7	2.8	95	95	0.3160	0.3129	0.2233	64.1	0.1872	2.52	0.956	0.542	TR1 #27
4043730-4455	636513A	648998A	2.7	2.8	95	95	0.3160	0.3129	0.2233	64.1	0.1872	2.52	0.956	0.542	
4043731-4455	6316513A	623800A	2.7	2.8	95	95	0.3160	0.3129	0.2233	64.1	0.1872	2.52	0.956	0.542	
4043732-4455	649007A	623800A	2.7	2.8	95	95	0.3160	0.3129	0.2233	64.1	0.1872	2.52	0.956	0.542	
4043733-4455	649007A	623800A	2.7	2.8	95	95	0.3160	0.3129	0.2233	64.1	0.1884	2.64	0.956	0.542	
4043734-4455	649007A	623800A	2.8	2.8	95	95	0.3170	0.3154	0.2233	64.1	0.1862	2.64	0.956	0.542	
4043735-4455	649007A	623800A	2.8	2.8	95	95	0.3170	0.3136	0.2233	64.1	0.1862	2.64	0.956	0.542	
4043736-4455	622851A	6489987A	2.8	2.8	95	95	0.3170	0.3136	0.2233	64.1	0.1862	2.64	0.956	0.542	
4043737-4455	622851A	648997A	2.8	2.8	95	95	0.3170	0.3136	0.2233	64.1	0.1862	2.64	0.956	0.542	
4043738-4455	622851A	648997A	2.8	2.8	95	95	0.3170	0.3136	0.2233	64.1	0.1862	2.64	0.956	0.542	
4043739-4455	622851A	648997A	2.8	2.8	95	95	0.3170	0.3136	0.2233	64.1	0.1862	2.64	0.956	0.542	
4043740-4455	622851A	648997A	2.8	2.8	95	95	0.3170	0.3136	0.2233	64.1	0.1862	2.64	0.956	0.542	
4043741-4455	649003A	636487A	2.8	2.8	95	95	0.3170	0.3136	0.2234	67.4	0.1862	2.71	0.956	0.542	
4043742-4455	649003A	636487A	3.4	3.1	96	95	0.3190	0.3136	0.2219	63.8	0.1862	2.23	0.956	0.542	
4043743-4455	649003A	636487A	3.3	2.8	95	95	0.3176	0.3129	0.2219	63.8	0.1862	2.23	0.956	0.542	
4043744-4455	649003A	636487A	3.3	2.8	95	95	0.3176	0.3129	0.2219	63.8	0.1862	2.23	0.956	0.542	TR1 #22
4043745-4455	636498A	636487A	3.3	2.8	95	95	0.3176	0.3129	0.2219	63.8	0.1862	2.23	0.956	0.542	

Jane Allen
Quality Control Manager

1-23-02
Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/23/2002

Tex-Net™ Testing Results

Bill of Lading: Remainder To Ship

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10⁻³)
4043746-4455	636498A	648996A	3.3	2.8	95	95	0.3176	0.3129	0.2219	63.8	0.1862	2.23	0.956	0.542
4043747-4455	636489A	648996A	3.3	2.8	95	95	0.3176	0.3129	0.2219	63.8	0.1862	2.23	0.956	0.542
4043748-4455	636498A	648996A	3.3	2.8	95	95	0.3176	0.3129	0.2219	63.8	0.1862	2.23	0.956	0.542
4043749-4455	636498A	648996A	3.3	2.8	95	95	0.3176	0.3129	0.2219	63.8	0.1883	2.23	0.958	0.542
4043750-4455	636498A	648996A	3.3	2.8	95	95	0.3176	0.3129	0.2122	63.8	0.1735	2.17	0.958	0.7
4043751-4455	649005A	648992A	2.2	2.8	92	95	0.3171	0.3129	0.2122	63.8	0.1735	2.17	0.958	0.567
4043752-4455	649005A	648992A	2.2	2.8	92	95	0.3171	0.3129	0.2122	63.8	0.1735	2.17	0.958	0.567
4043753-4455	649005A	684992A	2.2	2.8	92	95	0.3171	0.3129	0.2122	63.8	0.1735	2.17	0.958	0.567
4043754-4455	649005A	648992A	2.2	2.8	92	95	0.3171	0.3129	0.2122	63.8	0.1735	2.17	0.958	0.567
4043755-4455	649009A	648999A	2.2	2.8	92	95	0.3171	0.3129	0.2122	63.8	0.1735	2.17	0.958	0.567
4043756-4455	649009A	648999A	2.2	2.8	92	95	0.3171	0.3129	0.2122	63.8	0.1735	2.17	0.958	0.567
4043757-4455	649009A	648999A	2.2	2.8	92	95	0.3171	0.3231	0.2122	63.8	0.1735	2.17	0.958	0.567

Jane Allen
Quality Control Manager

Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Synthetic In[illegible]s

Individual Roll Data
Bill of Lading 990051

Roll #	Style	Batch	Weight	Thick	Tensile		Elongation		T.Tear		Burst	Punct
					MD	XMD	MD	XMD	MD	XMD		
			Osy	mils	lbs	lbs	%	%	lbs	lbs	psi	lbs
			D5261	D5199	D4632	D4632	D4632	D4632	D4533	D4533	D3786	D4833
990010	861	SERROT	9.1	121	283	261	70	79	122	140	484	146
990015	651	SERROT	6.8	99	175	226	79	61	81	89	411	111
990024	1001	SERROT	8.8	107	288	250	65	74	107	150	521	164
990025	1001	SERROT	9	103	279	275	78	65	104	111	500	165
990050	861	SERROT	8.3	100	233	309	87	60	96	175	480	170
990051	861	SERROT	9.7	116	297	253	68	73	131	150	500	144
990055	1001	SERROT	8.6	104	266	257	75	63	109	128	533	173
990059	801	SERROT	8.5	105	293	223	60	70	93	116	484	146
990061	861	SERROT	8.2	102	284	229	71	77	103	113	503	143
990251	1001	SERROT	8.8	101	292	267	80	67	111	132	489	150
990252	861	SERROT	8.9	108	309	291	86	66	99	146	530	158
990253	861	SERROT	8.5	103	292	253	79	64	99	117	504	172
990254	801	SERROT	9.2	105	274	269	78	67	94	148	507	176
990255	701	SERROT	9.3	99	256	351	94	63	83	162	524	166
990256	861	SERROT	8.7	108	239	314	95	60	109	185	487	183
990257	1001	SERROT	9.6	111	317	299	84	66	108	161	539	163
990258	601	SERROT	5.6	72	189	170	78	58	78	77	307	110
990259	801	SERROT	8.9	100	238	323	96	62	88	179	447	163
990260	601	SERROT	6.2	89	187	202	81	61	77	99	327	121
990261	701	SERROT	5.9	78	213	182	79	62	85	92	333	106
990262	1001	SERROT	8.9	111	311	272	75	63	119	142	497	155
990263	701	SERROT	8.7	95	205	192	77	65	79	119	387	127
990264	861	SERROT	9.4	115	246	299	99	58	98	133	439	176

TOTAL P.02

BOTTOM GEOTEXTILE
COMPOSITE ROLL
404 3717 4455
TRI # 28

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

'rrot International, Inc.

01/23/2002

Resin Certificate of Analysis

Customer: Handex of Florida, Inc.

Resin Type: HDPE

Project Name: Hillsborough County Landfill

Bills of Lading: 153182

Project Number: 10448

I certify, the polyethylene resin for the above identified shipment meets or exceeds Serrot International, Inc.'s specifications. Testing was performed on each resin blend.

Melt flow index was determined according to ASTM D 1238. Density was determined according to ASTM D 1505. Where appropriate, carbon black was determined according to ASTM D 4218. The average test results are listed below.

RESIN PROPERTIES

Blend Number	Melt Flow Index (g/10 min)	Density (g/cm^3)	Carbon Black Cont. (%)
4455	0.338	0.949	

Jane Allen
Quality Control Manager

1-23-02
Date

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rrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/23/2002

Tex-Net™ Certificate of Analysis

Customer: Handex of Florida, Inc.

Number of Rolls Shipped: 18

Project Name: Hillsborough County Landfill

Product Code: SH3NTD1450861P

Project Number: 10448

Bill of Lading: 153182

I certify, the Tex-Net™ for the above identified shipment was manufactured using first quality Poly-Net™ geonet and a non-woven geotextile. The Poly-Net™ meets all of Serrot International, Inc.'s specifications for geonet. The geotextile has been certified by the manufacturer to meet all of their specifications for non-woven geotextiles.

TEX-NET

Thickness was measured according to ASTM D 5199, SII modified. Ply adhesion strength was measured according to ASTM D 413 (F 904), SII modified. Percent adhesion was determined by visual inspection. Mass per unit area was determined according to ASTM D 5261. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure.

OLY-NET

Thickness was measured according to ASTM D 5199. Tensiles were determined according to ASTM D 5035, SII modified. Mass per unit area was determined according to ASTM D 5261. Carbon black content was determined according to ASTM D 4218. Density was determined according to ASTM D 1505. Transmissivity was determined according to ASTM D 4716, SII modified. Transmissivity is measured in the machine direction between two steel plates one hour after application of the confining pressure. The standard transmissivity testing parameters for Poly-Net™ are: PN2000 - 2,000 psf/1.0 gradient, PN3000 - 15,000 psf/1.0 gradient, PN3000CN - 4,000 psf/1.0 gradient, and PN 5000 - 15,000 psf/1.0 gradient.

Jane Allen
Quality Control Manager

1-23-02
Date

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Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

Serrot International, Inc.

01/23/2002

Tex-Net™ Testing Results

Bill of Lading: 153182

Roll Number	GeoTextile Numbers Top	Bottom	Ply Adhesion (ppi) Top	Bot.	Percent Adhesion Top	Bot.	Thickness (inches)	Mass Per Unit Area (lbs/ft²)	Avg Net Thickness (inches)	MD Net Tensile (ppi)	Base Net Mass Per Unit Area (lbs/ft²)	Net Carbon Black (%)	Net Density (g/cm³)	TexNet Trans (m²/sec x 10-³)	
4043659-4455	636497A	636485A	3.2	3.4	94	94	0.3311	0.3113	0.2174	66.3	0.1838	2.38	0.959	0.438	
4043678-4455	636484A	636457A	2.6	3.4	94	93	0.2999	0.3035	0.2182	67.4	0.1812	2.38	0.962	0.438	
4043679-4455	636479A	636457A	2.6	3.4	94	93	0.2999	0.3035	0.2182	67.4	0.1812	2.38	0.962	0.438	
4043680-4455	636479A	636457A	2.6	3.4	94	93	0.2999	0.3035	0.2182	67.4	0.1812	2.38	0.962	0.438	
4043681-4455	636479A	636457A	2.6	3.4	94	93	0.2999	0.3035	0.2182	67.4	0.1812	2.38	0.962	0.438	
4043682-4455	636479A	636449A	2.6	3.4	94	93	0.2999	0.3035	0.2182	67.4	0.1812	2.38	0.962	0.438	
4043683-4455	636479A	636449A	2.6	3.4	94	93	0.2999	0.3035	0.2182	67.4	0.1812	2.38	0.962	0.438	
4043684-4455	636463A	636449A	2.6	3.4	94	93	0.2999	0.3035	0.2182	67.4	0.1812	2.38	0.962	0.438	
4043685-4455	636463A	636449A	2.6	3.4	94	93	0.2999	0.3035	0.2182	72.0	0.1812	2.53	0.962	0.438	TRI TEST #26
4043686-4455	636463A	636449A	3.0	4.0	94	94	0.3207	0.3121	0.2182	72.0	0.1807	2.53	0.962	0.438	
4043687-4455	636463A	636486A	3.0	3.5	94	94	0.3073	0.3121	0.2182	72.0	0.1807	2.53	0.962	0.438	
4043688-4455	636463A	636486A	3.0	3.5	94	94	0.3073	0.3121	0.2182	72.0	0.1807	2.53	0.962	0.438	
4043689-4455	636452A	636486A	3.5	3.5	94	94	0.3073	0.3189	0.2182	72.0	0.1807	2.53	0.962	0.438	
4043695-4455	649004A	648995A	3.5	2.6	94	94	0.3201	0.3053	0.2137	66.4	0.1720	2.53	0.955	0.566	
4043696-4455	649004A	648995A	3.5	2.6	94	94	0.3201	0.3053	0.2137	66.4	0.1720	2.53	0.955	0.542	
4043697-4455	649004A	648995A	3.5	2.6	94	94	0.3201	0.3053	0.2137	66.4	0.1720	2.53	0.955	0.542	
4043698-4455	649004A	648995A	3.5	2.6	94	94	0.3201	0.3053	0.2137	66.4	0.1720	2.53	0.955	0.542	
4043699-4455	649004A	648995A	3.5	2.6	94	94	0.3201	0.3053	0.2137	66.4	0.1720	2.53	0.955	0.542	

Jane Allen
Quality Control Manager

1-23-02
Date

This Certification of Analysis shall not be reproduced except in full, without the written approval of the laboratory.
Serrot International, Inc. 320 Innovation Way - Wellford, SC - 29385

SI Geosolutions

1/16/2002

Serrot International SC
Jane Allen

320 Innovation Way
Wellford SC 29385
BOL 80145797 PO 2562001
Ref:

This is to certify that Product GEOTEX 861L , a nonwoven polypropylene geotextile producerd by S I Corporation, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

Physical Property	Test Method	US Units		SI Unit	
Mass Per Unit Area	ASTM D-5261	8.0	oz/yd2	(271.2)	g/m2
Thickness	ASTM D-5199	90	mils	(2.286)	mm
Tensile Strength	ASTM D-4632	220	lbs	(979)	N
Elongation	ASTM D-4632	60	%	60	%
Trapezoidal Tear	ASTM D-4533	95	lbs	(422.75)	N
Mullen Burst	ASTM D-3786	420	psi	(2896.4	kPa
Puncture Strength	ASTM D-4833	135	lbs	(600.75)	N
AOS	ASTM D 4751	80	Sieve	0.18	mm
Permittivity	ASTM D-4491	1.5	sec-1	1.5	sec-1
Permeability	ASTM D-4491	0.38	cm/sec	0.38	cm/sec
Water Flow Rate	ASTM D-4491	110	gpm/ft2	(4481.917	lpm/m2
UV Resistance	ASTM D-4355	70	%	70	%

Strength Retained after 500 hours exposure to Xenon Arc Weatherometer

Sincerely

John D. Cannon, P.E.
Regional Engineer
SI Geosolutions

Seller makes no warranty express or implied concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specification stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND TO THE EXTENT THAT IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses of products or said products are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet S I Corporation current published specifications, and the Customer gives notice to S I Corporation before installing the product, then S I Corporation will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this present sheet is

1/23/2001

6025 Lee Highway, Suite 435 • Chattanooga, TN 37421
Ph: 423-899-0444 • Fax: 423-899-7019

Roll#	Style	Batch	Thick	Weight	MD Tensile	XMD	MD Elongation	XMD	MD Trap Tear	XMD	Punct	Burst
BOL# 'S			D5199	D5261	D4632	D4632	D4632	D4632	D4533	D4533	D4833	D3786
	80145797		mils	oz/yd2	lbs	lbs	%	%	lbs	lbs	lbs	psi
A648981A	861L	60975	113	9.14	241	287	65	67	109	152	146	459
A648984A	861L	60975	113	8.80	257	299	72	61	120	123	150	501
A648989A	861L	60975	114	8.91	245	308	71	61	126	148	145	459

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence, test results listed above may include data from rolls which were not shipped and rolls listed may or may not be the actual rolls tested. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

JAN-22-2002 12:40 S I CORP 1423 553 2108 P.02

SI Geosolutions

1/16/2002

rot International SC
Jane Allen

320 Innovation Way
Wellford SC 29385
BOL 80146270 PO 256200I
Ref:

This is to certify that Product GEOTEX 861L , a nonwoven polypropylene geotextile produced by S I Corporation, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

Physical Property	Test Method	US Units		SI Unit	
Mass Per Unit Area	ASTM D-5261	8.0	oz/yd2	(271.2)	g/m2
Thickness	ASTM D-5199	90	mils	(2.286)	mm
Tensile Strength	ASTM D-4632	220	lbs	(979)	N
Elongation	ASTM D-4632	60	%	60	%
Trapezoidal Tear	ASTM D-4533	95	lbs	(422.75)	N
Mullen Burst	ASTM D-3786	420	psi	(2895.4	kPa
Puncture Strength	ASTM D-4833	135	lbs	(600.75)	N
O.S.	ASTM D-4751	80	Sieve	0.18	mm
rmittivity	ASTM D-4491	1.5	sec-1	1.5	sec-1
ermeability	ASTM D-4491	0.38	cm/sec	0.38	cm/sec
Water Flow Rate	ASTM D-4491	110	gpm/ft2	(4481.917	lpm/m2
UV Resistance	ASTM D-4355	70	%	70	%

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely

John D. Cannon, P.E.
Regional Engineer
SI Geosolutions

Seller makes no warranty express or implied concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specification stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND TO THE EXTENT THAT IF IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet S I Corporation current published specifications, and the Customer gives notice to S I Corporation before installing the product then S I Corporation will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is

1/23/2001

SI Corp[illegible]on
Individu[illegible] Data
Bill of Lading 80146270

Roll #	Style	Batch	Weight	Thick	Tensile		Elongation		T.Tear		Burst	Punct
					MD	XMD	MD	XMD	MD	XMD		
			Osy	mils	lbs	lbs	%	%	lbs	lbs	psi	lbs
			D5261	D5199	D4632	D4632	D4632	D4632	D4533	D4533	D3786	D4833
A636447A	861L	60913	8.2	106	235	285	66	68	100	141	486	151
A636479A	861L	60913	8.7	111	258	306	60	70	98	131	497	167
A636485A	861L	60913	8.6	113	255	294	70	66	132	135	490	161
A636510A	861L	60913	8.5	111	235	292	67	67	99	119	506	155

6364[illegible]3A, 636449A

636487 ok

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped and rolls listed may or may not be the actual rolls tested. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

JAN-22-2002 12:41 S I CORP 1423 553 2108 P.06

SI Geosolutions

1/16/2002

ot International SC
Jane Allen

320 Innovation Way
Wellford SC 29385
BOL 80146088 PO 256200I
Ref:

This is to certify that Product GEOTEX 861L , a nonwoven polypropylene geotextile produced by S I Corporation, will meet the following certifiable minimum average values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

Physical Property	Test Method	US Units		SI Unit	
Mass Per Unit Area	ASTM D-5261	8.0	oz/yd2	(271.2)	g/m2
Thickness	ASTM D-5199	90	mils	(2.286)	mm
Tensile Strength	ASTM D-4632	220	lbs	(979)	N
Elongation	ASTM D-4632	60	%	60	%
Trapezoidal Tear	ASTM D-4533	95	lbs	(422.75)	N
Mullen Burst	ASTM D-3786	420	psi	(2895.4	kPa
Puncture Strength	ASTM D-4833	135	lbs	(600.75)	N
A.O.S.	ASTM D-4751	80	Sieve	0.18	mm
rmittivity	ASTM D-4491	1.5	sec-1	1.5	sec-1
meability	ASTM D-4491	0.38	cm/sec	0.38	cm/sec
Water Flow Rate	ASTM D-4491	110	gpm/ft2	(4481.917	lpm/m2
UV Resistance	ASTM D-4355	70	%	70	%

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely,

John D. Cannon, P.E.
Regional Engineer
SI Geosolutions

Seller makes no warranty express or implied concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specification stated herein. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED AND TO THE EXTENT THAT IF IT IS CONTRARY TO THE FOREGOING SENTENCE ANY IMPLIED WARRANTY OF MERCHANTABILITY IS EXPRESSLY EXCLUDED. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet S I Corporation current published specifications, and the Customer gives notice to S I Corporation before installing the product, then S I Corporation will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product data is

1/23/2001

6025 Lee Highway, Suite 435 • Chattanooga, TN 37421
Ph: 423-899-0444 • Fax: 423-899-7619

SI Corporation
Individual Roll Data
Bill of Lading 80146088

Roll #	Style	Batch	Weight	Thick	Tensile		Elongation		T.Tear		Burst	Punct
					MD	XMD	MD	XMD	MD	XMD		
			Osy	mils	lbs	lbs	%	%	lbs	lbs	psi	lbs
			D5261	D5199	D4632	D4632	D4632	D4632	D4533	D4533	D3786	D4833
A636459A	861L	60913	8	105	235	255	62	67	118	156	487	153
A636464A	861L	60913	9.6	123	264	305	64	68	116	206	567	171
A636498A	861L	60913	8.6	118	275	301	67	68	143	159	487	160

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped and rolls listed may or may not be the actual rolls tested. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

JAN-22-2002 12:41 S I CORP 1423 553 2108 P.08

SI Geosolutions

1/16/2002

ot International SC
ane Allen

320 Innovation Way
Wellford SC 29385
BOL 80145796 PO 25620OI
Ref:

This is to certify that Product GEOTEX 861L , a nonwoven polypropylene geotextile produced by S I Corporation, will meet the following certifiable-minimum-average-values when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

Physical Property	Test Method	US Units		SI Unit	
Mass Per Unit Area	ASTM D-5261	8.0	oz/yd2	(271.2)	g/m2
Thickness	ASTM D-5199	90	mils	(2.286)	mm
Tensile Strength	ASTM D-4632	220	lbs	(979)	N
Elongation	ASTM D-4632	60	%	60	%
Trapezoidal Tear	ASTM D-4533	95	lbs	(422.75)	N
Mullen Burst	ASTM D-3786	420	psi	(2895.4	kPa
Puncture Strength	ASTM D-4833	135	lbs	(600.75)	N
O.S.	ASTM D-4751	80	Sieve	0.18	mm
rmittivity	ASTM D-4491	1.5	sec-1	1.5	sec-1
rmeability	ASTM D-4491	0.38	cm/sec	0.38	cm/sec
Water Flow Rate	ASTM D-4491	110	gpm/ft2	(4481.917	lpm/m2
UV Resistance	ASTM D-4355	70	%	70	%

Strength Retained after 500 hours exposure in Xenon Arc Weatherometer

Sincerely

John D. Cannon, P.E.
Regional Engineer
SI Geosolutions

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1/23/2001

SI Corporation
Individual Roll Data
Bill of Lading 80145796

Roll #	Style	Batch	Weight	Thick	Tensile		Elongation		T.Tear		Burst	Punct
					MD	XMD	MD	XMD	MD	XMD		
			Osy	mils	lbs	lbs	%	%	lbs	lbs	psi	lbs
			D5261	D5199	D4632	D4632	D4632	D4632	D4533	D4533	D3786	D4833
A533757A	861L	51614	9	102	236	311	70	62	118	183	530	148
A636476A	861L	60913	8.4	110	274	282	65	63	163	174	517	162

Synthetic Industries' current standard manufacturing quality control (MQC) testing frequency for GEOTEX nonwoven geotextiles is one (1) test per 90,000 sf (8,360 sm) for index properties (mass per unit area, thickness, grab tensile and elongation, trapezoidal tear, mullen burst and puncture resistance) for styles heavier than 601 and one (1) test per 162,000 sf (15,000 sm) for index properties for style 601 and lighter. Although we strive to test our nonwoven geotextiles for apparent opening size (AOS) and Permittivity/permeability/water flow rate approximately once every 540,000 sf (50,160 sm), the actual frequency of testing for performance properties will vary depending upon production schedules, product availability, customer requirements, job specifications or other agreements arranged with Synthetic Industries prior to the time of purchase. If additional testing is needed to meet higher frequencies required by the project specifications, it is the purchaser's responsibility to notify Synthetic Industries and ask for assistance in calculating the costs for the additional tests.

Once rolls of nonwoven geotextiles are produced, inspected and the test results from the frequency stated above indicates that materials produced during the production run meets our published minimum average roll values, approved rolls are shipped for storage until an order requires the material to be shipped. Since rolls are loaded at the warehouse independent of production sequence test results listed above may include data from rolls which were not shipped and rolls listed may or may not be the actual rolls tested. However, the data provided is from the same production run as the rolls actually shipped on this bill of lading.

JAN-22-2002 12:42 S I CORP 1423 553 2108 P.10

ATTACHMENT F

GEOSYNTHETIC CONFORMANCE TEST REPORTS

HDPE CONFORMANCE

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers #1
Project: Southeast Landfill

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112927
TRI Log #: E2160-95-03
Conformance Test #1

JAN 1/14/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.49	2.47									2.48	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.944	0.944	0.944								0.944	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	63	62	63	60	63	60	62	63	62	62	64	2
	64	64	62	60	61	67	66	68	68	66	60	<< min.
	66	65	67	64	62							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	174	179	181	177	177						178	2
TD Yield Strength (ppi)	175	176	177	177	178						177	1
MD Break Strength (ppi)	315	318	308	324	261						305	23
TD Break Strength (ppi)	301	304	294	309	270						296	14
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	16	18	18	18	18						18	1
MD Break Elongation (%)	826	810	771	831	686						785	54
TD Break Elongation (%)	843	850	833	863	785						835	27

MD Machine Direction
TD Transverse Direction

The testing herein is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill #2

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112935
TRI Log #: E2160-95-03
Conformance Test #2

JAN 1/14/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.55	2.57									2.56	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.944	0.944	0.944								0.944	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	67	66	67	66	65	64	64	68	65	65	64	2
	60	62	63	61	62	60	62	63	62	60	60	<< min.
	66	63	67	62	65							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	180	174	171	175	177						175	3
TD Yield Strength (ppi)	181	181	180	181	182						181	1
MD Break Strength (ppi)	310	306	302	299	287						301	8
TD Break Strength (ppi)	332	323	336	345	333						334	7
MD Yield Elongation (%)	18	18	20	18	19						19	1
TD Yield Elongation (%)	18	18	18	18	18						18	0
MD Break Elongation (%)	790	808	809	784	750						788	21
TD Break Elongation (%)	896	875	909	945	918						909	23

MD Machine Direction
TD Transverse Direction

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TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

#3

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112931
TRI Log #: E2160-95-03
CONFORMANCE TEST #3

JAW 1/14/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.68	2.59									2.64	0.05
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.944	0.944	0.944								0.944	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	67	67	67	66	64	66	65	66	63	64	63	2
	61	62	63	62	64	65	61	62	61	61	60	<< min.
	61	62	61	62	60							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	178	166	177	179	170						174	5
TD Yield Strength (ppi)	186	180	186	187	187						185	3
MD Break Strength (ppi)	313	284	334	311	296						308	17
TD Break Strength (ppi)	321	314	345	334	334						330	11
MD Yield Elongation (%)	17	17	19	18	17						18	1
TD Yield Elongation (%)	16	16	17	19	16						17	1
MD Break Elongation (%)	784	774	844	790	779						794	25
TD Break Elongation (%)	851	863	921	894	883						882	25

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

#8

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112980
TRI Log #: E2160-98-02
Conformance Test #8

JAN 1/16/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.53	2.60									2.57	0.03
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.945	0.945	0.946								0.945	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	68	69	67	65	67	61	59	61	62	61	63	3
	62	61	61	61	63	62	61	60	60	60	59	<< min.
	65	64	66	68	65							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	154	147	149	150	153						151	3
TD Yield Strength (ppi)	160	161	159	161	159						160	1
MD Break Strength (ppi)	273	290	258	263	281						273	12
TD Break Strength (ppi)	289	291	269	282	276						281	8
MD Yield Elongation (%)	19	21	19	21	19						20	1
TD Yield Elongation (%)	18	18	18	18	18						18	0
MD Break Elongation (%)	804	884	773	796	824						816	38
TD Break Elongation (%)	894	900	840	875	858						873	22

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

#9

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112976
TRI Log #: E2160-98-02
Conformance Test #9

JAN 1/16/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.45	2.50									2.48	0.03
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.945	0.945	0.945								0.945	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	67	70	67	66	67	59	63	65	62	59	64	3
	61	61	63	61	59	62	60	63	65	65	59	<< min.
	64	67	66	66	66							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	155	153	149	151	153						152	2
TD Yield Strength (ppi)	166	157	160	167	163						163	4
MD Break Strength (ppi)	189	262	234	264	297						249	36
TD Break Strength (ppi)	267	297	278	309	292						289	15
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	17	17	17	17	16						17	0
MD Break Elongation (%)	581	786	720	785	876						750	98
TD Break Elongation (%)	811	941	871	946	898						894	50

MD Machine Direction
TD Transverse Direction

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A Texas Research International Company

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill #10

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112972
TRI Log #: E2160-98-02
CONFORMANCE TEST #10

JAN 1/16/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.52	2.51									2.52	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.945	0.945	0.945								0.945	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	63	62	69	70	68	64	64	64	64	66	64	3
	61	60	61	61	64	59	59	59	62	60	59	<< min.
	68	67	66	68	67							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	153	150	156	151	155						153	2
TD Yield Strength (ppi)	158	158	156	155	157						157	1
MD Break Strength (ppi)	272	290	291	242	256						270	19
TD Break Strength (ppi)	260	240	282	273	281						267	16
MD Yield Elongation (%)	19	21	21	19	20						20	1
TD Yield Elongation (%)	18	18	18	18	18						18	0
MD Break Elongation (%)	813	873	849	750	766						810	47
TD Break Elongation (%)	834	778	905	875	900						858	48

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers #11
Project: Southeast Landfill

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112968
TRI Log #: E2160-98-02
Conformance Test #11

JAN 1/16/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.55	2.53									2.54	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.945	0.945	0.945								0.945	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	67	66	70	69	71	67	66	63	60	60	64	4
	60	61	60	61	60	60	61	62	60	61	60	<< min.
	68	64	64	65	66							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	155	151	158	159	151						155	3
TD Yield Strength (ppi)	173	167	172	173	172						171	2
MD Break Strength (ppi)	252	264	279	289	285						274	14
TD Break Strength (ppi)	300	309	313	329	309						312	10
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	18	18	16	16	16						17	1
MD Break Elongation (%)	738	793	796	824	843						799	36
TD Break Elongation (%)	855	910	901	941	881						898	29

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers #12
Project: Southeast Landfill

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112939
TRI Log #: E2160-97-02
Conformance Test #12

JAN 1/14/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.53	2.44									2.49	0.05
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.947	0.947	0.947								0.947	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	65	66	64	63	64	64	65	65	67	65	63	2
	62	61	60	60	61	60	60	61	63	60	60	<< min.
	65	66	64	66	65							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	181	183	180	182	178						181	2
TD Yield Strength (ppi)	186	186	185	185	186						186	0
MD Break Strength (ppi)	282	244	320	326	312						297	30
TD Break Strength (ppi)	232	343	308	271	331						297	41
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	18	18	18	18	18						18	0
MD Break Elongation (%)	728	630	811	824	815						762	74
TD Break Elongation (%)	645	921	825	748	885						805	99

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill #13

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112947
TRI Log #: E2160-97-02
Conformance Test #13

JAN 1/14/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.51	2.51									2.51	0.00
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.948	0.948	0.948								0.948	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	65	66	64	65	66	64	65	66	64	65	63	2
	61	63	64	63	63	63	63	61	62	63	60	<< min.
	61	61	62	60	61							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	184	173	179	179	184						180	4
TD Yield Strength (ppi)	188	181	187	189	189						187	3
MD Break Strength (ppi)	294	313	337	277	337						312	24
TD Break Strength (ppi)	346	258	260	334	336						307	39
MD Yield Elongation (%)	17	18	18	18	16						17	1
TD Yield Elongation (%)	16	16	16	16	16						16	0
MD Break Elongation (%)	745	833	859	728	841						801	54
TD Break Elongation (%)	946	750	738	916	923						855	91

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill #14

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112964
TRI Log #: E2160-97-02
Conformance Test #14

JAN 1/14/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.67	2.62									2.65	0.02
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
ensity (g/cm3)	0.949	0.949	0.948								0.949	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	63	63	64	64	63	61	62	62	61	60	63	2
	61	61	60	60	60	63	65	63	66	64	60	<< min.
	65	66	65	64	64							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	180	169	173	174	168						173	4
TD Yield Strength (ppi)	184	176	181	184	181						181	3
MD Break Strength (ppi)	292	298	307	311	285						299	10
TD Break Strength (ppi)	301	314	313	308	315						310	5
MD Yield Elongation (%)	18	18	18	18	19						18	0
TD Yield Elongation (%)	16	19	20	22	16						19	2
MD Break Elongation (%)	768	820	826	821	778						803	25
TD Break Elongation (%)	839	169	880	866	880						727	279

MD Machine Direction
TD Transverse Direction

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A Texas Research International Company

GEOMEMBRANE TEST RESULTS

#15

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112960
TRI Log #: E2160-97-02
Conforms Test #15

JAN 1/14/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.60	2.60									2.60	0.00
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.948	0.947	0.947								0.947	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	65	63	65	64	64	64	64	66	65	67	63	2
	60	62	63	63	62	62	60	61	60	63	60	<< min.
	60	62	60	60	60							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	180	182	175	179	179						179	2
TD Yield Strength (ppi)	180	180	181	183	182						181	1
MD Break Strength (ppi)	181	300	315	271	306						275	49
TD Break Strength (ppi)	328	331	303	305	270						307	22
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	18	18	18	18	18						18	0
MD Break Elongation (%)	836	784	843	721	813						799	44
TD Break Elongation (%)	905	908	844	849	761						853	53

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers #16
Project: Southeast Landfill

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112952
TRI Log #: E2160-97-02
Conformance Test #16

JAN 1/14/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.51	2.56									2.54	0.02
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.947	0.947	0.947								0.947	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	65	64	65	65	64	66	64	65	65	63	62	2
	61	60	60	60	62	62	61	62	63	62	60	<< min.
	61	60	60	61	61							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	174	176	174	174	180						176	2
TD Yield Strength (ppi)	189	180	187	187	187						186	3
MD Break Strength (ppi)	262	305	326	334	291						304	26
TD Break Strength (ppi)	319	315	343	246	295						304	33
MD Yield Elongation (%)	20	20	20	18	20						20	1
TD Yield Elongation (%)	16	16	16	16	16						16	0
MD Break Elongation (%)	720	795	849	861	740						793	56
TD Break Elongation (%)	846	871	921	685	796						824	80

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill #17

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112956
TRI Log #: E2160-97-02
Conformance Test # 17

JAN 1/14/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.64	2.63									2.64	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.948	0.947	0.947								0.947	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	63	60	62	63	63	62	62	60	61	62	62	2
	60	63	61	62	61	60	63	63	64	61	60	<< min.
	64	64	65	64	65							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	172	167	165	171	172						169	3
TD Yield Strength (ppi)	179	173	180	182	181						179	3
MD Break Strength (ppi)	299	183	281	291	314						274	47
TD Break Strength (ppi)	330	277	295	284	244						286	28
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	16	16	16	16	16						16	0
MD Break Elongation (%)	798	513	773	781	840						741	116
TD Break Elongation (%)	951	849	864	840	728						846	71

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill #18

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112943
TRI Log #: E2160-97-02
Conforms Test #18

JAN 1/14/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.56	2.56									2.56	0.00
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.948	0.948	0.948								0.948	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	64	65	65	64	66	63	65	64	64	65	62	2
	61	60	62	61	62	60	63	62	61	62	60	<< min.
	60	62	60	61	60							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	181	183	179	175	180						180	3
TD Yield Strength (ppi)	185	184	183	184	184						184	1
MD Break Strength (ppi)	319	280	323	313	325						312	17
TD Break Strength (ppi)	315	323	336	305	332						322	11
MD Yield Elongation (%)	19	18	19	19	19						19	0
TD Yield Elongation (%)	16	16	18	19	18						17	1
MD Break Elongation (%)	818	224	834	828	836						708	242
TD Break Elongation (%)	846	873	916	831	906						875	33

MD Machine Direction
TD Transverse Direction

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#29

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112991
TRI Log #: E2168-04-04

SRA 02·08·02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.55	2.56									2.56	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.948	0.947	0.947								0.947	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	65	65	64	64	64	64	64	62	60	65	64	1
	65	64	65	64	64	65	65	63	64	65	60	<< min.
	64	64	61	60	65							
nsile Properties												
STM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	167	161	164	165	168						165	2
TD Yield Strength (ppi)	163	158	163	169	166						164	4
MD Break Strength (ppi)	229	249	291	300	229						260	30
TD Break Strength (ppi)	303	304	294	301	284						297	7
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	16	16	16	16	16						16	0
MD Break Elongation (%)	658	719	815	816	653						732	72
TD Break Elongation (%)	875	911	869	871	825						870	27

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

#30

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4113019
TRI Log #: E2168-04-04

SRA 02·08·02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.67	2.68									2.68	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.943	0.941	0.945								0.943	0.002
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	62	62	61	60	60	61	61	62	63	63	62	1
	62	62	63	62	62	63	63	61	60	61	60	<< min.
	60	60	61	63	63							
ɪsile Properties												
ɔTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	143	149	146	150	149						147	3
TD Yield Strength (ppi)	150	146	152	156	156						152	4
MD Break Strength (ppi)	302	249	266	269	264						270	17
TD Break Strength (ppi)	291	293	314	236	294						286	26
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	17	17	17	17	16						17	0
MD Break Elongation (%)	834	690	744	745	739						750	46
TD Break Elongation (%)	829	869	916	701	844						832	72

MD Machine Direction
TD Transverse Direction

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#31

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4113015
TRI Log #: E2168-04-04

SRA 02-08-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.67	2.66									2.67	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.948	0.947	0.947								0.947	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	64	64	63	63	63	64	64	65	66	66	64	1
	64	65	65	66	64	65	64	64	63	60	60	<< min.
	65	65	66	65	65							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	159	158	161	164	157						160	2
TD Yield Strength (ppi)	168	165	169	174	174						170	4
MD Break Strength (ppi)	209	209	228	253	268						233	24
TD Break Strength (ppi)	270	288	255	303	311						285	21
MD Yield Elongation (%)	19	19	21	19	19						19	1
TD Yield Elongation (%)	16	16	16	16	16						16	0
MD Break Elongation (%)	623	619	669	715	840						693	81
TD Break Elongation (%)	749	834	741	849	870						809	53

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

#32

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112987
TRI Log #: E2168-04-04

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.57	2.60									2.59	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.948	0.946	0.948								0.947	0.001
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	64	64	64	61	62	62	65	64	65	63	63	2
	60	62	64	65	63	62	60	60	65	63	60	<< min.
	62	62	60	60	62							
nsile Properties												
STM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	157	163	172	166	161						164	5
TD Yield Strength (ppi)	170	161	164	170	166						166	3
MD Break Strength (ppi)	218	291	246	276	221						250	29
TD Break Strength (ppi)	332	293	310	271	290						299	21
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	16	16	16	16	16						16	0
MD Break Elongation (%)	626	815	676	761	636						703	73
TD Break Elongation (%)	898	838	870	761	816						837	47

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4113003 #33
TRI Log #: E2168-04-04
Test #33

SRA 02.08.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.63	2.64									2.64	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.947	0.947	0.947								0.947	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	67	63	66	65	64	63	64	62	64	64	65	2
	65	64	66	66	65	62	61	66	66	65	61	<< min.
	66	65	68	65	65							
sile Properties												
TM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	154	162	167	167	167						163	5
TD Yield Strength (ppi)	170	173	172	177	179						174	3
MD Break Strength (ppi)	312	309	325	322	302						314	8
TD Break Strength (ppi)	314	273	327	308	323						309	19
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	16	16	16	18	18						17	1
MD Break Elongation (%)	830	800	831	834	778						815	22
TD Break Elongation (%)	876	771	915	868	910						868	52

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

#34

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112999
TRI Log #: E2168-04-04

SRA 02·08·02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.59	2.60									2.60	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.946	0.946	0.946								0.946	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	64	65	65	64	63	63	63	63	62	63	63	1
	62	61	64	64	62	64	62	64	63	63	61	<< min.
	64	64	62	62	62							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	157	164	167	154	165						161	5
TD Yield Strength (ppi)	169	161	168	172	172						168	4
MD Break Strength (ppi)	235	303	282	285	262						273	23
TD Break Strength (ppi)	298	268	317	308	241						286	28
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	16	16	16	16	16						16	0
MD Break Elongation (%)	684	844	779	833	735						775	60
TD Break Elongation (%)	855	798	914	884	709						832	72

MD Machine Direction
TD Transverse Direction

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#35

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4112995
TRI Log #: E2168-04-04

5124-02-08-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.48	2.48									2.48	0.00
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.943	0.948	0.947								0.946	0.002
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	65	63	63	62	64	66	66	63	64	66	64	1
	64	65	64	64	64	65	65	64	63	65	62	<< min.
	66	64	66	64	64							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	168	165	160	159	162						163	3
TD Yield Strength (ppi)	164	161	164	170	170						166	4
MD Break Strength (ppi)	318	245	329	257	320						294	35
TD Break Strength (ppi)	312	313	309	336	313						317	10
MD Yield Elongation (%)	19	19	19	19	19						19	0
TD Yield Elongation (%)	16	16	16	16	16						16	0
MD Break Elongation (%)	851	679	909	730	890						812	91
TD Break Elongation (%)	864	901	884	935	871						891	25

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

136

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4113023
TRI Log #: E2168-04-04

SRA-02-08-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.63	2.64									2.64	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.946	0.946	0.946								0.946	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	64	64	63	63	63	64	64	63	64	63	63	1
	62	62	61	60	60	61	62	61	62	62	60	<< min.
	64	64	63	63	62							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	166	163	164	162	155						162	4
TD Yield Strength (ppi)	172	172	173	171	169						171	1
MD Break Strength (ppi)	304	328	294	312	266						301	21
TD Break Strength (ppi)	313	298	310	334	323						316	12
MD Yield Elongation (%)	19	18	19	19	19						19	0
TD Yield Elongation (%)	18	18	18	18	18						18	0
MD Break Elongation (%)	806	891	793	845	758						819	46
TD Break Elongation (%)	895	845	875	946	918						896	35

MD Machine Direction
TD Transverse Direction

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#37

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4113007
TRI Log #: E2168-04-04

SRA 02.08.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.47	2.51									2.49	0.02
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.945	0.945	0.945								0.945	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	64	64	63	64	63	63	63	64	62	63	63	1
	63	63	62	62	64	64	63	64	64	65	62	<< min.
	62	62	63	63	64							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	158	161	161	165	154						160	4
TD Yield Strength (ppi)	156	160	161	163	164						161	3
MD Break Strength (ppi)	309	307	285	267	290						292	15
TD Break Strength (ppi)	326	305	314	329	285						312	16
MD Yield Elongation (%)	18	18	18	18	18						18	0
TD Yield Elongation (%)	16	16	16	16	16						16	0
MD Break Elongation (%)	845	840	785	734	826						806	42
TD Break Elongation (%)	945	884	909	959	831						906	46

MD Machine Direction
TD Transverse Direction

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#38

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: 60mil HDPE smooth geomembrane
Sample Identification: 4113011
TRI Log #: E2168-04-04

SRA 02-08-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.55	2.51									2.53	0.02
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.946	0.946	0.946								0.946	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	63	62	62	63	63	62	62	62	61	61	62	1
	62	62	61	63	62	62	63	62	62	61	60	<< min.
	61	60	60	61	61							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	167	168	171	174	170						170	2
TD Yield Strength (ppi)	160	165	165	168	170						166	3
MD Break Strength (ppi)	306	296	320	287	270						296	17
TD Break Strength (ppi)	299	296	299	264	291						290	13
MD Yield Elongation (%)	20	22	22	20	20						21	1
TD Yield Elongation (%)	16	16	16	16	16						16	0
MD Break Elongation (%)	841	821	866	774	745						810	44
TD Break Elongation (%)	853	849	858	766	834						832	34

MD Machine Direction
TD Transverse Direction

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OK SCV

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Hillsborough

Material: 80mil HDPE smooth geomembrane
Sample Identification: 1906335
TRI Log #: E2176-73-08

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.66	2.65									2.66	0.00
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
nsity (g/cm3)	0.949	0.949	0.949								0.949	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	88	87	89	83	82	83	84	85	86	84	86	2
	88	85	85	87	88	89	88	84	86	86	82	<< min.
	88	87	84	83	85							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	226	222	226	233	232						228	4
TD Yield Strength (ppi)	229	217	227	231	230						227	5
MD Break Strength (ppi)	289	339	331	332	351						328	21
TD Break Strength (ppi)	57	372	297	390	375						298	125
MD Yield Elongation (%)	18	18	18	18	17						18	0
TD Yield Elongation (%)	17	17	17	17	17						17	0
MD Break Elongation (%)	625	741	716	695	745						705	44
TD Break Elongation (%)	879	855	704	865	839						828	64

MD Machine Direction
TD Transverse Direction

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HDPE TEXTURED

#39

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: HDPE textured geomembrane
Sample Identification: 4113039
TRI Log #: E2168-04-04

SLA 02-08-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.66	2.66									2.66	0.00
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.946	0.946	0.946								0.946	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	54	60	54	52	49	46	52	51	49	51	51	4
	54	51	52	53	48	56	45	46	42	41	41	<< min.
	57	54	49	47	53							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	177	164	169	175	178						173	5
TD Yield Strength (ppi)	177	170	185	186	182						180	6
MD Break Strength (ppi)	167	200	138	192	203						180	25
TD Break Strength (ppi)	136	136	137	143	133						137	3
MD Yield Elongation (%)	(12)	18	18	14	15						15	2
TD Yield Elongation (%)	15	14	14	15	15						15	0
MD Break Elongation (%)	406	574	118	481	519						420	161
TD Break Elongation (%)	118	193	188	359	60						183	100

- low
← low
Any 10 values low

MD Machine Direction
TD Transverse Direction

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Retested ok SLA

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#40

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: HDPE textured geomembrane
Sample Identification: 4113033
TRI Log #: E2168-04-04

SRA 02·08·02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.60	2.61									2.61	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.947	0.947	0.947								0.947	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	49	46	53	58	50	45	50	55	57	59	51	4
	48	50	54	52	47	47	46	50	51	47	44	<< min.
	55	44	58	56	52							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	166	152	169	170	180						167	9
TD Yield Strength (ppi)	179	169	175	176	182						176	4
MD Break Strength (ppi)	206	184	224	200	212						205	13
TD Break Strength (ppi)	145	140	130	210	194						164	32
MD Yield Elongation (%)	16	14	16	14	16						15	1
TD Yield Elongation (%)	16	15	15	14	14						15	1
MD Break Elongation (%)	554	479	604	529	548						543	40
TD Break Elongation (%)	423	455	233	611	536						452	128

low
low

MD Machine Direction
TD Transverse Direction

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#41

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: HDPE textured geomembrane
Sample Identification: 4113028
TRI Log #: E2168-04-04

SRA 02-08-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.65	2.67									2.66	0.01
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.944	0.944	0.944								0.944	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	51	52	56	58	59	51	50	56	55	48	53	4
	49	58	59	53	54	52	44	48	53	48	44	<< min.
	54	56	51	52	47							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	157	159	160	174	167						163	6
TD Yield Strength (ppi)	154	164	157	169	168						162	6
MD Break Strength (ppi)	134	182	169	199	204						178	25
TD Break Strength (ppi)	137	125	128	133	172						139	17
MD Yield Elongation (%)	15	16	15	16	15						15	0
TD Yield Elongation (%)	14	15	15	14	14						14	0
MD Break Elongation (%)	254	520	458	513	560						461	109
TD Break Elongation (%)	373	235	286	174	513						316	118

low
low

MD Machine Direction
TD Transverse Direction

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#42

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: 60mil HDPE textured geomembrane
Sample Identification: 4113037
TRI Log #: E2168-04-04

SRA 02-08-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.48	2.48									2.48	0.00
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
Density (g/cm3)	0.945	0.945	0.945								0.945	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	45	54	55	47	50	51	53	48	46	54	51	4
	57	55	55	49	53	52	45	46	50	56	45	<< min.
	51	53	49	54	57							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	162	165	163	164	168						164	2
TD Yield Strength (ppi)	175	166	173	177	172						173	4
MD Break Strength (ppi)	229	212	217	192	138						198	32
TD Break Strength (ppi)	188	182	212	195	173						190	13
MD Yield Elongation (%)	16	16	16	16	16						16	0
TD Yield Elongation (%)	15	16	16	16	15						16	0
MD Break Elongation (%)	630	585	604	514	355						538	99
TD Break Elongation (%)	533	528	614	566	486						545	43

- low
- low

MD Machine Direction
TD Transverse Direction

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GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: 60mil HDPE textured geomembrane
Sample Identification: 4107259
TRI Log #: E2176-66-08

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Carbon Black Content (ASTM D 1603, mod.)												
% Carbon Black	2.45	2.49									2.47	0.02
Carbon Black Dispersion (ASTM D 3015/NSF 54)												
Rating	A1	A1	A1	A1	A1	A1					A1	
Density (ASTM D 1505)												
ensity (g/cm3)	0.948	0.948	0.948								0.948	0.000
Thickness (ASTM D 751, NSF 54 modified)												
Thickness (mils)	61	60	62	60	60	59	60	60	61	63	61	1
	60	61	60	58	60	60	63	61	59	61	58	<< min.
	60	62	61	62	60							
Tensile Properties (ASTM D 638/GRI GM13, 2 ipm strain rate, Type IV specimen)												
MD Yield Strength (ppi)	173	175	177	183	178						177	3
TD Yield Strength (ppi)	189	181	183	179	176						182	4
MD Break Strength (ppi)	137	142	204	217	160						172	33
TD Break Strength (ppi)	142	190	139	202	133						161	29
MD Yield Elongation (%)	20	17	17	20	17						18	1
TD Yield Elongation (%)	14	14	15	14	16						15	1
MD Break Elongation (%)	209	63	498	533	271						315	178
TD Break Elongation (%)	299	476	384	510	301						394	87

MD Machine Direction
TD Transverse Direction

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COMPOSITE CONFORMANCE

GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers #4
Project: Southeast Landfill

Material: Serrot Double-sided geocomposite
Sample Identification: 40443446 409-3446-4497
TRI Log #: E2160-97-06
Conformance Test #4

SRA 01·17·02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf): 10000												
Hydraulic Gradient: 0.02												
Seat Time (hours): 1												
Direction Tested: machine direction												
Profile (Top to Botom): Plate/synthetic soil/sample/smoothhdpegm/plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)	0.00	0.01	0.01								0.01	0.00
Hydraulic Transmissivity (m2/s)	8.7E-05	8.6E-05	8.4E-05								8.5E-05	1.2E-06
Peel Strength (ASTM F 904, mod.)												
A - MD Average peel strength (ppi)	5.5	5.0	4.3	6.3	5.6						5.3	0.7
A - MD Average peel strength (g/in)	2497	2270	1952	2860	2542						2424	302
A - TD Average peel strength (ppi)	4.4	5.8	5.6	5.5	3.3						4.9	0.9
A - TD Average peel strength (g/in)	1998	2633	2542	2497	1498						2234	429
B - MD Average peel strength (ppi)	5.5	3.4	4.8	5.9	5.3						5.0	0.9
B - MD Average peel strength (g/in)	2497	1544	2179	2679	2406						2261	393
B - TD Average peel strength (ppi)	5.5	6.1	6.7	5.9	5.0						5.8	0.6
B - TD Average peel strength (g/in)	2497	2769	3042	2679	2270						2651	259

Trans top slow

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill #5

Material: Serrot Double-sided geocomposite
Sample Identification: 40443422 407-3422-4417
TRI Log #: E2160-97-06
Conformance Test #5

SRA 01·17·02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	10000											
Hydraulic Gradient:	0.02											
Seat Time (hours):	1											
Direction Tested: machine direction												
Profile (Top to Botom): Plate/synthetic soil/sample/smoothhdpegm/plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		0.00	0.01	0.01							0.01	0.01
Hydraulic Transmissivity (m2/s)		1.1E-04	1.1E-04	1.1E-04							1.1E-04	3.3E-06
Peel Strength (ASTM F 904, mod.)												
A - MD Average peel strength (ppi)	5.5	5.1	5.0	6.6	5.9						5.6	0.6
A - MD Average peel strength (g/in)	2497	2315	2270	2996	2679						2551	265
A - TD Average peel strength (ppi)	6.3	5.5	5.8	6.5	7.0						6.2	0.5
A - TD Average peel strength (g/in)	2860	2497	2633	2951	3178						2824	239
B - MD Average peel strength (ppi)	5.6	5.9	5.7	6.2	5.1						5.7	0.4
B - MD Average peel strength (g/in)	2542	2679	2588	2815	2315						2588	165
B - TD Average peel strength (ppi)	4.9	6.9	6.3	5.6	5.6						5.9	0.7
B - TD Average peel strength (g/in)	2225	3133	2860	2542	2542						2660	310

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Serrot Double-sided geocomposite
Sample Identification: 40443471 409-3471-4447
TRI Log #: E2160-97-06
Conformance Test #6

#6

SRA 01-17-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf): 10000												
Hydraulic Gradient: 0.02												
Seat Time (hours): 1												
Direction Tested: machine direction												
Profile (Top to Botom): Plate/synthetic soil/sample/smoothhdpegm/plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)	0.00	0.01	0.01								0.00	0.00
Hydraulic Transmissivity (m2/s)	7.3E-05	7.0E-05	7.5E-05								7.3E-05	1.9E-06
Peel Strength (ASTM F 904, mod.)												
A - MD Average peel strength (ppi)	5.9	5.1	5.8	5.8	4.3						5.4	0.6
A - MD Average peel strength (g/in)	2679	2315	2633	2633	1952						2443	277
A - TD Average peel strength (ppi)	5.6	5.4	6.2	5.4	5.0						5.5	0.4
A - TD Average peel strength (g/in)	2542	2452	2815	2452	2270						2506	178
B - MD Average peel strength (ppi)	4.7	4.5	5.6	5.8	6.1						5.3	0.6
B - MD Average peel strength (g/in)	2134	2043	2542	2633	2769						2424	285
B - TD Average peel strength (ppi)	6.9	6.8	6.1	4.6	6.0						6.1	0.8
B - TD Average peel strength (g/in)	3133	3087	2769	2088	2724						2760	374

Trans too slow

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Serrot Double-sided geocomposite - geonet component
Sample Identification: 4043446
TRI Log #: E2160-97-06

SRA 01.17.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Density (ASTM D 1505)												
Density (g/cm3)	0.948	0.948	0.949								0.948	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	241	208	204	203	210	212	203	204	210	209	210	11
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	10.73	10.33	10.36	10.02	10.23	10.57	9.94	10.53	10.98	10.30		
Mass/unit area (lbs./sq.ft)	0.174	0.167	0.168	0.162	0.166	0.171	0.161	0.171	0.178	0.167	0.168	0.00

) Machine Direction
D Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Serrot Double-sided geocomposite - geonet component
Sample Identification: 4043422
TRI Log #: E2160-97-06

SRA 01-17-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.948	0.948	0.948								0.948	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	205	206	216	206	213	218	206	200	213	217	210	6
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	11.09	10.31	9.37	10.54	9.93	10.91	10.74	9.63	10.40	9.82		
Mass/unit area (lbs./sq.ft)	0.180	0.167	0.152	0.171	0.161	0.177	0.174	0.156	0.168	0.159	0.166	0.01

MD Machine Direction
TD Transverse Direction

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AK SCI

GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Serrot Double-sided geocomposite - geonet component
Sample Identification: 4043471
TRI Log #: E2160-97-06

SRA 01·17·02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.948	0.948	0.949								0.948	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	203	203	208	210	211	216	208	207	204	203	207	4
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	10.54	10.25	10.35	10.15	9.81	10.02	10.56	10.55	10.00	9.91		
Mass/unit area (lbs./sq.ft)	0.171	0.166	0.168	0.164	0.159	0.162	0.171	0.171	0.162	0.161	0.165	0.00

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: double sided geocomposite/geotextile
Sample Identification: 3446 - top
TRI Log #: E2160-97-06

SRA 01·17·02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	358	357	368	324	362	388	306	373	347	368	355	23
TD - Tensile Strength (lbs)	267	244	283	282	267	292	243	303	234	266	268	21
MD - Elong. @ Max. Load (%)	103	95	115	101	99	111	103	118	105	108	106	7
TD - Elong. @ Max. Load (%)	117	110	136	125	127	119	112	126	111	118	120	8
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.37	3.73	3.72	3.66	3.52	3.92	3.57	3.78	3.72	3.39		
Mass/Unit Area (oz/sq.yd)	7.84	8.68	8.65	8.51	8.19	9.12	8.30	8.79	8.65	7.89	8.46	0.38
Mullen Burst Strength (ASTM D 3786, modified)												
,are (psi): < 40 psi >												
Burst Strength (psi)	410	400	400	360	400	400	390	380	370	380	389	15.13
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	125	160	126	139	137	100	142	119	128	130	131	15
	126	133	106	144	151							
Thickness (ASTM D 1777)												
Thickness (mils)	85	91	86	86	84	91	83	85	81	76	85	4.2
Thickness (mm)	2.16	2.31	2.18	2.18	2.13	2.31	2.11	2.16	2.06	1.93	2.15	0.11
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	160	138	177	195	156	164	168	148	139	111	156	22
TD - Tear Strength (lbs)	130	131	123	165	144	141	131	149	143	124	138	12

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: double sided geocomposite/geotextile
Sample Identification: 3446 - bottom
TRI Log #: E2160-97-06

SRA 01-17-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	332	342	353	382	385	401	372	340	341	373	362	22
TD - Tensile Strength (lbs)	242	271	302	298	264	292	264	277	262	297	277	19
MD - Elong. @ Max. Load (%)	103	101	110	109	107	111	102	105	101	102	105	4
TD - Elong. @ Max. Load (%)	103	107	112	111	109	121	114	123	107	115	112	6
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.83	3.59	3.84	3.37	4.17	3.56	3.72	3.49	4.02	3.52		
Mass/Unit Area (oz/sq.yd)	8.91	8.35	8.93	7.84	9.70	8.28	8.65	8.12	9.35	8.19	8.63	0.56
Mullen Burst Strength (ASTM D 3786, modified)												
re (psi): < 40 psi >												
Burst Strength (psi)	420	360	400	330	470	360	370	360	430	370	387	40.01
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	133	113	130	143	142	108	122	124	132	123	129	12
	130	117	136	155	126							
Thickness (ASTM D 1777)												
Thickness (mils)	90	76	90	85	88	90	87	99	89	90	88	5.4
Thickness (mm)	2.29	1.93	2.29	2.16	2.24	2.29	2.21	2.51	2.26	2.29	2.25	0.14
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	164	152	149	144	140	153	149	135	157	164	151	9
TD - Tear Strength (lbs)	130	141	139	130	107	137	141	170	135	140	137	15

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: double sided geocomposite/geotextile
Sample Identification: 3422 - top
TRI Log #: E2160-97-06

SRA 01/17/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	339	349	324	322	362	341	347	352	328	349	341	12
TD - Tensile Strength (lbs)	293	242	323	261	294	307	281	248	257	316	282	27
MD - Elong. @ Max. Load (%)	97	89	99	96	97	405	103	107	97	101	129	92
TD - Elong. @ Max. Load (%)	117	101	113	101	108	137	129	119	119	137	118	12
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.82	3.68	3.71	3.92	3.99	3.98	3.93	3.57	2.92	3.63		
Mass/Unit Area (oz/sq.yd)	8.89	8.56	8.63	9.12	9.28	9.26	9.14	8.30	6.79	8.44	8.64	0.70
Mullen Burst Strength (ASTM D 3786, modified)												
ıare (psi): < 40 psi >												
Burst Strength (psi)	390	440	400	450	420	450	410	430	330	420	414	33.82
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	137	143	122	118	134	144	134	139	126	137	138	14
	119	161	169	148	134							
Thickness (ASTM D 1777)												
Thickness (mils)	90	94	92	96	95	97	96	91	93	70	91	7.5
Thickness (mm)	2.29	2.39	2.34	2.44	2.41	2.46	2.44	2.31	2.36	1.78	2.32	0.19
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	141	134	154	146	160	135	132	142	150	130	142	10
TD - Tear Strength (lbs)	179	120	137	143	142	107	143	151	136	141	140	18

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: double sided geocomposite/geotextile
Sample Identification: 3422 - bottom
TRI Log #: E2160-97-06

SRA 01-17-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	334	355	336	347	327	327	314	380	333	350	340	18
TD - Tensile Strength (lbs)	313	298	271	282	297	298	323	293	282	302	296	14
MD - Elong. @ Max. Load (%)	98	95	106	101	98	95	95	105	99	106	100	4
TD - Elong. @ Max. Load (%)	103	105	109	103	99	108	99	99	101	105	103	3
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.72	3.55	4.00	3.81	3.74	3.72	3.87	3.78	3.70	3.70		
Mass/Unit Area (oz/sq.yd)	8.65	8.26	9.30	8.86	8.70	8.65	9.00	8.79	8.61	8.61	8.74	0.26
Mullen Burst Strength (ASTM D 3786, modified)												
,are (psi): < 40 psi >												
Burst Strength (psi)	400	350	470	450	410	400	460	400	460	400	420	36.33
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	156	144	162	143	117	125	144	132	147	120	141	13
	133	148	154	145	138							
Thickness (ASTM D 1777)												
Thickness (mils)	95	93	96	91	96	89	98	88	100	99	95	3.9
Thickness (mm)	2.41	2.36	2.44	2.31	2.44	2.26	2.49	2.24	2.54	2.51	2.40	0.10
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	132	154	144	135	141	142	158	152	157	169	148	11
TD - Tear Strength (lbs)	130	154	139	130	119	127	166	126	149	157	140	15

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: double sided geocomposite/geotextile
Sample Identification: 3471 - top
TRI Log #: E2160-97-06

SRA 01·17·02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	361	322	317	350	295	344	364	347	353	384	344	25
TD - Tensile Strength (lbs)	279	287	278	316	282	289	272	304	274	309	289	15
MD - Elong. @ Max. Load (%)	102	93	106	101	91	97	95	118	102	105	101	7
TD - Elong. @ Max. Load (%)	93	97	95	99	97	105	101	119	103	111	102	8
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.82	3.57	3.67	3.77	3.72	3.88	3.74	3.66	3.81	3.71		
Mass/Unit Area (oz/sq.yd)	8.89	8.30	8.54	8.77	8.65	9.02	8.70	8.51	8.86	8.63	8.69	0.20
Mullen Burst Strength (ASTM D 3786, modified)												
, are (psi): < 40 psi >												
Burst Strength (psi)	410	390	410	420	420	470	490	420	450	410	429	29.48
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	153	118	136	117	120	124	136	149	138	129	137	15
	149	138	131	136	174							
Thickness (ASTM D 1777)												
Thickness (mils)	95	96	97	99	97	96	93	96	99	96	96	1.7
Thickness (mm)	2.41	2.44	2.46	2.51	2.46	2.44	2.36	2.44	2.51	2.44	2.45	0.04
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	162	136	143	130	125	165	137	154	154	139	145	13
TD - Tear Strength (lbs)	130	124	171	131	137	140	123	138	145	133	137	13

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: double sided geocomposite/geotextile
Sample Identification: 3471 - bottom
TRI Log #: E2160-97-06

SRA 01-17-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	336	366	341	319	329	307	302	356	327	328	331	19
TD - Tensile Strength (lbs)	330	275	294	293	332	289	295	292	270	283	295	20
MD - Elong. @ Max. Load (%)	94	91	99	97	93	99	91	106	99	96	97	4
TD - Elong. @ Max. Load (%)	107	92	105	104	109	98	95	103	97	110	102	6
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.99	4.02	4.03	4.05	3.80	3.65	4.01	3.91	3.77	3.64		
Mass/Unit Area (oz/sq.yd)	9.28	9.35	9.37	9.42	8.84	8.49	9.33	9.09	8.77	8.47	9.04	0.35
Mullen Burst Strength (ASTM D 3786, modified)												
Range (psi): < 40 psi >												
Burst Strength (psi)	430	470	440	470	500	410	430	410	420	420	440	28.64
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	141	138	137	135	130	157	142	126	146	131	135	10
	140	131	135	119	114							
Thickness (ASTM D 1777)												
Thickness (mils)	96	94	90	88	91	95	96	94	97	92	93	2.8
Thickness (mm)	2.44	2.39	2.29	2.24	2.31	2.41	2.44	2.39	2.46	2.34	2.37	0.07
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	109	156	168	146	148	141	189	185	122	162	153	24
TD - Tear Strength (lbs)	128	134	145	140	132	122	143	147	134	157	138	10

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

#7

Material: Serrot double-sided geocomposite
Sample Identification: 4043498-4437
TRI Log #: E2160-98-03
Conformance Test #7

SRA 01·17·02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	10000											
Hydraulic Gradient:	0.02											
Seat Time (hours):	1											
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/Sample/smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)	0.00	0.02	0.02								0.02	0.01
Hydraulic Transmissivity (m2/s)	2.4E-04	2.3E-04	2.4E-04								2.4E-04	3.6E-06
Peel Strength (ASTM F 904, mod.)												
- MD Average peel strength (ppi)	6.7	4.5	6.4	5.4	6.9						6.0	0.9
- MD Average peel strength (g/in)	3042	2043	2906	2452	3133						2715	410
A - TD Average peel strength (ppi)	5.0	6.1	6.4	6.0	6.7						6.0	0.6
A - TD Average peel strength (g/in)	2270	2769	2906	2724	3042						2742	261
B - MD Average peel strength (ppi)	5.0	6.3	5.5	6.9	6.9						6.1	0.8
B - MD Average peel strength (g/in)	2270	2860	2497	3133	3133						2778	345
B - TD Average peel strength (ppi)	7.4	6.3	6.7	6.2	6.8						6.7	0.4
B - TD Average peel strength (g/in)	3360	2860	3042	2815	3087						3033	193

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Serrot double-sided geocomposite - geonet component
Sample Identification: 4043498-4447
TRI Log #: E2160-98-03

SRA 01-17-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.950	0.950	0.950								0.950	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	210	216	213	213	217	207	213	206	210	214	212	3
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	11.09	10.15	9.88	10.79	10.20	11.18	10.38	9.97	10.87	10.16		
Mass/unit area (lbs./sq.ft)	0.180	0.164	0.160	0.175	0.165	0.181	0.168	0.162	0.176	0.165	0.170	0.01

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Serrot double-sided geocomposite - geotextile component
Sample Identification: 4043498-4447 - top
TRI Log #: E2160-98-03

SR4 01-17-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	354	379	338	320	391	338	312	344	329	300	341	27
TD - Tensile Strength (lbs)	288	268	277	305	309	264	306	307	286	277	289	16
MD - Elong. @ Max. Load (%)	89	89	93	87	93	91	90	89	83	85	89	3
TD - Elong. @ Max. Load (%)	92	83	92	103	99	92	89	89	94	89	92	5
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.76	3.60	3.80	3.61	3.70	3.58	3.53	3.73	3.76	3.50		
Mass/Unit Area (oz/sq.yd)	8.75	8.37	8.84	8.40	8.61	8.33	8.21	8.68	8.75	8.14	8.51	0.23
Mullen Burst Strength (ASTM D 3786, modified)												
e (psi): < 50 psi >												
Burst Strength (psi)	430	370	500	370	420	390	350	410	410	390	404	39.80
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	132	148	130	138	132	146	137	120	145	121	135	8
	134	130	144	138	128							
Thickness (ASTM D 1777)												
Thickness (mils)	108	103	114	107	99	104	103	109	117	107	107	5.1
Thickness (mm)	2.74	2.62	2.90	2.72	2.51	2.64	2.62	2.77	2.97	2.72	2.72	0.13
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	124	144	127	125	147	128	147	216	124	128	141	27
TD - Tear Strength (lbs)	112	121	135	114	114	134	125	128	130	113	123	9

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Serrot double-sided geocomposite - geotextile component
Sample Identification: 4043498-4447 - bottom
TRI Log #: E2160-98-03

SRA 01/17/02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	349	331	330	319	354	353	324	338	353	337	339	12
TD - Tensile Strength (lbs)	259	265	268	287	270	275	282	277	298	279	276	11
MD - Elong. @ Max. Load (%)	103	99	107	99	106	93	87	96	91	96	98	6
TD - Elong. @ Max. Load (%)	94	94	97	100	100	95	97	102	103	94	98	3
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.43	3.63	3.63	3.44	3.80	3.66	3.55	3.76	3.67	3.53		
Mass/Unit Area (oz/sq.yd)	7.98	8.44	8.44	8.00	8.84	8.51	8.26	8.75	8.54	8.21	8.40	0.27
Mullen Burst Strength (ASTM D 3786, modified)												
re (psi): < 50 psi >												
urst Strength (psi)	360	400	340	350	380	410	380	400	450	310	378	37.89
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	129	117	115	129	122	146	138	138	119	135	128	
	123	116	142	107	141							
Thickness (ASTM D 1777)												
Thickness (mils)	98	95	97	90	100	106	97	99	99	95	98	3.9
Thickness (mm)	2.49	2.41	2.46	2.29	2.54	2.69	2.46	2.51	2.51	2.41	2.48	0.10
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	121	142	151	133	106	113	124	162	130	136	132	16
TD - Tear Strength (lbs)	127	101	138	127	120	124	97	132	110	111	119	13

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite
Sample Identification: 4043573
TRI Log #: E2168-01-08

TEST #19

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	10000											
Hydraulic Gradient:	0.02											
Seat Time (hours):	1											
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/Sample/60 mil smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		0.03	0.03	0.03							0.03	0.00
Hydraulic Transmissivity (m2/s)		3.2E-04	3.1E-04	3.1E-04							3.1E-04	4.0E-06
Peel Strength (ASTM F 904, mod.)												
MD Average peel strength (ppi)	0.9	3.9	1.7	2.6	3.6						2.5	1.1
MD Average peel strength (g/in)	409	1771	772	1180	1634						1153	513
A - TD Average peel strength (ppi)	3.9	4.2	3.4	3.4	4.7						3.9	0.5
A - TD Average peel strength (g/in)	1771	1907	1544	1544	2134						1780	225
B - MD Average peel strength (ppi)	3.7	2.4	3.9	3.2	1.2						2.9	1.0
B - MD Average peel strength (g/in)	1680	1090	1771	1453	545						1308	448
B - TD Average peel strength (ppi)	3.3	3.3	4.8	3.8	2.2						3.5	0.8
B - TD Average peel strength (g/in)	1498	1498	2179	1725	999						1580	382

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Geonet Component
Sample Identification: 4043573
TRI Log #: E2168-01-08

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.953	0.952	0.952								0.952	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	210	223	227	218	218	231	213	209	210	212	217	7
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	10.53	10.32	10.27	10.52	10.53	10.62	10.84	10.53	10.70	10.43		
Mass/unit area (lbs./sq.ft)	0.171	0.167	0.166	0.170	0.171	0.172	0.176	0.171	0.173	0.169	0.171	0.00

MD Machine Direction
Transverse Direction

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TRI/ENVIRONMENTAL, INC.
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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material:Double sided Geocomposite Non-Woven Geotextile
Sample Identification: 4043573 - top
TRI Log #: E2168-01-08

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	246	231	249	196	203	213	243	291	274	243	239	28
TD - Tensile Strength (lbs)	246	313	252	280	231	278	255	280	290	284	271	23
MD - Elong. @ Max. Load (%)	86	77	88	76	79	78	77	74	71	82	79	5
TD - Elong. @ Max. Load (%)	71	75	79	79	83	82	69	93	87	71	79	7
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.72	4.00	4.00	4.05	3.72	3.45	3.85	4.47	3.97	3.39		
Mass/Unit Area (oz/sq.yd)	8.65	9.30	9.30	9.42	8.65	8.02	8.96	10.40	9.23	7.89	8.98	0.69
Mullen Burst Strength (ASTM D 3786, modified)												
Tare (psi): < 50 psi >												
Burst Strength (psi)	530	520	430	530	380	430	500	555	500	420	480	56.23
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	148	147	160	188	172	178	161	169	163	169	168	11
	163	180	175	181	167							
Thickness (ASTM D 1777)												
Thickness (mils)	108	108	102	110	106	95	109	112	106	99	106	5.0
Thickness (mm)	2.74	2.74	2.59	2.79	2.69	2.41	2.77	2.84	2.69	2.51	2.68	0.13
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	88	113	124	103	79	125	102	86	99	104	102	15
TD - Tear Strength (lbs)	126	115	164	124	124	142	99	118	142	127	128	17

MD Machine Direction
TD Transverse Direction

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TRI/ENVIRONMENTAL, INC.
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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material:Double sided Geocomposite Non-Woven Geotextile
Sample Identification: 4043573 - bottom
TRI Log #: E2168-01-08

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	249	210	258	208	260	248	224	221	228	252	236	19
TD - Tensile Strength (lbs)	273	249	238	280	283	273	281	294	304	239	271	21
MD - Elong. @ Max. Load (%)	75	80	75	71	76	79	73	74	72	75	75	3
TD - Elong. @ Max. Load (%)	68	65	70	81	79	71	71	87	84	66	74	7
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	4.18	4.54	4.28	3.95	3.68	3.73	4.19	4.35	3.81	3.93		
Mass/Unit Area (oz/sq.yd)	9.72	10.56	9.96	9.19	8.56	8.68	9.75	10.12	8.86	9.14	9.45	0.63
Mullen Burst Strength (ASTM D 3786, modified)												
Tare (psi): < 50 psi >												
Burst Strength (psi)	590	480	520	430	540	450	460	570	500	480	502	49.76
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	160	1685	163	158	156	160	152	165	125	136	253	
	111	142	136	153	186							
Thickness (ASTM D 1777)												
Thickness (mils)	107	108	103	109	97	97	105	115	101	103	105	5.3
Thickness (mm)	2.72	2.74	2.62	2.77	2.46	2.46	2.67	2.92	2.57	2.62	2.65	0.13
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	130	132	97	103	105	99	118	106	118	111	112	12
TD - Tear Strength (lbs)	146	104	140	127	118	162	129	122	117	120	129	16

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite
Sample Identification: 4043554 TEST #20
TRI Log #: E2168-01-08

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	10000											
Hydraulic Gradient:	0.02											
Seat Time (hours):	1											
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/Sample/60 mil smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		0.02	0.02	0.02							0.02	0.00
Hydraulic Transmissivity (m2/s)		2.1E-04	2.1E-04	2.1E-04							2.1E-04	9.3E-07
Peel Strength (ASTM F 904, mod.)												
MD Average peel strength (ppi)	4.1	4.7	5.1	3.5	4.9						4.5	0.6
MD Average peel strength (g/in)	1861	2134	2315	1589	2225						2025	266
A - TD Average peel strength (ppi)	5.3	4.8	4.8	6.0	4.6						5.1	0.5
A - TD Average peel strength (g/in)	2406	2179	2179	2724	2088						2315	230
B - MD Average peel strength (ppi)	4.6	3.6	4.5	2.9	4.3						4.0	0.6
B - MD Average peel strength (g/in)	2088	1634	2043	1317	1952						1807	292
B - TD Average peel strength (ppi)	4.8	4.5	5.7	6.2	4.5						5.1	0.7
B - TD Average peel strength (g/in)	2179	2043	2588	2815	2043						2334	313

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Geonet Component
Sample Identification: 4043554
TRI Log #: E2168-01-08

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.952	0.952	0.953								0.952	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	211	210	211	214	208	210	208	211	206	208	210	2
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	9.93	9.85	9.80	9.93	9.95	10.19	10.05	10.11	10.20	10.05		
Mass/unit area (lbs./sq.ft)	0.161	0.160	0.159	0.161	0.161	0.165	0.163	0.164	0.165	0.163	0.162	0.00

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material:Double sided Geocomposite Non-Woven Geotextile
Sample Identification: 4043554 - top
TRI Log #: E2168-01-08

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	290	322	350	313	328	340	309	328	366	339	329	21
TD - Tensile Strength (lbs)	285	226	276	253	260	284	238	281	267	245	262	20
MD - Elong. @ Max. Load (%)	90	91	107	93	95	91	94	95	94	96	95	5
TD - Elong. @ Max. Load (%)	104	92	105	97	100	106	105	111	109	104	103	5
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.67	3.86	3.53	3.61	3.96	3.70	3.40	6.43	3.65	3.60		
Mass/Unit Area (oz/sq.yd)	8.54	8.98	8.21	8.40	9.21	8.61	7.91	14.96	8.49	8.37	9.17	1.96
Mullen Burst Strength (ASTM D 3786, modified)												
e (psi): < 50 psi >												
Burst Strength (psi)	420	430	400	400	510	390	320	380	400	430	408	45.34
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	130	159	132	125	142	120	105	122	143	143	135	13
	139	150	148	130	134							
Thickness (ASTM D 1777)												
Thickness (mils)	94	94	89	93	104	89	84	84	91	91	91	5.4
Thickness (mm)	2.39	2.39	2.26	2.36	2.64	2.26	2.13	2.13	2.31	2.31	2.32	0.14
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	120	118	127	143	123	155	119	107	125	102	124	15
TD - Tear Strength (lbs)	119	106	107	119	109	114	112	108	111	94	110	7

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material:Double sided Geocomposite Non-Woven Geotextile
Sample Identification: 4043554 - bottom
TRI Log #: E2168-01-08

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	335	277	343	321	301	324	309	335	319	316	318	18
TD - Tensile Strength (lbs)	288	296	282	317	283	258	269	296	274	272	284	16
MD - Elong. @ Max. Load (%)	92	84	95	90	85	90	89	97	88	83	89	4
TD - Elong. @ Max. Load (%)	103	102	97	113	91	91	89	104	94	97	98	7
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.76	3.86	3.88	3.64	3.49	3.74	3.71	3.69	3.83	3.74		
Mass/Unit Area (oz/sq.yd)	8.75	8.98	9.02	8.47	8.12	8.70	8.63	8.58	8.91	8.70	8.69	0.25
Mullen Burst Strength (ASTM D 3786, modified)												
Range (psi): < 50 psi >												
Burst Strength (psi)	430	450	450	480	430	450	430	430	460	380	439	25.08
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	138	151	157	125	133	126	121	129	127	143	134	10
	139	117	135	135	131							
Thickness (ASTM D 1777)												
Thickness (mils)	98	97	99	102	89	94	85	96	103	93	96	5.3
Thickness (mm)	2.49	2.46	2.51	2.59	2.26	2.39	2.16	2.44	2.62	2.36	2.43	0.13
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	154	153	128	165	133	133	152	103	123	152	140	18
TD - Tear Strength (lbs)	103	111	107	97	121	110	111	93	129	108	109	10

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite
Sample Identification: 4043530 Test #21
TRI Log #: E2168-01-08

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf): 10000												
Hydraulic Gradient: 0.02												
Seat Time (hours): 1												
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/Sample/60 mil smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		0.02	0.02	0.02							0.02	0.00
Hydraulic Transmissivity (m2/s)		2.4E-04	2.5E-04	2.5E-04							2.4E-04	2.9E-06
Peel Strength (ASTM F 904, mod.)												
A - MD Average peel strength (ppi)	4.6	5.1	5.6	3.6	3.3						4.4	0.9
A - MD Average peel strength (g/in)	2088	2315	2542	1634	1498						2016	396
A - TD Average peel strength (ppi)	5.0	5.5	5.8	5.6	5.7						5.5	0.3
A - TD Average peel strength (g/in)	2270	2497	2633	2542	2588						2506	126
B - MD Average peel strength (ppi)	5.3	5.1	5.5	5.1	5.2						5.2	0.1
B - MD Average peel strength (g/in)	2406	2315	2497	2315	2361						2379	68
B - TD Average peel strength (ppi)	5.0	6.9	6.6	5.8	6.1						6.1	0.7
B - TD Average peel strength (g/in)	2270	3133	2996	2633	2769						2760	300

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Geonet Component
Sample Identification: 4043530
TRI Log #: E2168-01-08

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Density (ASTM D 1505)												
Density (g/cm3)	0.952	0.951	0.952								0.952	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	221	215	217	215	214	214	216	219	215	216	216	2
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	11.25	10.88	11.18	10.83	10.36	10.98	11.02	11.30	10.88	11.24		
Mass/unit area (lbs./sq.ft)	0.182	0.176	0.181	0.175	0.168	0.178	0.179	0.183	0.176	0.182	0.178	0.00

MD Machine Direction
Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material:Double sided Geocomposite Non-Woven Geotextile
Sample Identification: 4043530 - top
TRI Log #: E2168-01-08

SLA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	292	342	319	351	287	331	308	325	306	327	319	20
TD - Tensile Strength (lbs)	253	231	277	285	277	286	280	261	297	288	274	19
MD - Elong. @ Max. Load (%)	87	95	91	97	93	90	92	104	95	95	94	4
TD - Elong. @ Max. Load (%)	90	86	95	98	88	103	92	99	101	99	95	6
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.68	3.55	2.68	3.60	3.48	3.79	3.64	2.68	3.59	3.76		
Mass/Unit Area (oz/sq.yd)	8.56	8.26	6.23	8.37	8.09	8.82	8.47	6.23	8.35	8.75	8.01	0.91
Mullen Burst Strength (ASTM D 3786, modified)												
re (psi): < 50 psi >												
Burst Strength (psi)	440	450	280	450	430	420	420	340	300	410	394	60.03
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	132	131	134	129	122	130	144	140	143	141	133	6
	132	133	135	123	133							
Thickness (ASTM D 1777)												
Thickness (mils)	94	88	69	91	90	88	95	88	71	94	87	8.8
Thickness (mm)	2.39	2.24	1.75	2.31	2.29	2.24	2.41	2.24	1.80	2.39	2.20	0.22
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	131	124	113	117	100	147	111	99	133	154	123	18
TD - Tear Strength (lbs)	105	124	120	118	105	149	122	116	118	126	120	12

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material:Double sided Geocomposite Non-Woven Geotextile
Sample Identification: 4043530 - bottom
TRI Log #: E2168-01-08

SLA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	319	336	359	322	301	306	305	327	344	378	330	24
TD - Tensile Strength (lbs)	266	281	274	301	285	276	263	284	289	303	282	13
MD - Elong. @ Max. Load (%)	88	87	98	91	87	99	91	103	98	95	94	5
TD - Elong. @ Max. Load (%)	89	91	105	100	97	89	91	90	95	93	94	5
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	4.03	3.46	3.73	3.68	3.77	3.70	3.70	3.66	3.68	3.46		
Mass/Unit Area (oz/sq.yd)	9.37	8.05	8.68	8.56	8.77	8.61	8.61	8.51	8.56	8.05	8.58	0.35
Mullen Burst Strength (ASTM D 3786, modified)												
re (psi): < 50 psi >												
Burst Strength (psi)	450	380	500	510	410	430	450	450	430	410	442	37.89
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	133	127	124	108	133	109	129	133	137	147	130	12
	121	147	127	150	121							
Thickness (ASTM D 1777)												
Thickness (mils)	97	89	104	104	96	94	99	99	103	95	98	4.6
Thickness (mm)	2.46	2.26	2.64	2.64	2.44	2.39	2.51	2.51	2.62	2.41	2.49	0.12
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	149	122	116	118	126	112	104	117	135	116	122	12
TD - Tear Strength (lbs)	114	106	101	129	126	127	106	100	113	102	112	11

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite
Sample Identification: 404374-4455
TRI Log #: E2168-05-04
TEST #22

#22

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf): 10000												
Hydraulic Gradient: 0.02												
Seat Time (hours): 1												
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/Sample/60 mil smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)	0.09	0.09	0.09								0.09	0.00
Hydraulic Transmissivity (m2/s)	9.0E-04	8.9E-04	8.8E-04								8.9E-04	8.9E-06
Peel Strength (ASTM F 904, mod.)												
MD Average peel strength (ppi)	2.6	2.5	2.7	2.7	2.0						2.5	0.3
A - MD Average peel strength (g/in)	1180	1135	1226	1226	908						1135	118
A - TD Average peel strength (ppi)	4.1	2.7	2.5	2.9	3.0						3.0	0.6
A - TD Average peel strength (g/in)	1861	1226	1135	1317	1362						1380	253
B - MD Average peel strength (ppi)	2.2	3.2	3.3	3.2	2.1						2.8	0.5
B - MD Average peel strength (g/in)	999	1453	1498	1453	953						1271	242
B - TD Average peel strength (ppi)	2.7	3.5	3.2	3.0	3.5						3.2	0.3
B - TD Average peel strength (g/in)	1226	1589	1453	1362	1589						1444	139

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Geonet Component
Sample Identification: 404374-4455
TRI Log #: E2168-05-04

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.948	0.949	0.948								0.948	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	232	226	229	230	226	230	231	226	228	229	229	2
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	12.67	11.68	12.20	12.15	11.97	12.77	12.43	11.82	12.33	12.55		
Mass/unit area (lbs./sq.ft)	0.205	0.189	0.198	0.197	0.194	0.207	0.201	0.191	0.200	0.203	0.199	0.01

MD Machine Direction
XD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 404374-4455 - top
TRI Log #: E2168-05-04

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	257	317	288	276	196	231	272	281	334	263	272	37
TD - Tensile Strength (lbs)	230	281	294	252	306	240	281	263	289	225	266	27
MD - Elong. @ Max. Load (%)	74	79	73	63	85	68	63	79	71	65	72	7
TD - Elong. @ Max. Load (%)	69	73	86	81	77	72	74	87	89	69	78	7
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	4.00	3.31	3.46	4.04	4..27	3.33	3.35	3.60	3.72	3.59		
Mass/Unit Area (oz/sq.yd)	9.30	7.70	8.05	9.40	0.00	7.75	7.79	8.37	8.65	8.35	7.54	2.58
Mullen Burst Strength (ASTM D 3786, modified)												
Tare (psi): < 50 psi >												
Burst Strength (psi)	480	410	520	550	620	370	400	500	510	410	477	74.57
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	138	154	188	153	195	135	115	119	176	161	151	25
	160	160	107	146	163							
Thickness (ASTM D 1777)												
Thickness (mils)	90	79	94	97	97	73	71	81	95	84	86	9.4
Thickness (mm)	2.29	2.01	2.39	2.46	2.46	1.85	1.80	2.06	2.41	2.13	2.19	0.24
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	107	135	114	96	95	123	134	115	108	118	115	13
TD - Tear Strength (lbs)	151	128	135	171	129	111	113	135	130	145	135	17

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 404374-4455 - bottom
TRI Log #: E2168-05-04

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	222	248	280	247	243	257	239	212	273	254	248	20
TD - Tensile Strength (lbs)	305	300	291	294	290	303	282	313	287	295	296	9
MD - Elong. @ Max. Load (%)	69	76	78	79	73	72	76	67	89	71	75	6
TD - Elong. @ Max. Load (%)	85	81	87	82	76	81	79	92	77	77	82	5
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.64	3.82	3.98	3.86	3.84	3.57	3.63	3.71	3.61	3.85		
Mass/Unit Area (oz/sq.yd)	8.47	8.89	9.26	8.98	8.93	8.30	8.44	8.63	8.40	8.96	8.72	0.30
Mullen Burst Strength (ASTM D 3786, modified)												
Tare (psi): < 30 psi >												
Burst Strength (psi)	480	530	490	540	490	430	540	500	470	460	493	34.07
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	147	151	161	178	171	170	199	183	190	182	172	25
	230	168	140	127	188							
Thickness (ASTM D 1777)												
	X					X						
Thickness (mils)	93	97	108	102	97	90	104	95	98	99	98	5.0
Thickness (mm)	2.36	2.46	2.74	2.59	2.46	2.29	2.64	2.41	2.49	2.51	2.50	0.13
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	128	111	121	95	99	95	99	98	86	67	100	16
TD - Tear Strength (lbs)	159	137	152	141	157	133	123	137	146	113	140	14

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite
Sample Identification: 4043653
TRI Log #: E2168-03-03
TEST #23

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	10000											
Hydraulic Gradient:	0.02											
Seat Time (hours):	1											
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/Sample/60 mil smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		0.03	0.03	0.03							0.03	0.00
Hydraulic Transmissivity (m2/s)		2.8E-04	2.8E-04	2.9E-04							2.9E-04	5.5E-06
Peel Strength (ASTM F 904, mod.)												
MD Average peel strength (ppi)	3.2	2.3	3.4	3.1	2.7						2.9	0.4
MD Average peel strength (g/in)	1453	1044	1544	1407	1226						1335	178
A - TD Average peel strength (ppi)	2.7	3.6	2.7	3.6	3.1						3.1	0.4
A - TD Average peel strength (g/in)	1226	1634	1226	1634	1407						1426	183
B - MD Average peel strength (ppi)	2.8	3.6	2.1	3.9	3.4						3.2	0.6
B - MD Average peel strength (g/in)	1271	1634	953	1771	1544						1435	291
B - TD Average peel strength (ppi)	2.3	2.1	3.5	3.4	2.8						2.8	0.6
B - TD Average peel strength (g/in)	1044	953	1589	1544	1271						1280	256

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Geonet Component
Sample Identification: 4043653
TRI Log #: E2168-03-03

SRA 02-09-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.952	0.952	0.951								0.952	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	218	219	222	227	224	227	231	222	219	223	223	4
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	11.04	11.31	11.04	11.34	11.80	11.36	11.33	11.29	11.24	11.11		
Mass/unit area (lbs./sq.ft)	0.179	0.183	0.179	0.184	0.191	0.184	0.184	0.183	0.182	0.180	0.183	0.00

MD Machine Direction
Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043653 - top
TRI Log #: E2168-03-03

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	257	249	223	249	255	255	270	233	257	223	247	15
TD - Tensile Strength (lbs)	293	284	274	311	294	264	264	304	269	277	283	16
MD - Elong. @ Max. Load (%)	72	67	73	70	81	78	72	74	74	69	73	4
TD - Elong. @ Max. Load (%)	85	79	85	83	84	76	82	85	85	74	82	4
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.39	3.03	3.74	3.72	3.38	3.41	3.63	3.47	3.57	3.65		
Mass/Unit Area (oz/sq.yd)	7.89	7.05	8.70	8.65	7.86	7.93	8.44	8.07	8.30	8.49	8.14	0.47
Mullen Burst Strength (ASTM D 3786, modified)												
Tare (psi): < 50 psi >												
Burst Strength (psi)	510	500	560	500	500	550	550	430	430	420	495	49.65
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	177	161	181	159	133	161	153	152	194	144	157	17
	162	158	123	143	155							
Thickness (ASTM D 1777)												
Thickness (mils)	105	101	105	101	100	105	104	92	84	83	98	8.1
Thickness (mm)	2.67	2.57	2.67	2.57	2.54	2.67	2.64	2.34	2.13	2.11	2.49	0.21
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	118	92	106	83	87	107	86	87	157	156	108	27
TD - Tear Strength (lbs)	131	135	156	140	175	154	122	135	139	132	142	15

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043653 - bottom
TRI Log #: E2168-03-03

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	245	249	230	221	258	211	255	284	196	187	234	29
TD - Tensile Strength (lbs)	309	280	287	323	258	267	278	310	277	286	288	19
MD - Elong. @ Max. Load (%)	72	75	75	73	73	77	65	75	68	61	71	5
TD - Elong. @ Max. Load (%)	74	79	95	73	70	72	74	95	75	71	78	9
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.26	3.60	4.72	4.08	3.21	3.36	3.80	4.73	4.10	3.59		
Mass/Unit Area (oz/sq.yd)	7.58	8.37	10.98	9.49	7.47	7.82	8.84	11.00	9.54	8.35	8.94	1.23
Mullen Burst Strength (ASTM D 3786, modified)												
Tare (psi): < 50 psi >												
Burst Strength (psi)	40	480	610	470	420	450	530	590	580	500	467	154.41
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	166	167	155	132	111	164	141	162	185	141	154	21
	188	147	174	130	146							
Thickness (ASTM D 1777)												
						x				x		
Thickness (mils)	101	106	109	98	95	89	98	110	100	91	100	6.7
Thickness (mm)	2.57	2.69	2.77	2.49	2.41	2.26	2.49	2.79	2.54	2.31	2.53	0.17
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	124	91	168	117	80	102	84	94	148	126	113	27
TD - Tear Strength (lbs)	135	120	140	167	135	130	132	154	137	116	137	14

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite
Sample Identification: 4043605
TRI Log #: E2168-03-03

24

Test #24

SJZ4 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	10000											
Hydraulic Gradient:	0.02											
Seat Time (hours):	1											
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/Sample/60 mil smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		0.03	0.03	0.03							0.03	0.00
Hydraulic Transmissivity (m2/s)		2.9E-04	2.9E-04	2.8E-04							2.9E-04	4.5E-06
Peel Strength (ASTM F 904, mod.)												
MD Average peel strength (ppi)	1.6	2.6	1.4	2.5	2.8						2.2	0.6
MD Average peel strength (g/in)	726	1180	636	1135	1271						990	257
A - TD Average peel strength (ppi)	3.5	3.6	3.2	3.4	2.8						3.3	0.3
A - TD Average peel strength (g/in)	1589	1634	1453	1544	1271						1498	128
B - MD Average peel strength (ppi)	1.7	2.1	1.0	2.5	2.2						1.9	0.5
B - MD Average peel strength (g/in)	772	953	454	1135	999						863	235
B - TD Average peel strength (ppi)	1.1	2.4	1.6	3.3	2.8						2.2	0.8
B - TD Average peel strength (g/in)	499	1090	726	1498	1271						1017	362

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Geonet Component
Sample Identification: 4043605
TRI Log #: E2168-03-03

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.954	0.954	0.953								0.954	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	219	219	215	213	215	217	213	216	212	215	215	2
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	11.11	11.36	11.13	11.09	11.43	10.84	10.64	11.05	11.06	11.03		
Mass/unit area (lbs./sq.ft)	0.180	0.184	0.180	0.180	0.185	0.176	0.172	0.179	0.179	0.179	0.179	0.00

MD Machine Direction
TD Transverse Direction

testing herein is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043605 - top
TRI Log #: E2168-03-03

SJA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	220	240	210	247	226	194	270	239	226	261	233	22
TD - Tensile Strength (lbs)	279	273	318	289	294	296	292	257	296	260	285	18
MD - Elong. @ Max. Load (%)	74	73	69	72	62	71	86	78	75	77	74	6
TD - Elong. @ Max. Load (%)	82	73	98	79	83	79	687	75	75	73	140	182
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.58	3.44	3.82	3.96	3.88	3.56	3.76	3.61	3.72	3.72		
Mass/Unit Area (oz/sq.yd)	8.33	8.00	8.89	9.21	9.02	8.28	8.75	8.40	8.65	8.65	8.62	0.35
Mullen Burst Strength (ASTM D 3786, modified)												
[illegible]re (psi): < 50 psi >												
Burst Strength (psi)	500	500	510	590	500	520	520	440	490	500	507	34.94
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	163	175	165	188	170	160	170	191	191	164	189	26
	242	214	242	200	193							
Thickness (ASTM D 1777)												
Thickness (mils)	98	97	101	110	106	98	105	93	103	99	101	4.8
Thickness (mm)	2.49	2.46	2.57	2.79	2.69	2.49	2.67	2.36	2.62	2.51	2.57	0.12
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	81	95	85	88	95	100	109	107	101	105	97	9
TD - Tear Strength (lbs)	152	147	137	125	117	155	154	122	144	140	139	13

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043605 - bottom
TRI Log #: E2168-03-03

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	244	228	267	245	246	261	244	244	267	231	248	13
TD - Tensile Strength (lbs)	269	288	304	288	281	315	312	232	301	312	290	24
MD - Elong. @ Max. Load (%)	78	75	79	75	81	77	66	79	79	73	76	4
TD - Elong. @ Max. Load (%)	73	76	76	71	78	81	84	74	82	82	78	4
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.39	3.47	3.86	3.42	3.61	4.01	3.53	3.72	3.97	3.43		
Mass/Unit Area (oz/sq.yd)	7.89	8.07	8.98	7.95	8.40	9.33	8.21	8.65	9.23	7.98	8.47	0.52
Mullen Burst Strength (ASTM D 3786, modified)												
e (psi): < 50 psi >												
Burst Strength (psi)	460	430	530	440	450	510	480	510	460	500	477	32.26
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	143	116	129	142	149	155	156	149	133	133	143	19
	118	128	138	178	183							
Thickness (ASTM D 1777)												
Thickness (mils)	94	84	102	96	99	105	97	102	107	88	97	6.9
Thickness (mm)	2.39	2.13	2.59	2.44	2.51	2.67	2.46	2.59	2.72	2.24	2.47	0.18
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	122	98	93	100	82	123	100	113	96	85	101	13
TD - Tear Strength (lbs)	132	122	111	131	117	134	129	116	124	102	122	10

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite
Sample Identification: 4043581
TRI Log #: E2168-03-03

#25

S124-02-07-02
Quality Review/Date

Test #25

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf): 10000												
Hydraulic Gradient: 0.02												
Seat Time (hours): 1												
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/Sample/60 mil smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)	0.02	0.02	0.02								0.02	0.00
Hydraulic Transmissivity (m2/s)	2.0E-04	2.0E-04	2.1E-04								2.0E-04	5.2E-06
Peel Strength (ASTM F 904, mod.)												
A - MD Average peel strength (ppi)	2.1	2.3	1.9	3.5	3.2						2.6	0.6
A - MD Average peel strength (g/in)	953	1044	863	1589	1453						1180	287
A - TD Average peel strength (ppi)	2.5	4.8	3.7	3.8	3.3						3.6	0.7
A - TD Average peel strength (g/in)	1135	2179	1680	1725	1498						1643	339
B - MD Average peel strength (ppi)	3.2	3.8	3.3	1.9	2.0						2.8	0.8
B - MD Average peel strength (g/in)	1453	1725	1498	863	908						1289	343
B - TD Average peel strength (ppi)	3.5	2.9	2.9	1.2	4.0						2.9	0.9
B - TD Average peel strength (g/in)	1589	1317	1317	545	1816						1317	429

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Geonet Component
Sample Identification: 4043581
TRI Log #: E2168-03-03

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.952	0.952	0.951								0.952	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	210	205	204	206	206	205	209	208	208	210	207	2
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	10.10	10.03	9.82	9.89	9.79	9.86	9.71	9.88	9.79	9.83		
Mass/unit area (lbs./sq.ft)	0.164	0.162	0.159	0.160	0.159	0.160	0.157	0.160	0.159	0.159	0.160	0.00

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043581 - top
TRI Log #: E2168-03-03

SR4 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	287	218	276	308	257	252	223	251	279	241	259	27
TD - Tensile Strength (lbs)	282	288	302	264	342	286	265	326	313	266	293	26
MD - Elong. @ Max. Load (%)	78	65	79	79	67	79	69	71	75	68	73	5
TD - Elong. @ Max. Load (%)	77	78	83	81	80	78	81	84	85	76	80	3
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.82	3.53	3.71	3.45	3.41	3.90	4.05	3.06	3.70	3.75		
Mass/Unit Area (oz/sq.yd)	8.89	8.21	8.63	8.02	7.93	9.07	9.42	7.12	8.61	8.72	8.46	0.63
Mullen Burst Strength (ASTM D 3786, modified)												
Range (psi): < 50 psi >												
Burst Strength (psi)	460	420	500	460	450	490	550	430	440	470	467	36.35
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	144	163	188	192	150	227	180	214	164	219	192	28
	238	172	198	220	214							
Thickness (ASTM D 1777)												
Thickness (mils)	103	97	105	94	93	99	99	103	100	100	99	3.7
Thickness (mm)	2.62	2.46	2.67	2.39	2.36	2.51	2.51	2.62	2.54	2.54	2.52	0.09
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	112	128	112	111	121	146	94	91	87	103	111	17
TD - Tear Strength (lbs)	152	126	137	152	109	139	133	112	129	133	132	14

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043581 - bottom
TRI Log #: E2168-03-03

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	261	240	250	245	198	253	274	313	265	247	255	27
TD - Tensile Strength (lbs)	361	323	338	346	322	354	280	302	375	362	336	28
MD - Elong. @ Max. Load (%)	82	77	79	80	73	82	78	91	85	75	80	5
TD - Elong. @ Max. Load (%)	78	75	77	78	71	78	75	77	87	78	77	4
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	4.32	4.08	3.52	3.74	3.66	3.43	3.60	3.56	3.41	3.39		
Mass/Unit Area (oz/sq.yd)	10.05	9.49	8.19	8.70	8.51	7.98	8.37	8.28	7.93	7.89	8.54	0.67
Mullen Burst Strength (ASTM D 3786, modified)												
[illegible]e (psi): < 50 psi >												
Burst Strength (psi)	430	530	460	430	520	480	420	470	420	380	454	44.77
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	168	115	151	152	127	137	178	159	172	146	153	19
	188	162	140	154	142							
Thickness (ASTM D 1777)												
Thickness (mils)	110	105	93	102	98	89	96	89	95	92	97	6.6
Thickness (mm)	2.79	2.67	2.36	2.59	2.49	2.26	2.44	2.26	2.41	2.34	2.46	0.17
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	128	129	100	122	100	122	94	111	98	109	111	12
TD - Tear Strength (lbs)	135	161	138	166	176	133	133	149	136	125	145	16

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite
Sample Identification: 4043685
TRI Log #: E2168-03-03
TEST #26

#26

SRA-02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf): 10000												
Hydraulic Gradient: 0.02												
Seat Time (hours): 1												
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/Sample/60 mil smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)	0.03	0.03	0.03								0.03	0.00
Hydraulic Transmissivity (m2/s)	3.0E-04	3.0E-04	3.1E-04								3.0E-04	4.4E-06
Peel Strength (ASTM F 904, mod.)												
A - MD Average peel strength (ppi)	2.9	2.8	3.4	3.1	2.0						2.8	0.5
A - MD Average peel strength (g/in)	1317	1271	1544	1407	908						1289	212
A - TD Average peel strength (ppi)	3.1	1.8	1.4	3.3	1.1						2.1	0.9
A - TD Average peel strength (g/in)	1407	817	636	1498	499						972	407
B - MD Average peel strength (ppi)	3.3	3.0	4.3	1.7	3.2						3.1	0.8
B - MD Average peel strength (g/in)	1498	1362	1952	772	1453						1407	378
B - TD Average peel strength (ppi)	1.0	2.6	2.4	3.4	2.6						2.4	0.8
B - TD Average peel strength (g/in)	454	1180	1090	1544	1180						1090	354

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Geonet Component
Sample Identification: 4043685
TRI Log #: E2168-03-03

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.955	0.954	0.954								0.954	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	276	220	218	218	213	213	215	213	215	214	222	18
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	11.60	11.37	10.78	11.06	10.98	11.36	11.76	11.86	11.90	11.54		
Mass/unit area (lbs./sq.ft)	0.188	0.184	0.175	0.179	0.178	0.184	0.191	0.192	0.193	0.187	0.185	0.01

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043685 - top
TRI Log #: E2168-03-03

SRA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	242	277	257	224	229	265	237	248	208	277	246	22
TD - Tensile Strength (lbs)	290	301	290	250	286	315	274	275	323	258	286	22
MD - Elong. @ Max. Load (%)	67	67	69	61	62	73	69	75	76	73	69	5
TD - Elong. @ Max. Load (%)	79	77	78	82	81	83	83	83	81	72	80	3
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.38	3.66	3.51	3.38	3.27	3.46	3.67	3.25	3.46	3.75		
Mass/Unit Area (oz/sq.yd)	7.86	8.51	8.16	7.86	7.61	8.05	8.54	7.56	8.05	8.72	8.09	0.38
Mullen Burst Strength (ASTM D 3786, modified)												
Range (psi): < 50 psi >												
Burst Strength (psi)	460	510	440	490	510	500	450	440	530	390	472	40.94
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	146	167	158	149	136	172	165	175	91	161	145	23
	110	114	143	139	142							
Thickness (ASTM D 1777)												
Thickness (mils)	96	101	89	98	97	92	93	86	99	90	94	4.6
Thickness (mm)	2.44	2.57	2.26	2.49	2.46	2.34	2.36	2.18	2.51	2.29	2.39	0.12
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	95	94	109	88	83	146	112	107	88	131	105	19
TD - Tear Strength (lbs)	126	135	133	152	116	122	105	127	123	137	128	12

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043685 - bottom
TRI Log #: E2168-03-03

SZA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	279	216	236	262	193	192	270	211	267	223	235	31
TD - Tensile Strength (lbs)	249	287	244	268	293	300	263	276	297	255	273	19
MD - Elong. @ Max. Load (%)	69	70	76	75	65	91	73	71	75	63	73	7
TD - Elong. @ Max. Load (%)	89	78	88	82	75	78	85	76	83	87	82	5
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.31	3.78	3.48	3.51	3.59	3.60	3.25	3.50	3.65	3.35		
Mass/Unit Area (oz/sq.yd)	7.70	8.79	8.09	8.16	8.35	8.37	7.56	8.14	8.49	7.79	8.15	0.36
Mullen Burst Strength (ASTM D 3786, modified)												
e (psi): < 50 psi >												
Burst Strength (psi)	390	530	460	450	480	480	480	420	540	440	467	43.60
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	140	130	144	128	168	171	190	166	147	149	154	21
	181	165	175	120	130							
Thickness (ASTM D 1777)												
Thickness (mils)	87	103	88	90	95	94	98	88	100	94	94	5.2
Thickness (mm)	2.21	2.62	2.24	2.29	2.41	2.39	2.49	2.24	2.54	2.39	2.38	0.13
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	115	97	100	94	99	107	89	111	107	128	105	11
TD - Tear Strength (lbs)	123	112	141	140	110	124	112	145	116	114	124	13

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite
Sample Identification: 4043629
TRI Log #: E2168-03-03
TEST #27

TEST #27

SLA 02.07.02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf):	10000											
Hydraulic Gradient:	0.02											
Seat Time (hours):	1											
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/Sample/60 mil smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)	0.02	0.02	0.02								0.02	0.00
Hydraulic Transmissivity (m2/s)	1.9E-04	1.9E-04	1.9E-04								1.9E-04	3.3E-06
Peel Strength (ASTM F 904, mod.)												
A - MD Average peel strength (ppi)	1.1	2.4	3.1	2.0	2.4						2.2	0.7
A - MD Average peel strength (g/in)	499	1090	1407	908	1090						999	297
A - TD Average peel strength (ppi)	0.8	4.5	3.0	2.2	3.0						2.7	1.2
A - TD Average peel strength (g/in)	363	2043	1362	999	1362						1226	548
B - MD Average peel strength (ppi)	2.0	1.7	2.2	2.4	2.2						2.1	0.2
B - MD Average peel strength (g/in)	908	772	999	1090	999						953	107
B - TD Average peel strength (ppi)	2.6	2.4	3.4	3.7	2.9						3.0	0.5
B - TD Average peel strength (g/in)	1180	1090	1544	1680	1317						1362	221

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Geonet Component
Sample Identification: 4043629
TRI Log #: E2168-03-03

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.952	0.952	0.951								0.952	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	216	225	218	216	215	217	219	216	219	216	218	3
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	10.77	11.30	10.88	11.09	10.99	10.72	10.93	11.21	11.13	11.40		
Mass/unit area (lbs./sq.ft)	0.174	0.183	0.176	0.180	0.178	0.174	0.177	0.182	0.180	0.185	0.179	0.00

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043629 - top
TRI Log #: E2168-03-03

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	250	322	293	308	294	278	260	306	283	228	282	27
TD - Tensile Strength (lbs)	287	294	309	333	288	344	296	311	285	343	309	22
MD - Elong. @ Max. Load (%)	75	77	77	82	77	81	73	81	67	75	77	4
TD - Elong. @ Max. Load (%)	75	79	83	83	86	82	81	83	79	81	81	3
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.88	3.80	3.70	4.44	3.51	3.70	4.07	3.83	3.45	3.91		
Mass/Unit Area (oz/sq.yd)	9.02	8.84	8.61	10.33	8.16	8.61	9.47	8.91	8.02	9.09	8.91	0.62
Mullen Burst Strength (ASTM D 3786, modified)												
re (psi): < 50 psi >												
Burst Strength (psi)	620	510	520	580	450	490	560	540	490	470	523	49.81
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	191	177	146	159	133	133	150	193	160	149	158	20
	165	167	123	172	155							
Thickness (ASTM D 1777)												
Thickness (mils)	114	105	104	117	94	102	109	103	95	103	105	6.9
Thickness (mm)	2.90	2.67	2.64	2.97	2.39	2.59	2.77	2.62	2.41	2.62	2.66	0.18
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	107	110	128	99	102	112	117	106	124	92	110	11
TD - Tear Strength (lbs)	142	144	168	163	137	148	128	136	140	133	144	12

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043629 - bottom
TRI Log #: E2168-03-03

SRA 02-07-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	242	220	194	273	228	287	214	222	268	217	237	29
TD - Tensile Strength (lbs)	278	276	314	305	301	270	248	317	237	281	283	26
MD - Elong. @ Max. Load (%)	82	83	77	84	80	81	95	86	89	83	84	5
TD - Elong. @ Max. Load (%)	83	71	73	81	79	71	68	93	72	81	77	7
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.64	3.54	3.55	3.70	3.28	3.62	3.58	3.30	3.96	3.79		
Mass/Unit Area (oz/sq.yd)	8.47	8.23	8.26	8.61	7.63	8.42	8.33	7.68	9.21	8.82	8.36	0.45
Mullen Burst Strength (ASTM D 3786, modified)												
Gage (psi): < 50 psi >												
Burst Strength (psi)	430	440	430	430	380	400	430	430	500	470	434	31.37
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	136	170	154	156	151	150	152	161	149	158	158	12
	194	164	149	164	160							
Thickness (ASTM D 1777)												
Thickness (mils)	96	99	95	101	89	98	99	96	108	99	98	4.6
Thickness (mm)	2.44	2.51	2.41	2.57	2.26	2.49	2.51	2.44	2.74	2.51	2.49	0.12
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	108	102	95	131	111	110	75	90	89	97	101	15
TD - Tear Strength (lbs)	158	121	135	155	140	140	144	126	164	132	142	13

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite
Sample Identification: 4043717 Test #28
TRI Log #: E2168-04-04

SRA-02-08-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Hydraulic Transmissivity (ASTM D 4716)												
Compressive Load (psf): 10000												
Hydraulic Gradient: 0.02												
Seat Time (hours): 1												
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/Sample/60 mil smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		0.03	0.03	0.04							0.03	0.00
Hydraulic Transmissivity (m2/s)		3.6E-04	3.5E-04	3.7E-04							3.6E-04	9.1E-06
Peel Strength (ASTM F 904, mod.)												
A - MD Average peel strength (ppi)	1.3	2.2	1.9	1.8	0.9						1.6	0.5
A - MD Average peel strength (g/in)	0	999	863	817	409						617	366
TD Average peel strength (ppi)	4.3	4.3	4.0	4.0	2.2						3.8	0.8
TD Average peel strength (g/in)	0	1952	1816	1816	999						1317	740
B - MD Average peel strength (ppi)	2.1	1.5	2.1	1.1	1.3						1.6	0.4
B - MD Average peel strength (g/in)	953	681	953	499	590						735	187
B - TD Average peel strength (ppi)	1.5	2.0	1.6	1.4	4.6						2.2	1.2
B - TD Average peel strength (g/in)	681	908	726	636	2088						1008	548

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Geonet Component
Sample Identification: 4043717
TRI Log #: E2168-04-04

SRA 02-08-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505)												
Density (g/cm3)	0.946	0.946	0.946								0.946	0.000
Thickness (ASTM D 1777)												
Thickness (mils)	223	223	225	224	223	226	226	226	225	224	225	1
Mass/Unit Area (ASTM D 3776)												
5 in diameter circle - mass (grams)	11.59	11.63	12.04	11.58	11.60	11.69	11.82	11.78	11.77	12.07		
Mass/unit area (lbs./sq.ft)	0.188	0.188	0.195	0.188	0.188	0.189	0.191	0.191	0.191	0.196	0.190	0.00

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043717 - top 619767A
TRI Log #: E2168-04-04

SRA 02-08-02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	193	153	210	203	185	200	197	214	204	187	195	16
TD - Tensile Strength (lbs)	333	324	325	322	306	305	330	328	317	362	325	15
MD - Elong. @ Max. Load (%)	82	73	87	84	89	85	79	86	79	79	82	5
TD - Elong. @ Max. Load (%)	81	82	85	85	75	73	75	83	81	75	80	4
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.74	3.69	3.86	3.84	3.68	3.95	4.00	3.74	3.66	3.61		
Mass/Unit Area (oz/sq.yd)	8.70	8.58	8.98	8.93	8.56	9.19	9.30	8.70	8.51	8.40	8.79	0.29
Mullen Burst Strength (ASTM D 3786, modified)												
Tare (psi): < 50 psi >												
rst Strength (psi)	440	500	460	490	450	480	520	490	400	480	471	32.70
. uncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	165	126	159	186	159	125	159	158	140	166	149	18
	145	128	159	140	127							
Thickness (ASTM D 1777)												
Thickness (mils)	90	90	85	92	95	95	98	94	91	91	92	3.4
Thickness (mm)	2.29	2.29	2.16	2.34	2.41	2.41	2.49	2.39	2.31	2.31	2.34	0.09
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	73	95	81	82	101	83	110	86	97	82	89	11
TD - Tear Strength (lbs)	153	138	148	162	148	126	143	150	158	144	147	10

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Southeast Landfill

Material: Double Sided Geocomposite - Non-Woven Geotextile Component
Sample Identification: 4043717 - bottom 990061
TRI Log #: E2168-04-04

SLA 02·08·02
Quality Review/Date

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	291	206	185	267	300	249	242	263	235	261	250	33
TD - Tensile Strength (lbs)	316	300	323	255	281	300	298	313	319	269	297	21
MD - Elong. @ Max. Load (%)	70	59	58	67	66	73	70	80	69	65	68	6
TD - Elong. @ Max. Load (%)	73	68	76	65	69	72	69	87	82	66	73	7
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.98	3.91	4.42	3.75	3.72	3.77	3.59	4.43	3.90	3.97		
Mass/Unit Area (oz/sq.yd)	9.26	9.09	10.28	8.72	8.65	8.77	8.35	10.30	9.07	9.23	9.17	0.62
Mullen Burst Strength (ASTM D 3786, modified)												
Tare (psi): < 30 psi >												
st Strength (psi)	570	570	500	570	530	520	540	450	430	500	518	46.65
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	170	171	167	135	178	188	214	209	164	195	174	20
	157	155	173	174	164							
Thickness (ASTM D 1777)												
Thickness (mils)	89	88	76	84	87	88	91	81	88	92	86	4.6
Thickness (mm)	2.26	2.24	1.93	2.13	2.21	2.24	2.31	2.06	2.24	2.34	2.19	0.12
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	97	99	136	102	94	115	101	83	108	134	107	16
TD - Tear Strength (lbs)	146	121	151	138	162	107	132	143	130	140	137	15

MD Machine Direction
TD Transverse Direction

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GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Hillsborough County Landfill

Material: double sided geocomposite
Sample Identification: NA
TRI Log #: E2177-29-09

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Density (ASTM D 1505) - GN												
Density (g/cm3)	0.955	0.955	0.955								0.955	0.000
Thickness (ASTM D 1777) - GN												
Thickness (mils)	245	217	214	246	228	226	213	245	243	212	229	14
Mass/Unit Area (ASTM D 3776) - GN												
5 in diameter circle - mass (grams)	13.65	13.48	13.42	13.69	13.90	13.90	13.28	13.25	13.47	13.88		
Mass/unit area (lbs./sq.ft)	0.221	0.218	0.217	0.222	0.225	0.225	0.215	0.215	0.218	0.225	0.220	0.00
Hydraulic Transmissivity (ASTM D 4716)												
mpressive Load (psf):	10,000											
ydraulic Gradient:	0.02											
eat Time (hours):	1											
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/GC Sample/60 mil smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)		0.06	0.06	0.06							0.06	0.00
Hydraulic Transmissivity (m2/s)		6.4E-04	6.4E-04	6.2E-04							6.3E-04	1.0E-05
Peel Strength (ASTM F 904, mod.)												
A - MD Average peel strength (ppi)	2.7	1.7	3.1	1.9	1.2						2.1	0.7
A - MD Average peel strength (g/in)	1226	772	1407	863	545						962	312
B - MD Average peel strength (ppi)	1.5	4.6	3.1	1.1	1.8						2.4	1.3
B - MD Average peel strength (g/in)	681	2088	1407	499	817						1099	581

Note: A and B represent a randomly assigned top and bottom of the sample

MD Machine Direction
TD Transverse Direction

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GEOTEXTILE TEST RESULTS

TRI Client: SCS Engineers
Project: Hillsborough County Landfill

Material: double sided geocomposite - nonwoven geotextile component
Sample Identification: Top
TRI Log #: E2177-29-09

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	294	327	301	279	273	279	294	287	267	307	291	17
TD - Tensile Strength (lbs)	247	228	167	296	334	283	257	354	375	254	280	60
MD - Elong. @ Max. Load (%)	77	93	93	89	108	82	91	93	72	80	88	10
TD - Elong. @ Max. Load (%)	101	97	81	95	108	87	105	95	94	83	95	8
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	3.53	3.64	3.80	3.33	3.63	3.02	3.22	3.50	3.25	3.36		
Mass/Unit Area (oz/sq.yd)	8.21	8.47	8.84	7.75	8.44	7.02	7.49	8.14	7.56	7.82	7.97	0.52
Mullen Burst Strength (ASTM D 3786, modified)												
~are (psi): < 30 psi >												
rst Strength (psi)	465	410	430	420	495	415	390	440	540	470	448	43.03
Puncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	144	141	134	134	142	140	138	141	119	157	140	11
	137	154	123	131	163							
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	117	102	98	110	114	118	117	110	99	90	108	9
TD - Tear Strength (lbs)	114	126	115	142	117	104	114	125	132	109	120	11
Thickness (ASTM D 1777)												
Thickness (mils)	90	88	91	87	89	85	87	90	95	94	90	3.0
Thickness (mm)	2.29	2.24	2.31	2.21	2.26	2.16	2.21	2.29	2.41	2.39	2.28	0.08

MD Machine Direction
TD Transverse Direction

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GEOTEXTILE TEST RESULTS

TRI Client: SCS Engineers
Project: Hillsborough County Landfill

Material: double sided geocomposite - nonwoven geotextile component
Sample Identification: B
TRI Log #: E2177-29-09

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Grab Tensile Properties (ASTM D 4632)												
MD - Tensile Strength (lbs)	392	465	390	404	438	373	416	343	423	437	408	34
TD - Tensile Strength (lbs)	199	343	351	402	369	416	371	321	402	340	351	59
MD - Elong. @ Max. Load (%)	90	127	95	87	108	81	111	79	87	99	96	14
TD - Elong. @ Max. Load (%)	93	129	106	99	109	104	132	97	103	111	108	12
Mass/Unit Area (ASTM D 3776, Option C)												
5" diameter circle (grams)	4.21	4.08	4.54	4.96	4.82	4.98	4.13	4.83	4.57	4.56		
Mass/Unit Area (oz/sq.yd)	9.79	9.49	10.56	11.54	11.21	11.58	9.61	11.23	10.63	10.61	10.63	0.74
Mullen Burst Strength (ASTM D 3786, modified)												
.are (psi): < 30 psi >												
·rst Strength (psi)	480	520	625	615	495	460	565	605	540	600	551	57.12
r .ncture Resistance (ASTM D 4833)												
Puncture Strength (lbs)	154	144	190	165	166	167	173	191	188	159	163	20
	161	115	148	182	139							
Trapezoidal Tear Resistance (ASTM D 4533)												
MD - Tear Strength (lbs)	107	151	137	145	142	113	109	136	125	131	130	15
TD - Tear Strength (lbs)	116	141	140	142	132	159	110	125	119	143	133	14
Thickness (ASTM D 1777)												
Thickness (mils)	98	110	108	111	101	93	91	115	104	103	103	7.4
Thickness (mm)	2.49	2.79	2.74	2.82	2.57	2.36	2.31	2.92	2.64	2.62	2.63	0.19

MD Machine Direction
TD Transverse Direction

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RETESTS

Best Available Copy

TRI/ENVIRONMENTAL, INC.
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September 21, 2002

Geocomposite Retests. Transmissivity ok SCV

Mail To:

Ms. Sheila Carpenter
SCS Engineers
3012 U.S. Highway North 301
Suite 700
Tampla, FL 33619

fax: 813-623-6757
fax: 813-642-9026 (attn: Dennis DuPont)

Bill To:

<= Same

Dear Ms. Carpenter:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

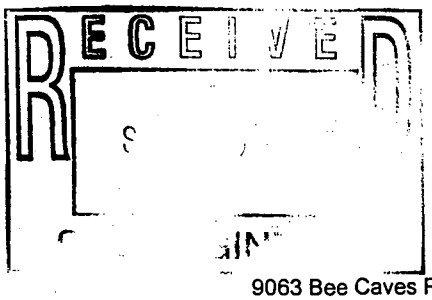
Project:	Hillsborough Landfill
TRI Job Reference Number:	2176-27-08
Material(s) Tested:	2 double sided geocomposites
Test(s) Requested:	Transmissivity (ASTM D 4716)

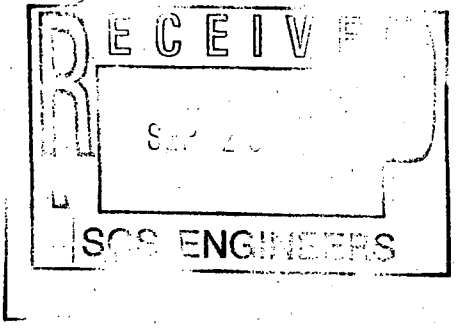
If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jarrett A Nel for SRA

Sam R. Allen
Vice President and Division Manager
Geosynthetic Services Division





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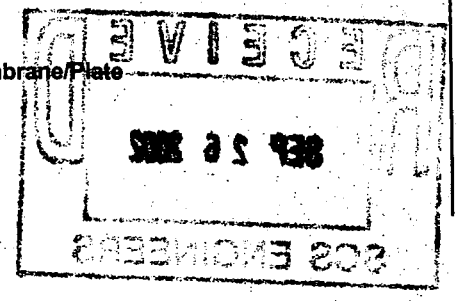
GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Hillsborough Landfill

Material: double sided geocomposite
TRI Log #: E2176-27-08
Hydraulic Transmissivity (ASTM D 4716)

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Sample Identification: 40443446												
Compressive Load (psf): 10,000												
Hydraulic Gradient: 0.02												
Seat Time (hours): 1												
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/GC Sample/smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)	0.03	0.03	0.03								0.03	0.00
Hydraulic Transmissivity (m2/s)	2.8E-04	2.9E-04	2.7E-04								2.8E-04	5.4E-06
Sample Identification: 40443471												
mpressive Load (psf): 10,000												
draulic Gradient: 0.02												
Seat Time (hours): 1												
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/GC Sample/smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)	0.03	0.03	0.03								0.03	0.00
Hydraulic Transmissivity (m2/s)	2.6E-04	2.6E-04	2.7E-04								2.6E-04	2.7E-06



MD Machine Direction
TD Transverse Direction

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TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

September 21, 2002

Mail To:

Ms. Sheila Carpenter
SCS Engineers
3012 U.S. Highway North 301
Suite 700
Tampla, FL 33619

fax: 813-623-6757
fax: 813-642-9026 (attn: Dennis DuPont)

Bill To:

<= Same

Dear Ms. Carpenter:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project:	Hillsborough Landfill
TRI Job Reference Number:	2176-27-08
Material(s) Tested:	2 double sided geocomposites
Test(s) Requested:	Transmissivity (ASTM D 4716)

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Sam R. Allen
Vice President and Division Manager
Geosynthetic Services Division

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOCOMPOSITE TEST RESULTS

TRI Client: SCS Engineers
Project: Hillsborough Landfill

Material: double sided geocomposite
TRI Log #: E2176-27-08
Hydraulic Transmissivity (ASTM D 4716)

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
Sample Identification: 40443446												
Compressive Load (psf):	10,000											
Hydraulic Gradient:	0.02											
Seat Time (hours):	1											
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/GC Sample/smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)	0.03	0.03	0.03								0.03	0.00
Hydraulic Transmissivity (m2/s)	2.8E-04	2.9E-04	2.7E-04								2.8E-04	5.4E-06
Sample Identification: 40443471												
Compressive Load (psf):	10,000											
Hydraulic Gradient:	0.02											
Seat Time (hours):	1											
Direction Tested: machine direction												
Profile (Top to Botom): Plate/Synthetic Soil/GC Sample/smooth HDPE geomembrane/Plate												
Permeant: Water												
Flow Rate/Unit Width (GPM/ft width)	0.03	0.03	0.03								0.03	0.00
Hydraulic Transmissivity (m2/s)	2.6E-04	2.6E-04	2.7E-04								2.6E-04	2.7E-06

MD Machine Direction
TD Transverse Direction

The testing herein is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

RETEST

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

SCS ENGINEERS
AUG 29 2002

August 26, 2002

Mail To:

Ms. Lindsey Kennelly
SCS Engineers
3012 U.S. Highway North 301
Suite 700
Tampla, FL 33619

fax: 813-623-6757

Bill To:

<= Same

Dear Ms. Kennelly:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

TRI Job Reference Number:	2173-95-05
Material(s) Tested:	Four 60mil textured geomembranes
Test(s) Requested:	Thickness (ASTM D 751, modified)

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Sam R. Allen
Vice President and Division Manager
Geosynthetic Services Division

TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOMEMBRANE TEST RESULTS

TRI Client: SCS Engineers
Project: Hillsborough Landfill

Material: 60mil textured geomembrane
TRI Log #: E2173-95-05
Thickness (ASTM D 751, NSF 54 modified)

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
Sample Identification: 4113039												
Thickness (mils)	66	69	68	67	65	67	69	65	68	63	67	2
CONFORMANCE	68	65	67	64	62	66	65	62	68	69	62	<< min.
SAMPLE 39	69	66	68	70	67							
Sample Identification: 4113037												
Thickness (mils)	61	61	63	65	64	62	60	58	63	65	63	2
CONFORMANCE	61	60	62	64	65	65	62	64	67	67	58	<< min.
SAMPLE 42	63	64	65	66	66							
ımple Identification: 4113028												
Thickness (mils)	67	68	67	66	69	61	60	63	59	60	65	3
CONFORMANCE	64	63	66	65	67	67	68	64	63	66	59	<< min.
SAMPLE 41	69	68	66	66	65							
Sample Identification: 4113033												
Thickness (mils)	64	65	60	63	61	62	66	60	68	63	64	3
CONFORMANCE	67	62	60	61	67	65	64	60	66	63	60	<< min.
SAMPLE 40	65	67	68	64	62							

MD Machine Direction
TD Transverse Direction

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

ATTACHMENT G

SUBBASE ACCEPTANCE FORMS

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

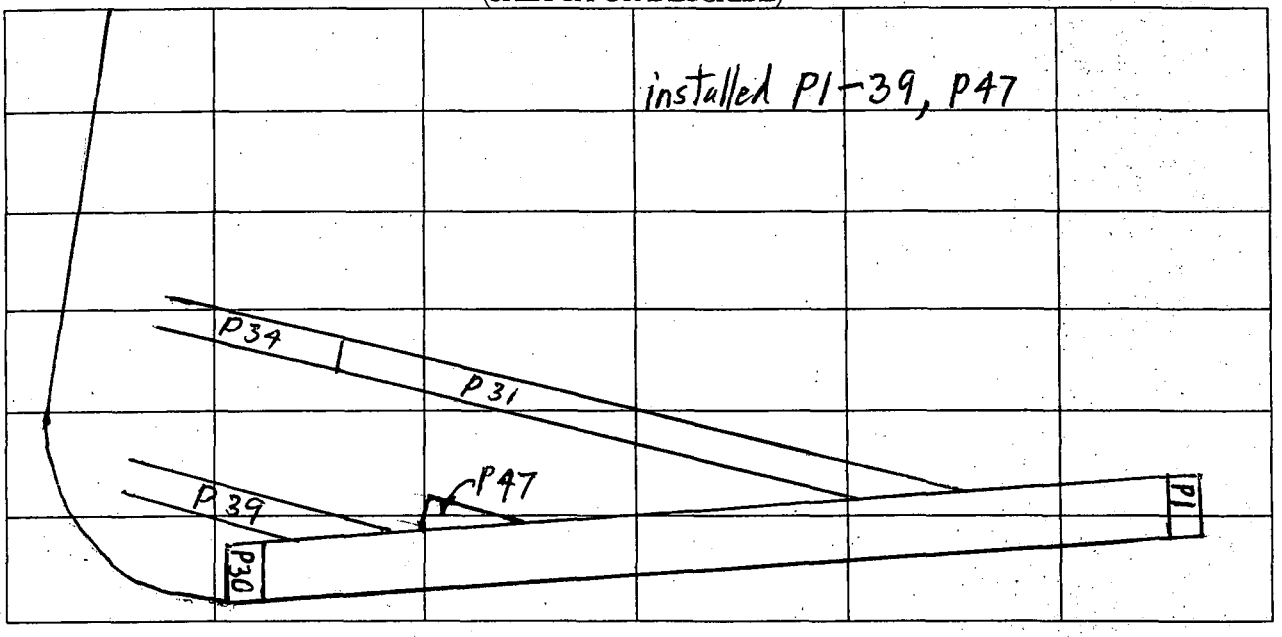
Installer: GSE
Address: 19013 GUNDLE RD. HOUSTON TX.

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations. Acceptance of the subgrade surface considers that at the time the geomembrane is placed, the structure of the underlying soil surface, which is the responsibility of others, meets or exceeds the project specifications.

JOSEPH COLETTO	SUPT.
NAME	TITLE
Joseph Coletto	9-10-02
SIGNATURE	DATE

9-17-02

Certification received by SCS

Dennis G. DuPont	Resident Engineer
NAME	TITLE
Dennis G. DuPont	9-10-02
SIGNATURE	DATE

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

Installer: GSE
Address: 19103 GUNDLE RD. HOUSTON TX.

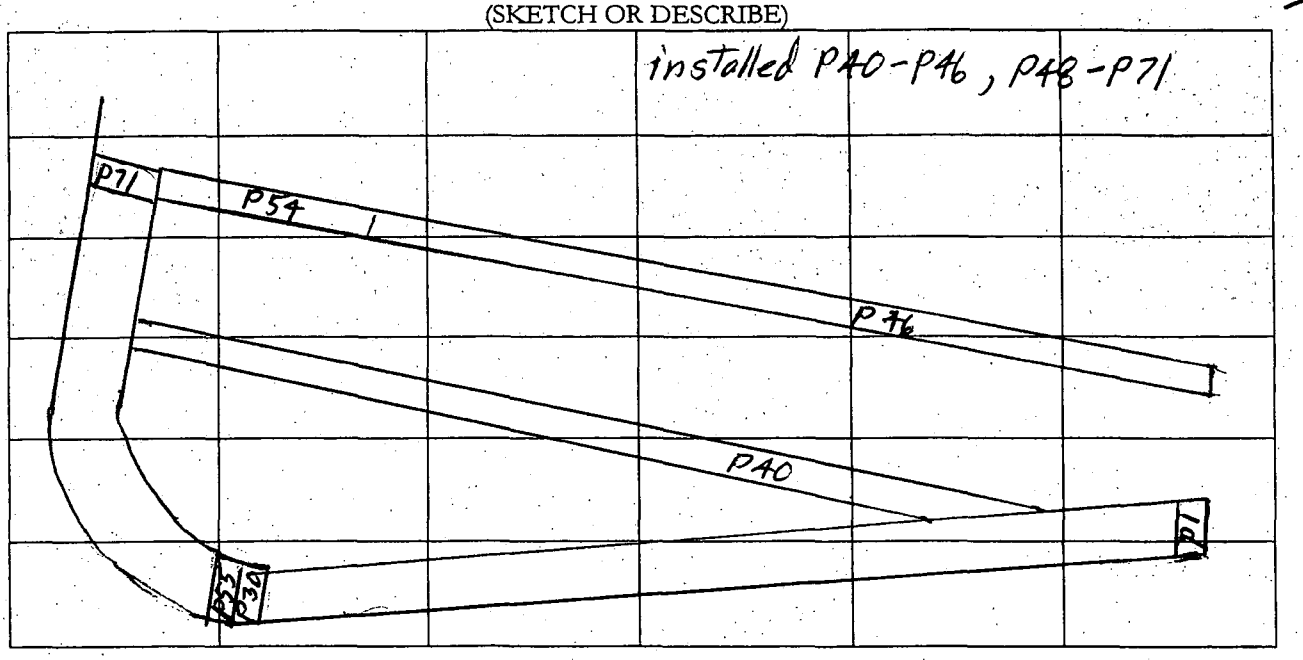
Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)

DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



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JOSEPH COLETTO	SUPT.
NAME	TITLE
Joseph Coletto	9-14-02
SIGNATURE	DATE
	9-17-02

Certification received by SCS

Dennis G. DuPont	Resident Engineer
NAME	TITLE
Dennis G. DuPont	9-14-02
SIGNATURE	DATE

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

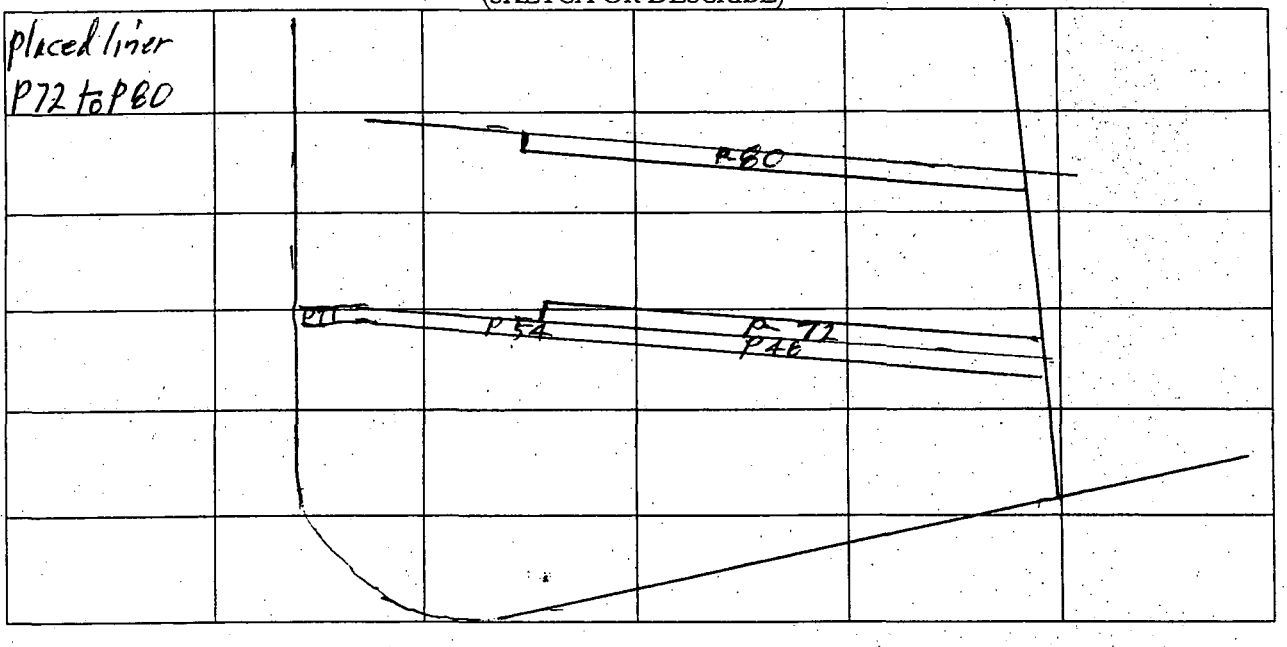
Installer: GSE
Address: 19103 Gundle Rd Houston Tx

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



Acceptance of the soil surface for which the geomembrane will be placed is based upon visual observations. Acceptance of the subgrade surface considers that at the time the geomembrane is placed, the structure of the underlying soil surface, which is the responsibility of others, meets or exceeds the project specifications.

Joseph Colette (NAME)	Supt. (TITLE)
Joseph Colette (SIGNATURE)	9-16-02 (DATE)
	9-18-02

Certification received by SCS

Dennis G. DuPont (NAME)	Resident Engineer (TITLE)
Dennis G. DuPont (SIGNATURE)	9-16-02 (DATE)

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

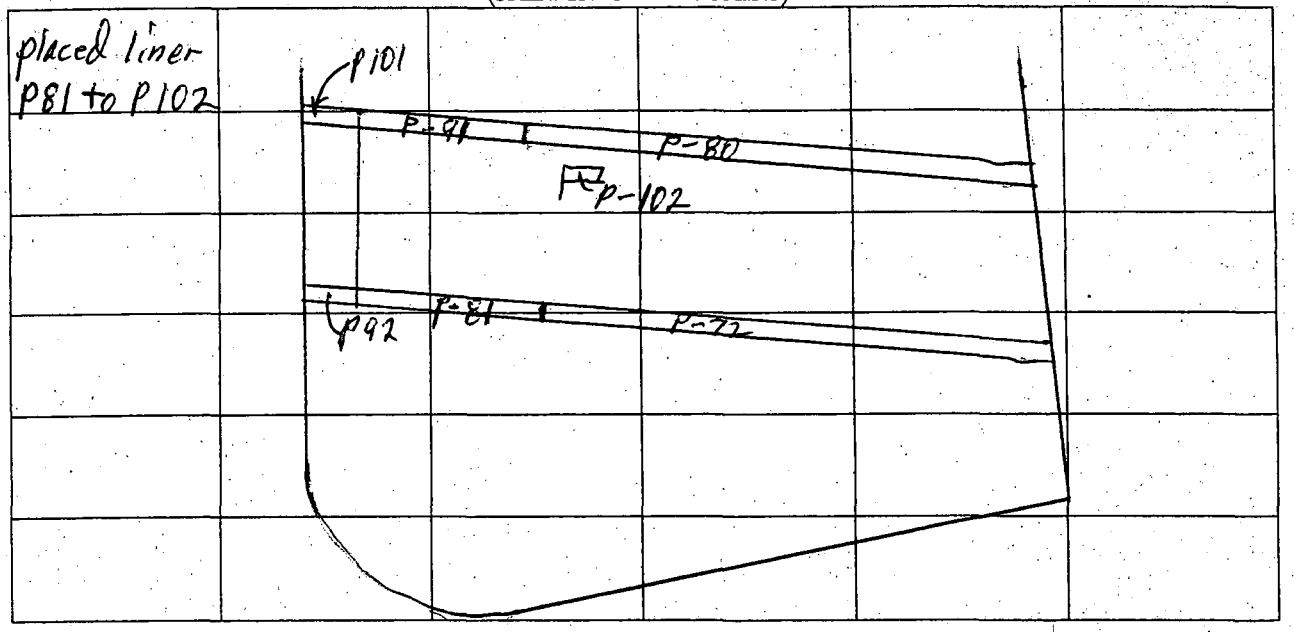
Installer: GSE
Address: 19103 Gundle Rd. Houston Tx

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



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JOSEPH COLETTI — NAME
SUPT. — TITLE
Joseph Coletti — SIGNATURE
9-17-02 — DATE

L. Gosse
9-18-02

Certification received by SCS

Dennis G. DuPont — NAME
Resident Engineer — TITLE
Dennis G. DuPont — SIGNATURE
9-17-02 — DATE

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

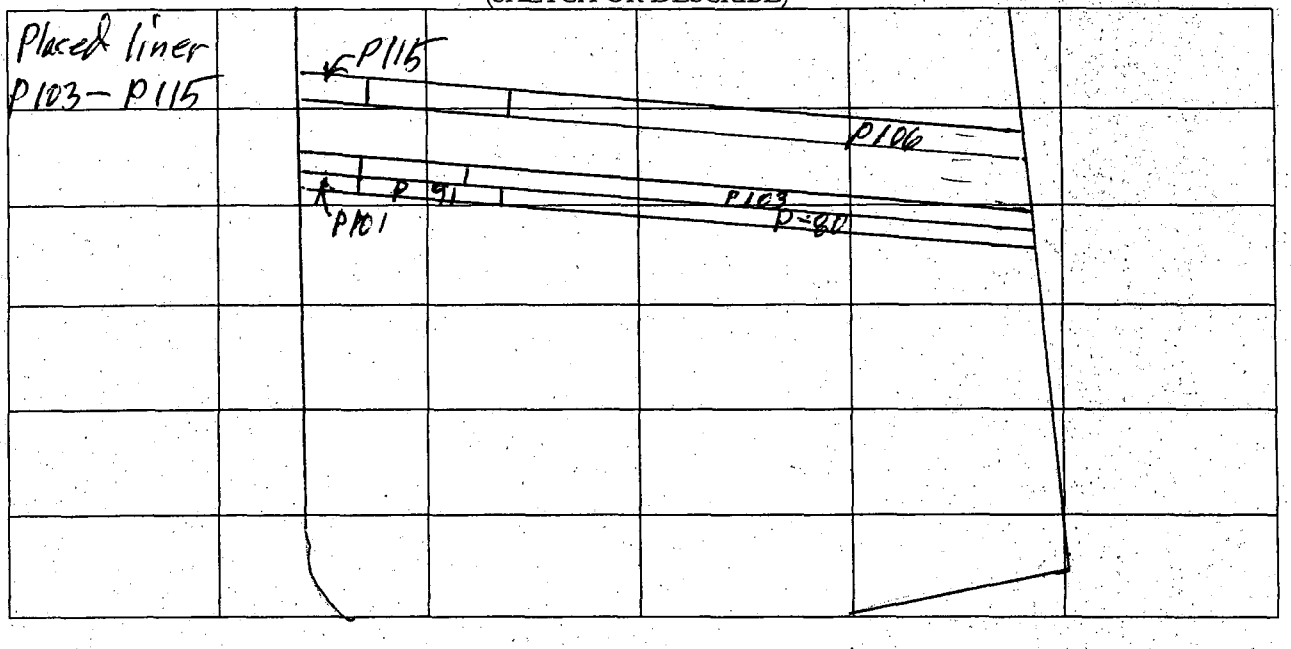
Installer: GSE
Address: 19103 Gundle Rd.
Houston TX

Project name: Section I Capacity Expansion
Project location: South East County
Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE
(Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



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Joseph Coletto — NAME
Supt. — TITLE
L. Glasser — SIGNATURE
9-24-02 — DATE

Joseph Coletto

Certification received by SCS

Dennis G. DuPont — NAME
Resident Engineer — TITLE
Dennis A. DuPont — SIGNATURE
9-18-02 — DATE

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

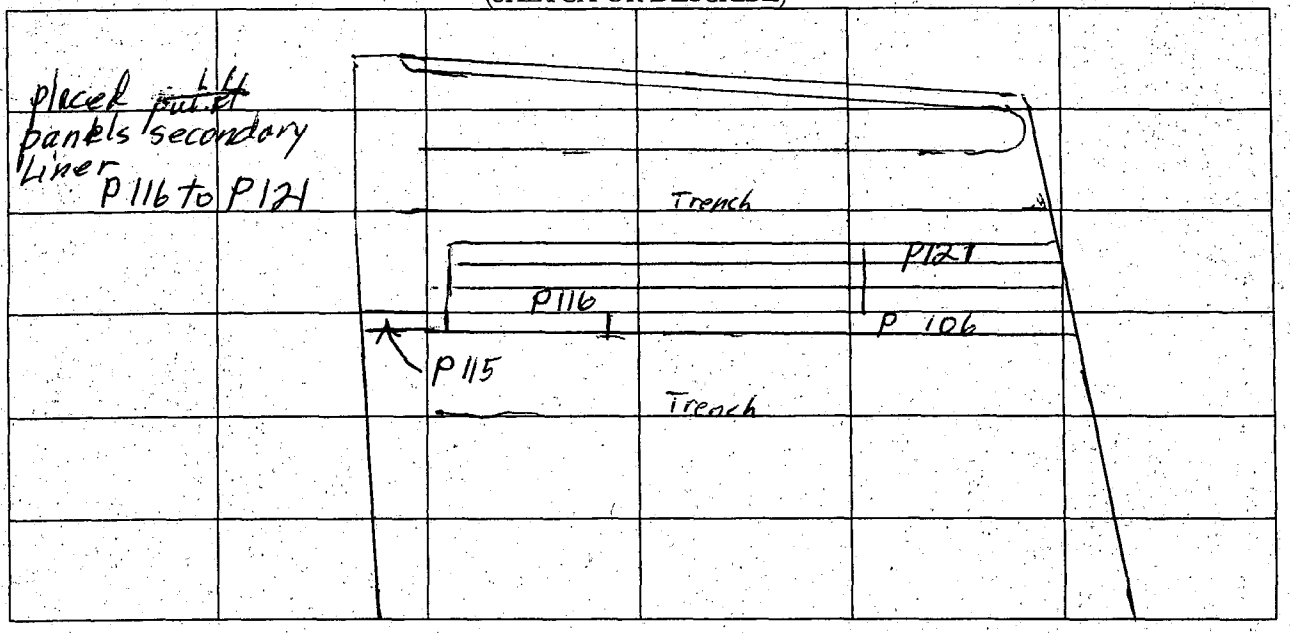
Installer: GSE
Address: 19103 Gundle Rd. Houston TX

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW:

(SKETCH OR DESCRIBE)



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Joseph Coletto (NAME)	Supt. (TITLE)
Joseph Coletto (SIGNATURE)	9-30-02 (DATE)

Certification received by SCS

Dennis G. DuPont (NAME)	Resident Engineer (TITLE)
Dennis G. DuPont (SIGNATURE)	9-30-02 (DATE)

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

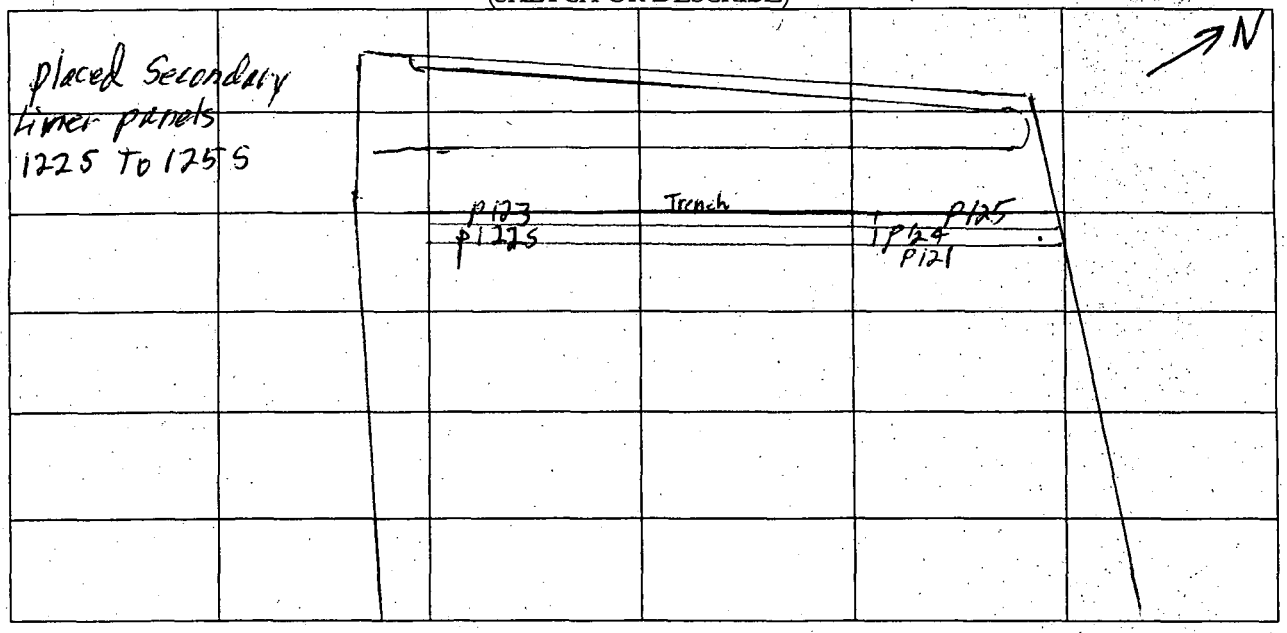
Installer: GSE
Address: 19103 Gundle Rd. Houston Tx

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



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Joe Coletto (NAME)	Supt. (TITLE)
Joseph Coletto (SIGNATURE)	10-2-02 (DATE)

Certification received by SCS

Dennis G. DuPont (NAME)	Resident Engineer (TITLE)
Dennis G. DuPont (SIGNATURE)	10-2-02 (DATE)

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

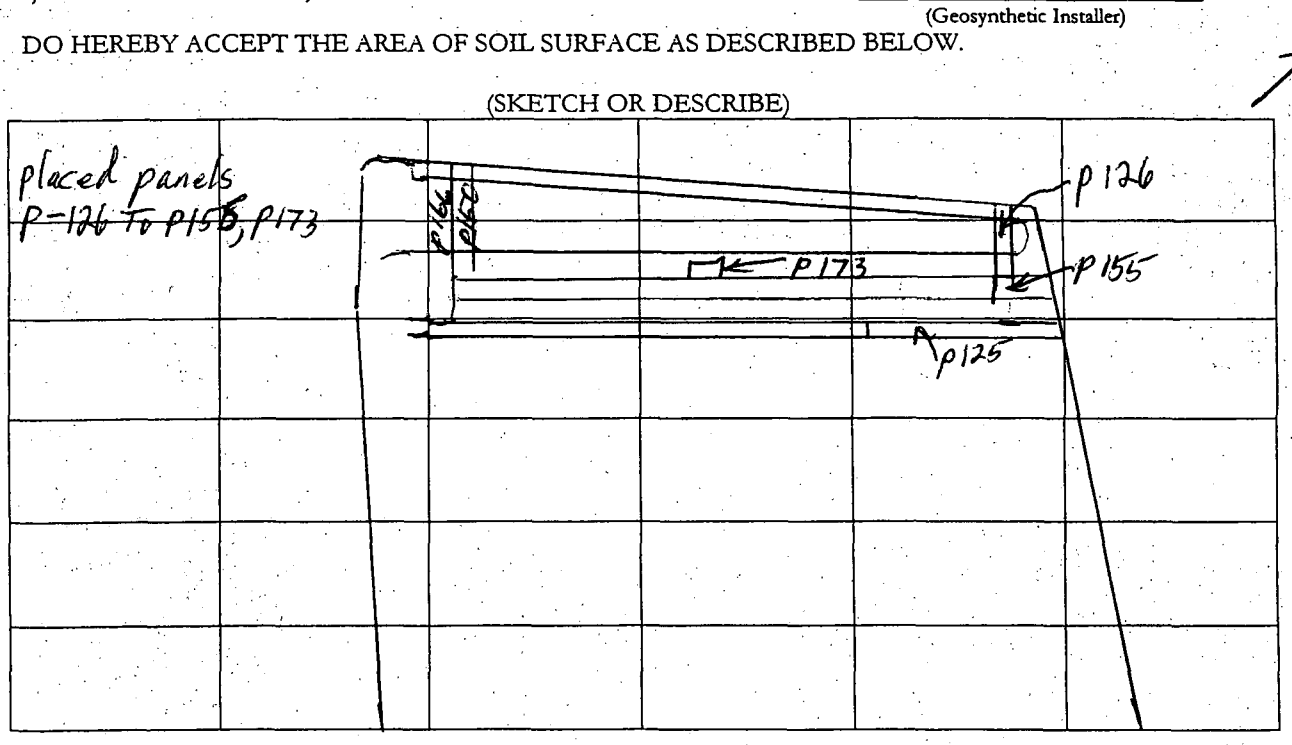
Installer: GSE
Address: 19103 Gundle Rd. Houston Tx 77073

Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)
DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



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Joe Coletta (NAME)	Supt. (TITLE)
Joseph Calitta (SIGNATURE)	10-3-02 (DATE)

Certification received by SCS

Dennis G. DuPont (NAME)	Resident Engineer (TITLE)
Dennis G. DuPont (SIGNATURE)	10-3-02 (DATE)

SCS ENGINEERS

CERTIFICATE OF SUB-BASE ACCEPTANCE

Installer: GSE
Address: 19103 Gundle Rd Houston Tx 77073

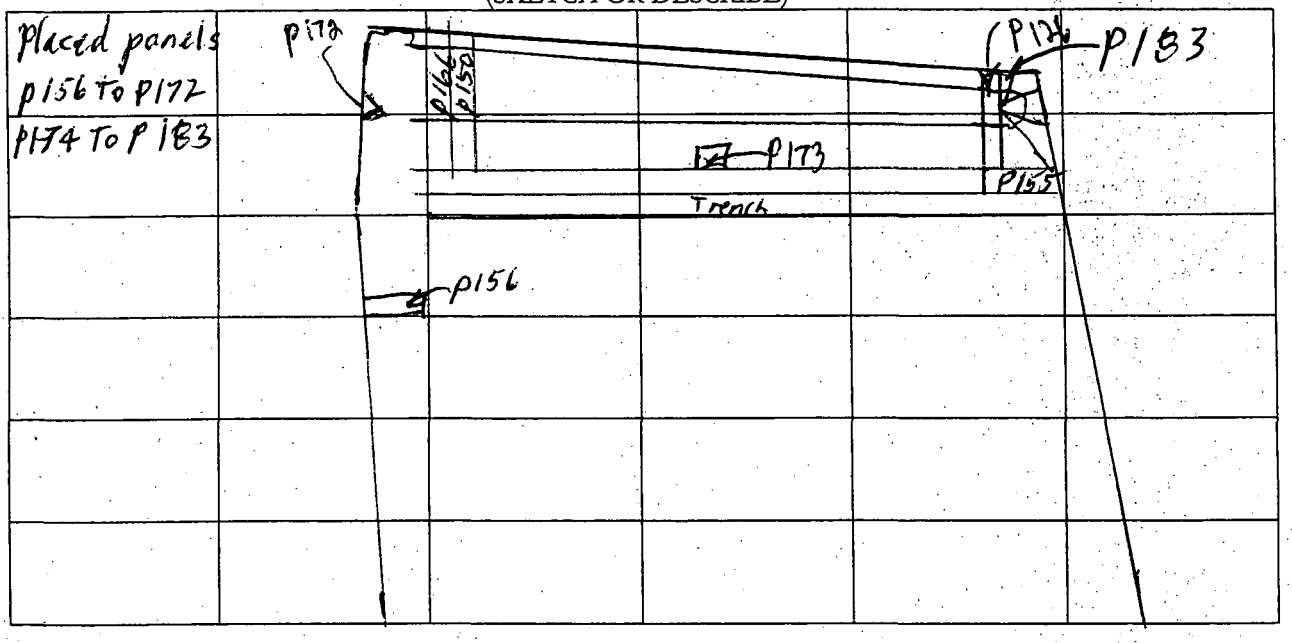
Project name: Section I Capacity Expansion
Project location: South East County Land Fill

Owner: Hillsborough County

I, THE UNDERSIGNED, DULY AUTHORIZED REPRESENTATIVE OF GSE (Geosynthetic Installer)

DO HEREBY ACCEPT THE AREA OF SOIL SURFACE AS DESCRIBED BELOW.

(SKETCH OR DESCRIBE)



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Joe Coletto — NAME
Supt. — TITLE
Joseph Coletto — SIGNATURE
10-5-02 — DATE

Certification received by SCS

Dennis G. DuPont — NAME
Resident Engineer — TITLE
Dennis G. DuPont — SIGNATURE
10-4-02 — DATE