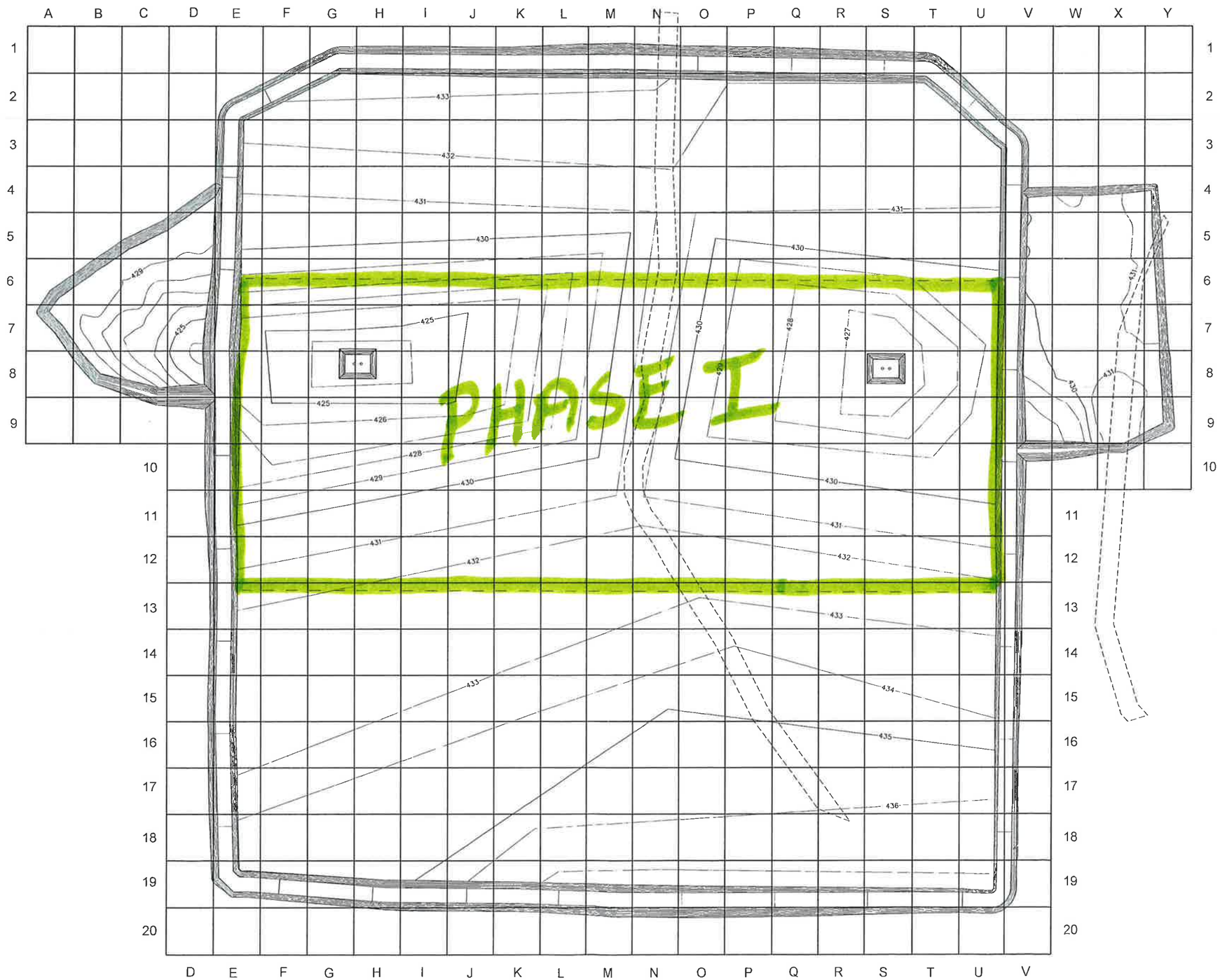
APPENDIX E

In-Place Field Test Results

- Test Reference Grid Layout
- As-Built Thickness Memorandum
- Nuclear Gauge Standard Count Log
- Engineered Fill – QC (provided by Parsons /QA
- Low-Permeability Layer

Test Reference Grid Layout

ONONDAGA LAKE
CONSTRUCTION MASTER GRID MAP



Geosyntec consultants — KENNESAW, GA

DATE:	May-11	SCALE:	AS SHOWN
PROJECT NO.	GJ4706	FILE NO.	AS SHOWN
DOCUMENT NO.	—	FIGURE NO.	1

\\CADD\J-2004\GJ4706\ARCHIVE\MXD\GJ4706_SDMS_FOR_CONSTRUCTION_REV-2_MXD.mxd 5/24/2011 1:05:54 PM

As-Built Thickness Memorandum

Geosyntec consultants

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PH 678 202 9500
www.geosyntec.com

Memorandum

Date: 14 May 2012

To: David Steele, P.E.
Parsons

From: Ramachandran Kulasingam, Ph.D., P.E., and Jay Beech, Ph.D., P.E.
Geosyntec Consultants

Subject: Evaluation of As-built Low Permeability Soil Liner Grades and Thickness in Phase 1 of the Sediment Consolidation Area (SCA), Onondaga Lake, Syracuse, NY

The purpose of this memorandum is to evaluate the as-built grades and thickness of the low permeability soil liner (i.e., clay liner) constructed in Phase 1 of the SCA to verify if the intent of the design is met. The clay liner construction was intended to satisfy the requirements of the following documents:

- Permit Drawings entitled "*Sediment Consolidation Area Final Design, Camillus, New York*", dated July 2010, revised April 2011, prepared by Parsons and Geosyntec;
- "*Construction Quality Assurance Plan, Onondaga Lake Sediment Consolidation Area (SCA) Final Design*", prepared by Geosyntec, dated April 2011; and
- Specifications entitled "*Onondaga Lake Sediment Consolidation Area (SCA) Final Design Submittal*", prepared by Parsons and Geosyntec, dated April 2011.

During construction, design modifications were typically requested to clarify project specifications and drawings in the form of "Request for Information" (RFI). Changes to the design documents were handled through Construction Field Change Forms (FCF). The RFIs and FCFs were issued by the contractor with responses by the Designer. RFI No. 16 addressed the perimeter berm elevations and FCF No. 3 the proposed design elevation of the clay liner. The as-built grades and thickness are addressed separately in the following sections.

AS-BUILT GRADES

Attachment 1 presents the design and as-built grades for the top of clay liner. The design top of clay liner drawing prepared by Geosyntec Consultants (Geosyntec) states the following on Note 3:

"The elevation measurements of the top of the low permeability soil layer taken after the construction shall be used to verify general conformance with design slopes to meet positive drainage requirements as presented in the technical specifications. Due to the compressible nature of the foundation, a strict conformance with the design elevations is not required."

The as-built grades were provided to Geosyntec by Parsons. Based on our review, the as-built clay liner grades within Phase I match the design grades closely and meet the intent of the design.

THICKNESS

To verify that the minimum thickness was achieved, the contractor used various methods to measure the minimum thickness of 18-in and 12-in thicknesses in the sump corridor and remaining areas of Phase I, respectively, were achieved. As discussed above, the contractor surveyed the low permeability layer on 50 foot grid pattern. The contractor also performed thickness calculations on 100-ft grid pattern, and in areas of less than 18 inches, installed 12 by 12-in steel plates on a 100-ft grid pattern. A hand drill with a 24-in long drill bit was used to bore into the clay liner. If the plate had not been reached at a depth of 24 inches, then a pointed rod was hammered down to the plate. Once the bit or rod had been driven to the steel plate, a mark was made on the bit or rod. Once the bit or rod was extracted, a measurement was made to determine the low-permeability clay thickness. It is noted based on the data provided to Geosyntec by Parsons, thickness measurements were not available at several locations.

Attachment 2 presents three figures related to as-built clay liner thickness. Based on the Attachment E titled "Sample Thickness and Settlement Calculation" in the "Geotechnical Instrumentation and Monitoring Plan" prepared for the SCA by Geosyntec, the clay thickness is calculated as follows:

Clay thickness = [Top of clay survey elevation] - [Initial subgrade survey elevation] + [Measured settlement].

The minimum required clay thickness is 1.5 ft within a 200-ft wide strip near the East and West Sumps and 1 ft elsewhere in Phase 1 (see Figure 1 in Attachment 2).

The surveyed elevations of the top of clay and the initial subgrade in Phase 1 were provided by Parsons in an electronic table as well as in the form of drawings presented in Attachment 2. The calculated clay thicknesses without considering the settlement of subgrade are shown in Figure 1 in Attachment 2. At 400 out of the total 411 surveyed locations (i.e., 97.3% of the total locations), the calculated clay thicknesses met the minimum required thickness when the settlement of subgrade was not considered. The clay thicknesses at the remaining 11 locations (i.e., Locations No. 1 through No. 11 on Figure 1 in Attachment 2) were further evaluated by

considering the settlement that had occurred during the clay placement. Figure 2 in Attachment 2 shows the settlement from selected settlement plates where the settlement was calculated by Parsons and verified by Geosyntec. To complete the independent thickness calculation, direct thickness measurements at the settlement plate locations were used along with the subgrade elevations, and top of clay elevations.

The justification that the clay thicknesses at the 11 locations met the minimum required thickness is presented below:

- For Locations No. 1 and No. 2 in the upper left corner, the minimum required clay thickness is 1.0 ft. The three settlement plates near these two locations show a minimum settlement of 0.22 ft. Adding the 0.22 ft of settlement, the estimated clay thicknesses at both locations met the requirement (Figure 3 of Attachment 2).

- For Locations No. 5 through No. 11 in the lower left corner, the minimum required clay thickness is 1.0 ft. The measured settlement from five settlement plates near these locations ranges from 0.33 ft to 1.22 ft with an average of 0.69 ft. Although the actual settlement at Locations No. 5 through No. 11 may vary, a settlement value of 0.4 ft (approximately mean minus one standard deviation) was considered to be reasonable for these locations based on the settlement plate data. Adding the 0.4 ft of settlement, the estimated clay thicknesses at these locations met the requirement (Figure 3 of Attachment 2).

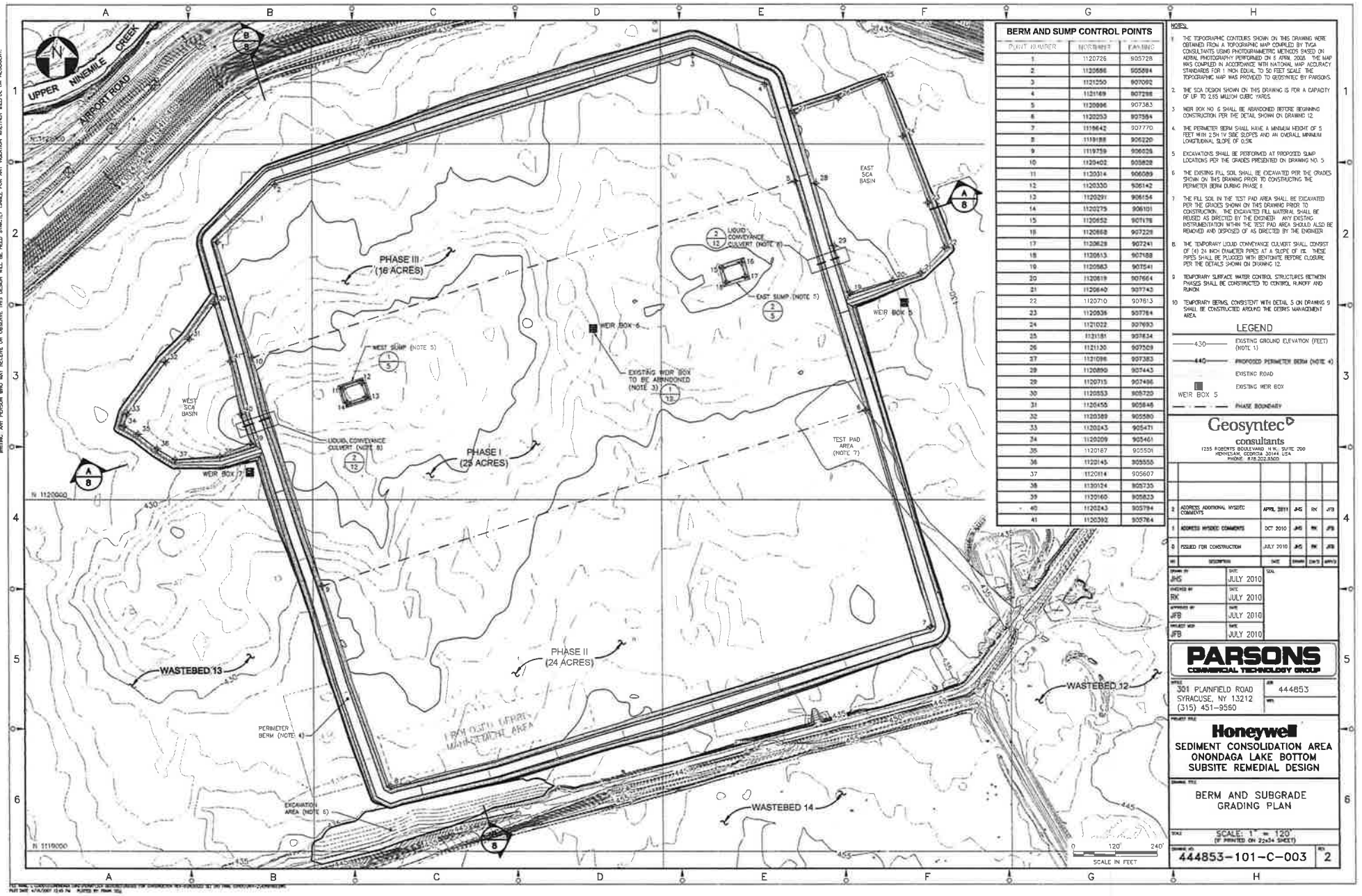
- For Locations No. 3 and No. 4 in the middle strip, the minimum required clay thickness is 1.5 ft. The measured settlement at these two locations is expected to be greater than the measured settlement at the locations in the lower left corner, because the clay placed in this area is in general thicker. The same settlement value of 0.4 ft considered for the lower left corner was considered for Locations No. 3 and No. 4 too. It is noted that the settlement plates near Location No. 4 generally show settlement greater than 0.4 ft, which confirms that the above estimated settlement of 0.4 ft at Locations No. 3 and No. 4 is reasonable. Adding the 0.4 ft of settlement, the estimated clay thicknesses at these two locations met the requirement (Figure 3 of Attachment 2).

Based on the evaluation presented in this memorandum, the thickness of clay liner installed in Phase 1 of the SCA is considered to be acceptable.

*****

Attachment 1
Design and As-Built Drawings

Approved Design Drawings
April 2011
(Prepared by Geosyntec)



BERM AND SUMP CONTROL POINTS

POINT NUMBER	NORTHING	EASTING
1	1120726	905728
2	1120686	905694
3	1121250	907092
4	1121169	907298
5	1120996	907383
6	1120253	907584
7	1119642	907770
8	1119188	906220
9	1119759	906028
10	1120402	905828
11	1120314	906089
12	1120330	906142
13	1120291	906154
14	1120275	906101
15	1120652	907178
16	1120668	907228
17	1120629	907241
18	1120613	907188
19	1120583	907541
20	1120619	907664
21	1120640	907743
22	1120710	907813
23	1120836	907784
24	1121022	907693
25	1121181	907634
26	1121130	907509
27	1121098	907383
28	1120890	907443
29	1120715	907496
30	1120553	905720
31	1120458	905646
32	1120389	905580
33	1120243	905471
34	1120209	905461
35	1120187	905501
36	1120145	905555
37	1120114	905607
38	1120124	905735
39	1120160	905823
40	1120243	905794
41	1120392	905764

NOTES:

1. THE TOPOGRAPHIC CONTOURS SHOWN ON THIS DRAWING WERE OBTAINED FROM A TOPOGRAPHIC MAP COMPILED BY TVGA CONSULTANTS USING PHOTOGRAMMETRIC METHODS BASED ON AERIAL PHOTOGRAPHY PERFORMED ON 6 APRIL 2005. THE MAP WAS COMPILED IN ACCORDANCE WITH NATIONAL MAP ACCURACY STANDARDS FOR 1 INCH EQUAL TO 50 FEET SCALE. THE TOPOGRAPHIC MAP WAS PROVIDED TO GEOSYNTEC BY PARSONS.
2. THE SCA DESIGN SHOWN ON THIS DRAWING IS FOR A CAPACITY OF UP TO 2.65 MILLION CUBIC YARDS.
3. WEIR BOX NO. 6 SHALL BE ABANDONED BEFORE BEGINNING CONSTRUCTION PER THE DETAIL SHOWN ON DRAWING 12.
4. THE PERIMETER BERM SHALL HAVE A MINIMUM HEIGHT OF 5 FEET WITH 2.5H:1V SIDE SLOPES AND AN OVERALL MINIMUM LONGITUDINAL SLOPE OF 0.5%.
5. EXCAVATIONS SHALL BE PERFORMED AT PROPOSED SUMP LOCATIONS PER THE GRADES PRESENTED ON DRAWING NO. 5.
6. THE EXISTING FILL SOIL SHALL BE EXCAVATED PER THE GRADES SHOWN ON THIS DRAWING PRIOR TO CONSTRUCTING THE PERIMETER BERM DURING PHASE II.
7. THE FILL SOIL IN THE TEST PAD AREA SHALL BE EXCAVATED PER THE GRADES SHOWN ON THIS DRAWING PRIOR TO CONSTRUCTION. THE EXCAVATED FILL MATERIAL SHALL BE REUSED AS DIRECTED BY THE ENGINEER. ANY EXISTING INSTRUMENTATION WITHIN THE TEST PAD AREA SHOULD ALSO BE REMOVED AND DISPOSED OF AS DIRECTED BY THE ENGINEER.
8. THE TEMPORARY LIQUID CONVEYANCE CULVERT SHALL CONSIST OF (4) 24 INCH DIAMETER PIPES AT A SLOPE OF 1%. THESE PIPES SHALL BE PLUGGED WITH BENTONITE BEFORE CLOSURE, PER THE DETAILS SHOWN ON DRAWING 12.
9. TEMPORARY SURFACE WATER CONTROL STRUCTURES BETWEEN PHASES SHALL BE CONSTRUCTED TO CONTROL RUNOFF AND RUNON.
10. TEMPORARY BERMS, CONSISTENT WITH DETAIL 5 ON DRAWING 9 SHALL BE CONSTRUCTED AROUND THE DEBRIS MANAGEMENT AREA.

LEGEND

- 430 — EXISTING GROUND ELEVATION (FEET) (NOTE 1)
- 440 — PROPOSED PERIMETER BERM (NOTE 4)
- EXISTING ROAD
- WEIR BOX 5 — EXISTING WEIR BOX
- PHASE BOUNDARY

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KENNESAW, GEORGIA 30144 USA
PHONE: 678.202.8500

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APP'D
2	ADDRESS ADDITIONAL NYSDEC COMMENTS	APRIL 2011	JHS	RK	JFB
1	ADDRESS NYSDEC COMMENTS	OCT 2010	JHS	RK	JFB
0	ISSUED FOR CONSTRUCTION	JULY 2010	JHS	RK	JFB

DRAWN BY	JHS	DATE JULY 2010
CHECKED BY	RK	DATE JULY 2010
APPROVED BY	JFB	DATE JULY 2010
PROJECT MGR	JFB	DATE JULY 2010

PARSONS
COMMERCIAL TECHNOLOGY GROUP
301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853

WO#

PROJECT TITLE

Honeywell

SEDIMENT CONSOLIDATION AREA
ONONDAGA LAKE BOTTOM
SUBSITE REMEDIAL DESIGN

DRAWING TITLE

BERM AND SUBGRADE GRADING PLAN

SCALE: 1" = 120'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-101-C-003 REV. 2

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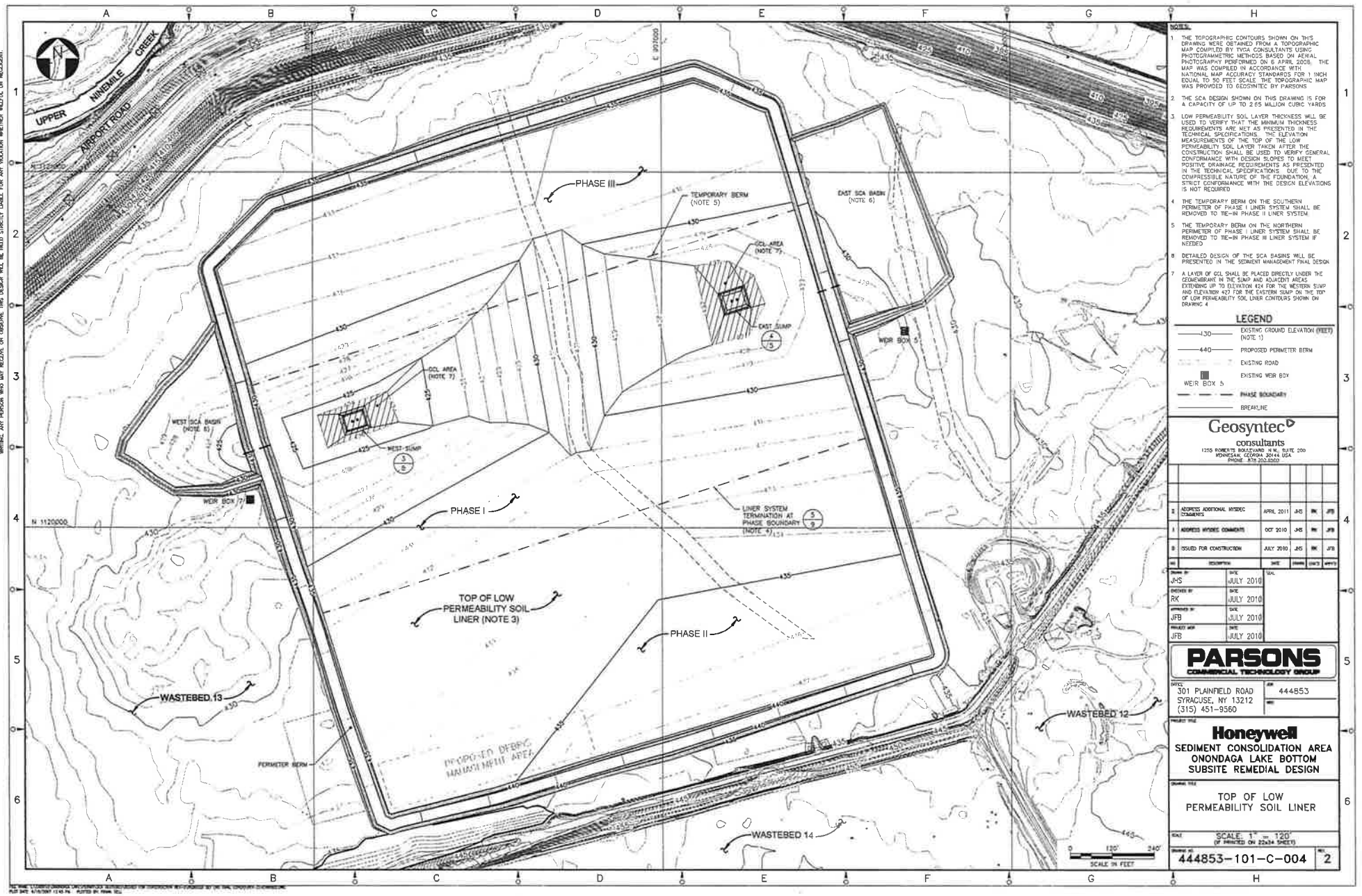

NOTES:

1. THE TOPOGRAPHIC CONTOURS SHOWN ON THIS DRAWING WERE OBTAINED FROM A TOPOGRAPHIC MAP COMPILED BY TVGA CONSULTANTS USING PHOTOGRAMMETRIC METHODS BASED ON AERIAL PHOTOGRAPHY PERFORMED ON 6 APRIL 2005. THE MAP WAS COMPILED IN ACCORDANCE WITH NATIONAL MAP ACCURACY STANDARDS FOR 1 INCH EQUAL TO 50 FEET SCALE. THE TOPOGRAPHIC MAP WAS PROVIDED TO GEOSYNTEC BY PARSONS
2. THE SCA DESIGN SHOWN ON THIS DRAWING IS FOR A CAPACITY OF UP TO 2.65 MILLION CUBIC YARDS
3. LOW PERMEABILITY SOIL LAYER THICKNESS WILL BE USED TO VERIFY THAT THE MINIMUM THICKNESS REQUIREMENTS ARE MET AS PRESENTED IN THE TECHNICAL SPECIFICATIONS. THE ELEVATION MEASUREMENTS OF THE TOP OF THE LOW PERMEABILITY SOIL LAYER TAKEN AFTER THE CONSTRUCTION SHALL BE USED TO VERIFY GENERAL CONFORMANCE WITH DESIGN SLOPES TO MEET POSITIVE DRAINAGE REQUIREMENTS AS PRESENTED IN THE TECHNICAL SPECIFICATIONS. DUE TO THE COMPRESSIBLE NATURE OF THE FOUNDATION, A STRICT CONFORMANCE WITH THE DESIGN ELEVATIONS IS NOT REQUIRED
4. THE TEMPORARY BERM ON THE SOUTHERN PERIMETER OF PHASE I LINER SYSTEM SHALL BE REMOVED TO TIE-IN PHASE II LINER SYSTEM.
5. THE TEMPORARY BERM ON THE NORTHERN PERIMETER OF PHASE I LINER SYSTEM SHALL BE REMOVED TO TIE-IN PHASE III LINER SYSTEM IF NEEDED
6. DETAILED DESIGN OF THE SCA BASINS WILL BE PRESENTED IN THE SEDIMENT MANAGEMENT FINAL DESIGN
7. A LAYER OF GCL SHALL BE PLACED DIRECTLY UNDER THE GEOMEMBRANE IN THE SUMP AND ADJACENT AREAS EXTENDING UP TO ELEVATION 424 FOR THE WESTERN SUMP AND ELEVATION 423 FOR THE EASTERN SUMP ON THE TOP OF LOW PERMEABILITY SOIL LINER CONTOURS SHOWN ON DRAWING 4

LEGEND

- 430 — EXISTING GROUND ELEVATION (FEET) (NOTE 1)
- 440 — PROPOSED PERIMETER BERM
- EXISTING ROAD
- WEIR BOX 5 — EXISTING WEIR BOX
- PHASE BOUNDARY
- BREAKLINE

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NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APP'D
2	ADDRESS ADDITIONAL NYSDEC COMMENTS	APRIL 2011	JHS	RK	JFB
1	ADDRESS NYSDEC COMMENTS	OCT 2010	JHS	RK	JFB
0	ISSUED FOR CONSTRUCTION	JULY 2010	JHS	RK	JFB

DRAWN BY	JHS	DATE JULY 2010
CHECKED BY	RK	DATE JULY 2010
APPROVED BY	JFB	DATE JULY 2010
PROJECT MGR	JFB	DATE JULY 2010

SEAL

PARSONS
COMMERCIAL TECHNOLOGY GROUP
OFFICE: 301 PLAINFIELD ROAD, SYRACUSE, NY 13212, (315) 451-9560

JOB: 444853

REV:

PROJECT TITLE

Honeywell
SEDIMENT CONSOLIDATION AREA
ONONDAGA LAKE BOTTOM
SUBSITE REMEDIAL DESIGN

DRAWING TITLE

TOP OF LOW PERMEABILITY SOIL LINER

SCALE: 1" = 120' (IF PRINTED ON 22x34 SHEET)

DRAWING NO: 444853-101-C-004 REV: 2

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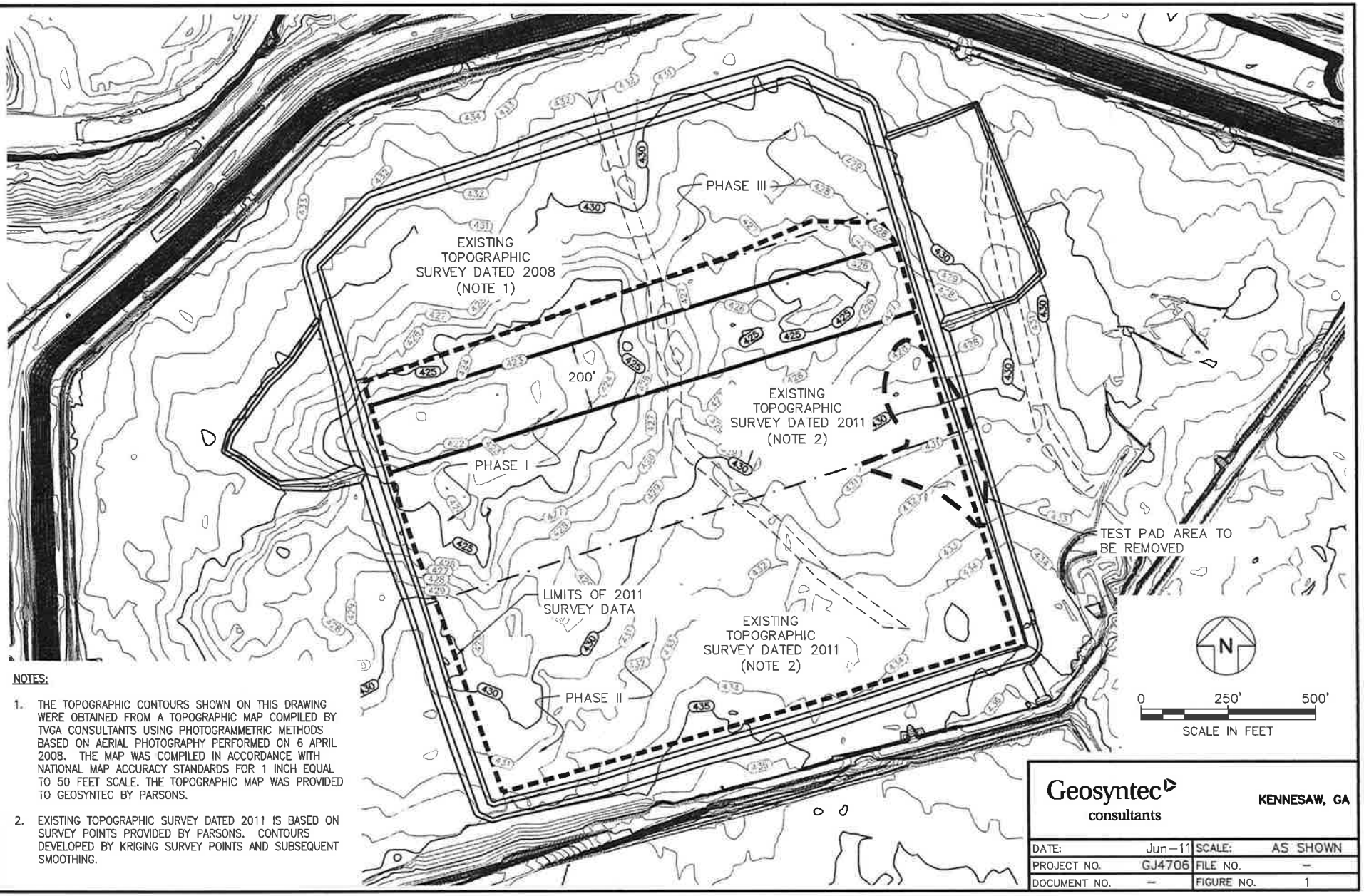
Revised Design Grades per Field Change Form #3
August 2011
(Prepared by Geosyntec)



NOTES:

1. THE TOPOGRAPHIC CONTOURS SHOWN ON THIS DRAWING WERE OBTAINED FROM A TOPOGRAPHIC MAP COMPILED BY TVGA CONSULTANTS USING PHOTOGRAMMETRIC METHODS BASED ON AERIAL PHOTOGRAPHY PERFORMED ON 6 APRIL 2008. THE MAP WAS COMPILED IN ACCORDANCE WITH NATIONAL MAP ACCURACY STANDARDS FOR 1 INCH EQUAL TO 50 FEET SCALE. THE TOPOGRAPHIC MAP WAS PROVIDED TO GEOSYNTEC BY PARSONS.

2. EXISTING TOPOGRAPHIC SURVEY DATED 2011 IS BASED ON SURVEY POINTS PROVIDED BY PARSONS. CONTOURS DEVELOPED BY KRIGING SURVEY POINTS AND SUBSEQUENT SMOOTHING.

Geosyntec consultants — KENNESAW, GA

DATE:	Jun-11	SCALE:	AS SHOWN
PROJECT NO.	GJ4706	FILE NO.	–
DOCUMENT NO.	–	FIGURE NO.	1

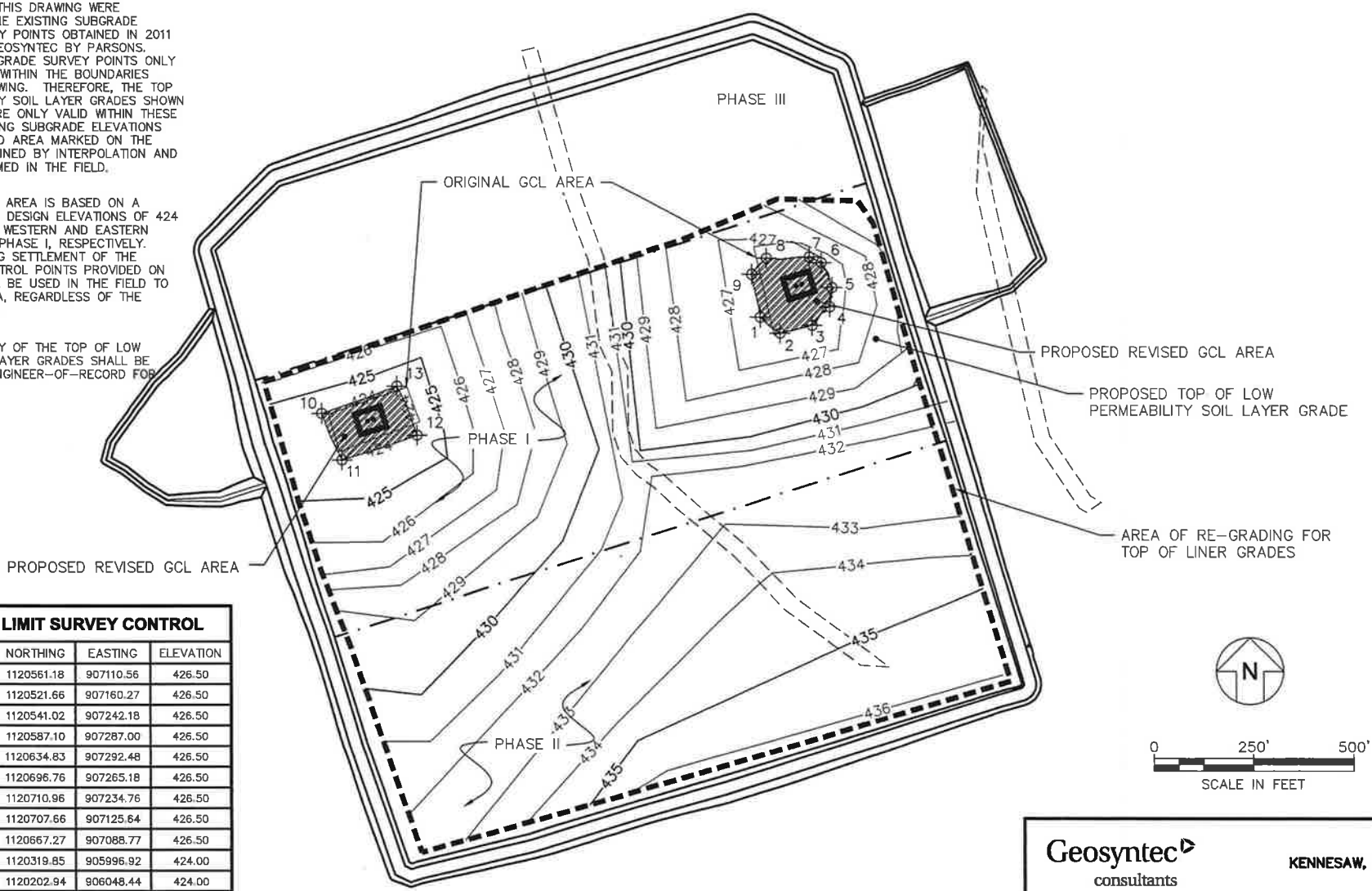
L:\CADD\O\ONONDAGA LAKE\PERMIT\SCA GEOTUBES\ISSUED FOR CONSTRUCTION REV-0\REDUCED SET (NO FINAL COVER)\REV-3\4299X0006_TOP OF LINER (REVISED WITH PHASE II)

NOTES:

1. THE TOP OF LOW PERMEABILITY SOIL LAYER GRADES SHOWN ON THIS DRAWING WERE DEVELOPED USING THE EXISTING SUBGRADE TOPOGRAPHIC SURVEY POINTS OBTAINED IN 2011 AND PROVIDED TO GEOSYNTEC BY PARSONS. THESE EXISTING SUBGRADE SURVEY POINTS ONLY COVERED THE AREA WITHIN THE BOUNDARIES SHOWN ON THE DRAWING. THEREFORE, THE TOP OF LOW PERMEABILITY SOIL LAYER GRADES SHOWN ON THIS DRAWING ARE ONLY VALID WITHIN THESE BOUNDARIES. EXISTING SUBGRADE ELEVATIONS WITHIN THE TEST PAD AREA MARKED ON THE DRAWING WERE OBTAINED BY INTERPOLATION AND NEED TO BE CONFIRMED IN THE FIELD.

2. THE GCL PLACEMENT AREA IS BASED ON A TARGET AREA WITHIN DESIGN ELEVATIONS OF 424 AND 426.5 FOR THE WESTERN AND EASTERN PARTS OF THE SCA PHASE I, RESPECTIVELY. DUE TO THE ONGOING SETTLEMENT OF THE SUBGRADE, THE CONTROL POINTS PROVIDED ON THIS DRAWING SHALL BE USED IN THE FIELD TO STAKEOUT THIS AREA, REGARDLESS OF THE ACTUAL ELEVATIONS.

3. AN AS-BUILT SURVEY OF THE TOP OF LOW PERMEABILITY SOIL LAYER GRADES SHALL BE PROVIDED TO THE ENGINEER-OF-RECORD FOR APPROVAL.



SUMP GCL LIMIT SURVEY CONTROL

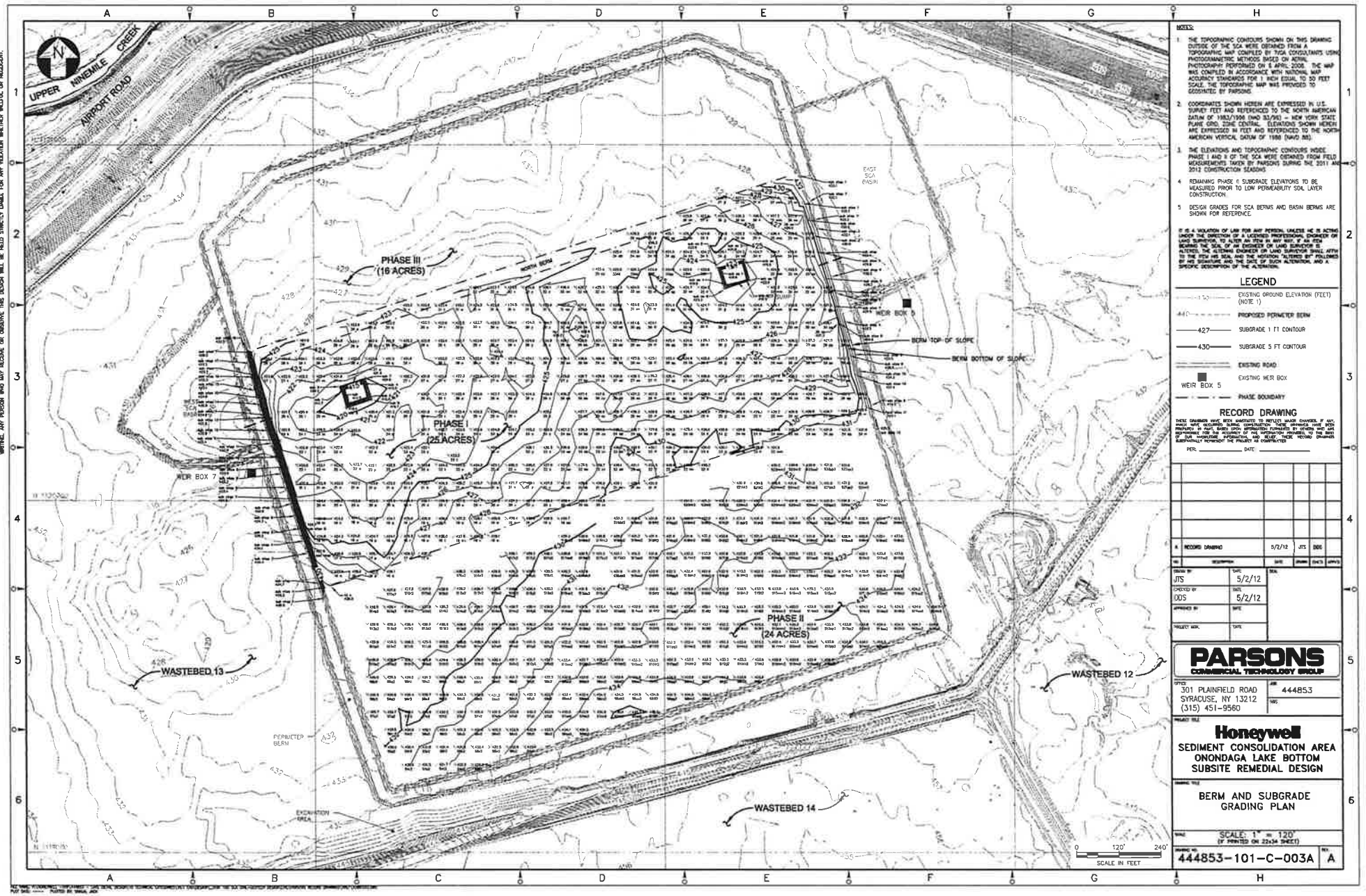
POINT NUMBER	NORTHING	EASTING	ELEVATION
1	1120561.18	907110.56	426.50
2	1120521.66	907160.27	426.50
3	1120541.02	907242.18	426.50
4	1120587.10	907287.00	426.50
5	1120634.83	907292.48	426.50
6	1120696.76	907265.18	426.50
7	1120710.96	907234.76	426.50
8	1120707.66	907125.64	426.50
9	1120667.27	907088.77	426.50
10	1120319.85	905996.92	424.00
11	1120202.94	906048.44	424.00
12	1120265.16	906239.42	424.00
13	1120387.43	906188.22	424.00

Geosyntec consultants — KENNESAW, GA

DATE:	Aug-11	SCALE:	AS SHOWN
PROJECT NO.	GJ4706	FILE NO.	-
DOCUMENT NO.	-	FIGURE NO.	2

L:\CADD\O\ONONDAGA LAKE\PERMIT\SCA GEOTUBES\ISSUED FOR CONSTRUCTION REV-0\REDUCED SET (NO FINAL COVER)\REV-3\DRAWINGS\4299X006_TOP OF LINER (REVISED WITH PHASE III_SUMP).DWG

As-Built Grades
May 2012
(Prepared by Parsons)



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NOTES:

1. THE TOPOGRAPHIC CONTOURS SHOWN ON THIS DRAWING OUTSIDE OF THE SCA WERE OBTAINED FROM A TOPOGRAPHIC MAP COMPILED BY TVGA CONSULTANTS USING PHOTOGRAMMETRIC METHODS BASED ON AERIAL PHOTOGRAPHY PERFORMED ON 6 APRIL 2008. THE MAP WAS COMPILED IN ACCORDANCE WITH NATIONAL MAP ACCURACY STANDARDS FOR 1 INCH EQUAL TO 50 FEET SCALE. THE TOPOGRAPHIC MAP WAS PROVIDED TO GOSSINTED BY PARSONS.
2. COORDINATES SHOWN HEREIN ARE EXPRESSED IN U.S. SURVEY FEET AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983/1996 (NAD 83/96) – NEW YORK STATE PLANE GRID, ZONE CENTRAL. ELEVATIONS SHOWN HEREIN ARE EXPRESSED IN FEET AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
3. THE ELEVATIONS AND TOPOGRAPHIC CONTOURS INSIDE PHASE I AND II OF THE SCA WERE OBTAINED FROM FIELD MEASUREMENTS TAKEN BY PARSONS DURING THE 2011 AND 2012 CONSTRUCTION SEASONS.
4. REMAINING PHASE II SUBGRADE ELEVATIONS TO BE MEASURED PRIOR TO LOW PERMEABILITY SOIL LAYER CONSTRUCTION.
5. DESIGN GRADES FOR SCA BERMS AND BASIN BERMS ARE SHOWN FOR REFERENCE.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

LEGEND

- EXISTING GROUND ELEVATION (FEET) (NOTE 1)
- PROPOSED PERIMETER BERM
- SUBGRADE 1 FT CONTOUR
- SUBGRADE 5 FT CONTOUR
- EXISTING ROAD
- EXISTING WEIR BOX
- PHASE BOUNDARY

RECORD DRAWING

THESE DRAWINGS HAVE BEEN ANNOTATED TO REFLECT MAJOR CHANGES, IF ANY, WHICH HAVE OCCURRED DURING CONSTRUCTION. THESE CHANGES HAVE BEEN PROVIDED BY FIELD BASED DATA OBTAINED FURNISHED BY OTHERS AND ARE NOT OUR WARRANTIES REPRESENTATION AND RELIABILITY WITH RESPECT TO THE BASIS FOR OUR ANNOTATIONS INFORMATION AND RELIABILITY. THESE RECORD DRAWINGS ESSENTIALLY REPRESENT THE FINALITY AS CONSTRUCTED.

PER: _____ DATE: _____

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APP'D
A	RECORD DRAWING	5/2/12	JTS	DDS	

DESIGNED BY JTS	DATE 5/2/12	SEAL
CREATED BY DDS	DATE 5/2/12	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

PARSONS
COMMERCIAL TECHNOLOGY GROUP

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301 PLAINFIELD ROAD
SYRACUSE, NY 13212
(315) 451-9560

JOB 444853
WBS

PROJECT TITLE
Honeywell
SEDIMENT CONSOLIDATION AREA
ONONDAGA LAKE BOTTOM
SUBSITE REMEDIAL DESIGN

DRAWING TITLE
BERM AND SUBGRADE GRADING PLAN

SCALE
SCALE: 1" = 120'
(IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-101-C-003A REV. A

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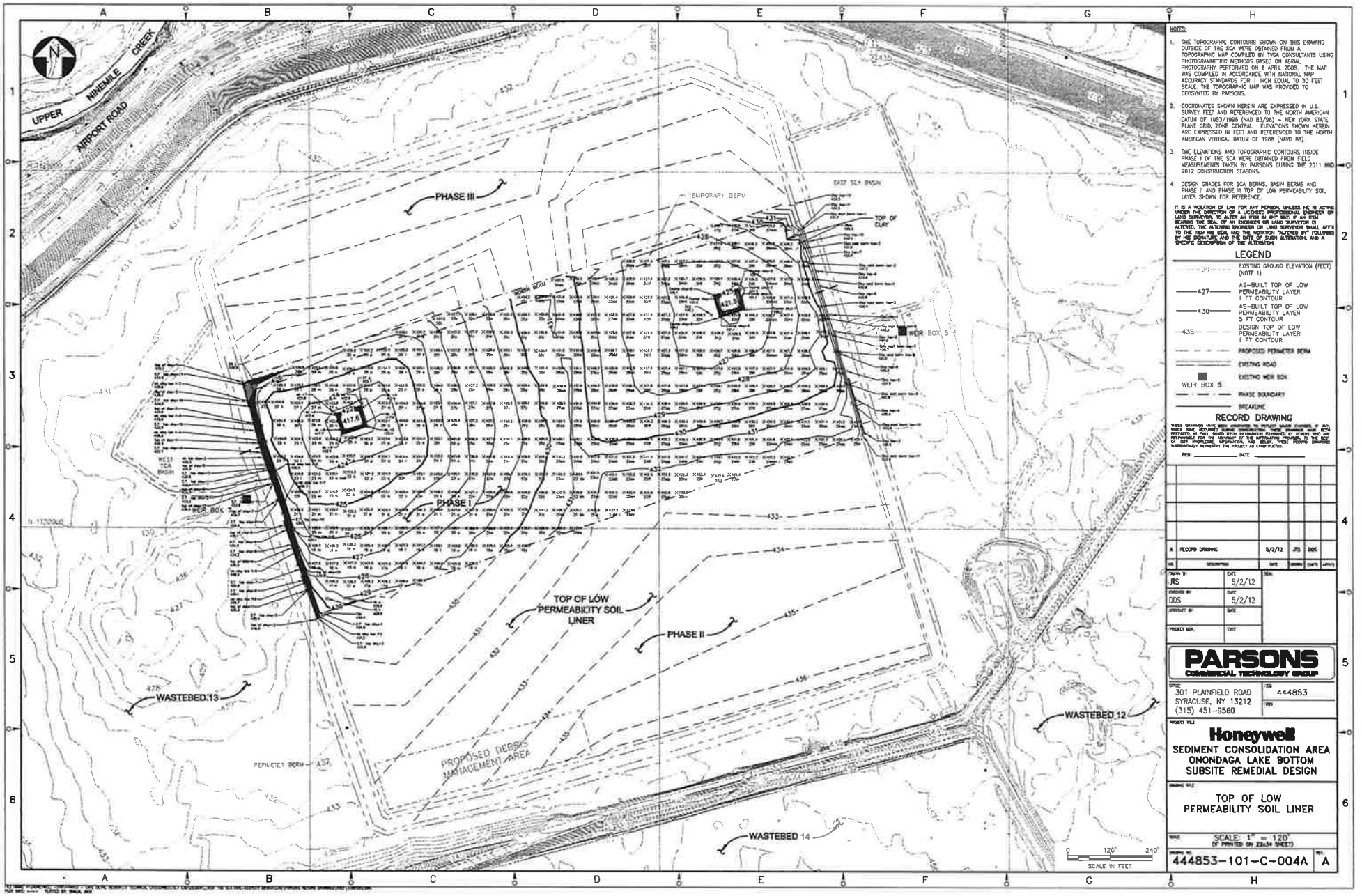


NOTES:

1. THE TOPOGRAPHIC CONTOURS SHOWN ON THIS DRAWING OUTSIDE OF THE SCA WERE OBTAINED FROM A TOPOGRAPHIC MAP COMPILED BY TVGA CONSULTANTS USING PHOTOGRAMMETRIC METHODS BASED ON AERIAL PHOTOGRAPHY PERFORMED ON 6 APRIL 2008. THE MAP WAS COMPILED IN ACCORDANCE WITH NATIONAL MAP ACCURACY STANDARDS FOR 1 INCH EQUAL TO 30 FEET SCALE. THE TOPOGRAPHIC MAP WAS PROVIDED TO GEOSYNTEC BY PARSONS.
2. COORDINATES SHOWN HEREIN ARE EXPRESSED IN U.S. SURVEY FEET AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983/1996 (NAD 83/96) – NEW YORK STATE PLANE GRID, ZONE CENTRAL. ELEVATIONS SHOWN HEREIN ARE EXPRESSED IN FEET AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
3. THE ELEVATIONS AND TOPOGRAPHIC CONTOURS INSIDE PHASE I OF THE SCA WERE OBTAINED FROM FIELD MEASUREMENTS TAKEN BY PARSONS DURING THE 2011 AND 2012 CONSTRUCTION SEASONS.
4. DESIGN GRADES FOR SCA BERMS, BASIN BERMS AND PHASE II AND PHASE III TOP OF LOW PERMEABILITY SOIL LAYER SHOWN FOR REFERENCE.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

LEGEND

- EXISTING GROUND ELEVATION (FEET) (NOTE 1)
- 427 — AS-BUILT TOP OF LOW PERMEABILITY LAYER 1 FT CONTOUR
- 430 — AS-BUILT TOP OF LOW PERMEABILITY LAYER 5 FT CONTOUR
- 435 — DESIGN TOP OF LOW PERMEABILITY LAYER 1 FT CONTOUR
- PROPOSED PERIMETER BERM
- EXISTING ROAD
- WEIR BOX 5 — EXISTING WEIR BOX
- PHASE BOUNDARY
- BREAKLINE

RECORD DRAWING

THESE DRAWINGS HAVE BEEN MODIFIED TO REFLECT SUBSEQUENT CHANGES IN SOME INSTANCE THESE CHANGES WERE SUBSTANTIAL. AS SUCH, THESE DRAWINGS WERE PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY OTHERS WHO ARE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. TO THE BEST OF OUR KNOWLEDGE, INFORMATION, AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.

PER _____ DATE _____

NO	DESCRIPTION	DATE	DRAWN	CHK'D	APP'D
A	RECORD DRAWING	5/2/12	JTS	DDS	

DRAWN BY JTS	DATE 5/2/12	SEAL
CHECKED BY DDS	DATE 5/2/12	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

PARSONS
COMMERCIAL TECHNOLOGY GROUP
OFFICE 301 PLAINFIELD ROAD SYRACUSE, NY 13212 (315) 451-9560
JOB 444853
WBS

PROJECT TITLE

Honeywell

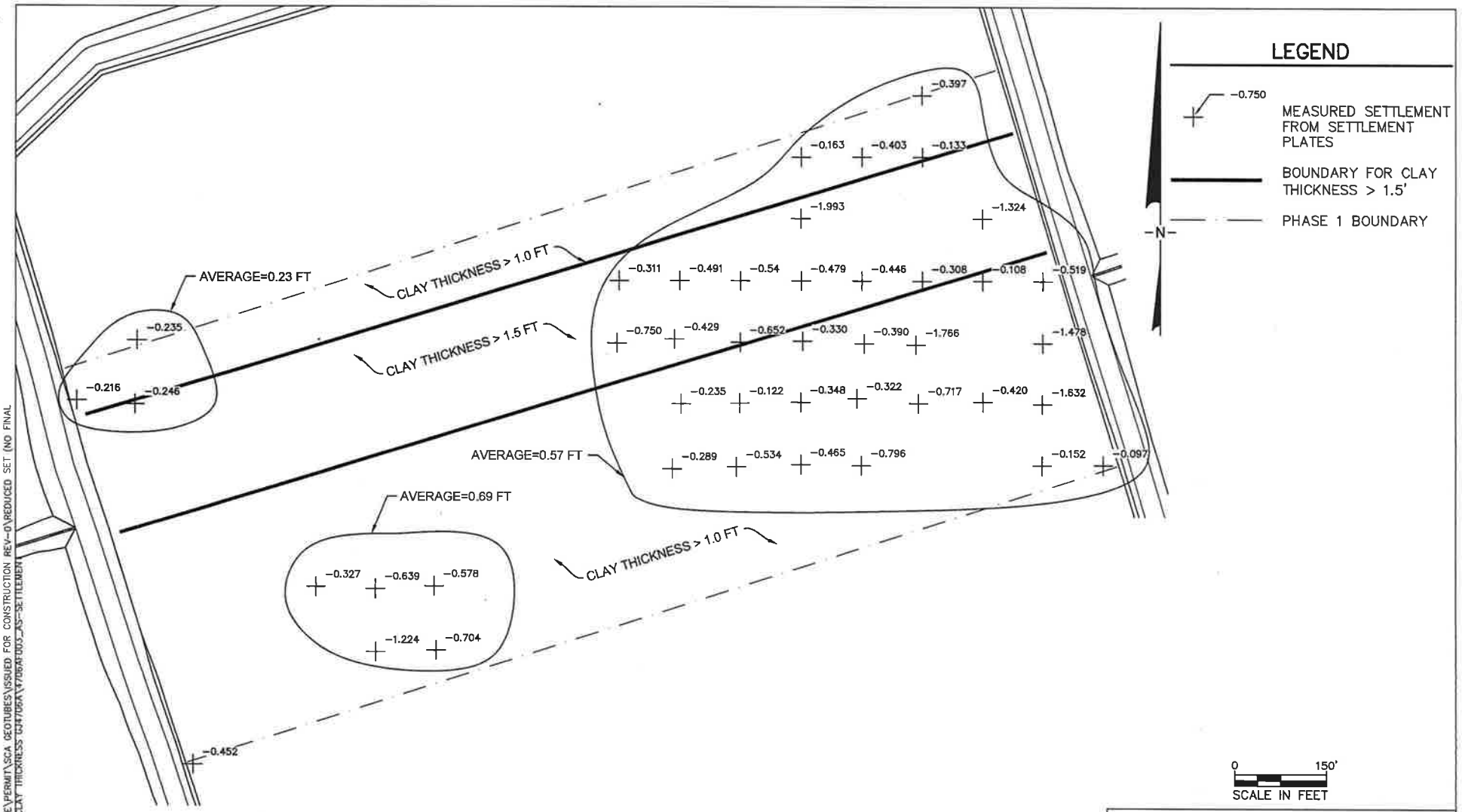
SEDIMENT CONSOLIDATION AREA ONONDAGA LAKE BOTTOM SUBSITE REMEDIAL DESIGN

DRAWING TITLE

TOP OF LOW PERMEABILITY SOIL LINER

SCALE: 1" = 120' (IF PRINTED ON 22x34 SHEET)

DRAWING NO. 444853-101-C-004A REV. A

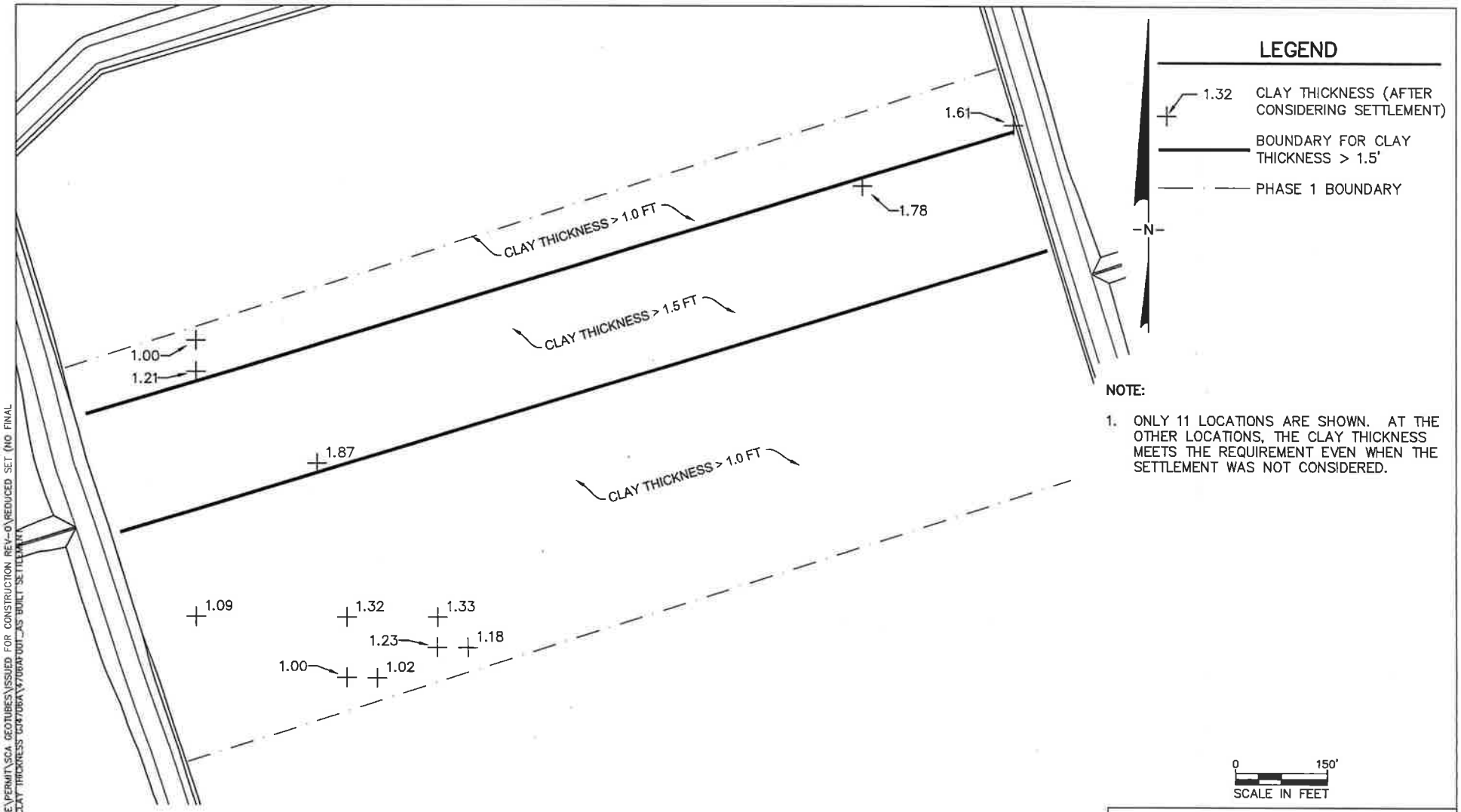


MEASURED SETTLEMENT FROM SELECTED SETTLEMENT PLATES

Geosyntec consultants

DATE:	DEC 2011	SCALE:	AS SHOWN
PROJECT NO.	GJ4706A	FILE NO.	4706AF003
DOCUMENT NO.	–	FIGURE NO.	2

L:\CAD\ONONDAGA LAKE\PERMIT\SCA GEOTUBES\ISSUED FOR CONSTRUCTION REV-0\REDUCED SET (NO FINAL COVER)\REF-3\DRAWINGS\CLAY THICKNESS GJ4706A\4706AF003_AS-SETTLEMENT



ESTIMATED CLAY THICKNESS (AFTER CONSIDERING SETTLEMENT)

L:\CADD\O\ONONDAGA LAKE\PERMIT\SCA GEOTUBES\ISSUED FOR CONSTRUCTION REV-0\REDUCED SET (NO FINAL COVER)\REV-3\DRAWINGS\CLAY THICKNESS GJ4706A\4706AF001_AS BUILT SETTLEMENT

Geosyntec consultants

DATE:	DEC 2011	SCALE:	AS SHOWN
PROJECT NO.	GJ4706A	FILE NO.	4706AF001
DOCUMENT NO.	–	FIGURE NO.	3

Nuclear Gauge Standard Count Log

Geosyntec
consultants

Nuclear Gauge Standard Count Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Model: Troxler 3430 *SerialNo:* 33267
ArrivalDate: *DepartureDate:*
LeakTestDate:

Date	*Moisture Count*	*Density Count*	*Result*	*QAID*
5/9/2011	2491	593	P	BB
5/9/2011	2498	587	P	BB
5/9/2011	2497	594	P	BB
5/9/2011	2497	593	P	BB
5/9/2011	2497	593	P	BB
5/10/2011	2508	593	P	BB
5/11/2011	2494	592	P	BB
5/12/2011	2497	593	P	BB

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Nuclear Gauge Standard Count Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

7/28/2011	2331	693	P	BB
8/1/2011	2328	698	P	BB
8/2/2011	2308	698	P	BB
8/4/2011	2304	696	P	BB
8/5/2011	2307	698	P	BB
8/19/2011	2310	700	P	BB
8/20/2011	2311	697	p	BB
8/23/2011	2308	698	P	BB
9/1/2011	2312	701	P	BB
9/2/2011	2315	699	P	BB
9/13/2011	2321	701	P	DW
9/14/2011	2335	697	P	DW
9/16/2011	2337	693	P	DW
9/21/2011	2333	695	P	BB
9/28/2011	2329	698	P	BB
10/6/2011	2328	699	P	BB
10/10/2011	2325	696	P	BB
10/11/2011	2329	701	P	BB
10/12/2011	2327	699	P	BB
10/18/2011	2328	698	P	BB
11/3/2011	2326	697	P	BB

Geosyntec
consultants

Nuclear Gauge Standard Count Log

Project:	Onondaga Lake Sediment Consolidation Area (SCA)	ProjNo:	GJ4706
Location:	Camillus, New York	TaskNo:	07
Description:	Construction Quality Assurance for Onondaga SCA Phase I Cell		

Engineered Fill – QC (from Parsons)/QA

- Field Density Tests
- Drive Cylinders

Field Density Test

Parsons QC Summary
Engineered Fill
In-Place Density Tests

Test Number	Date	Location	Coordinates N E	Gauge Manufacturer	Gauge Model No./Serial No.	Report No.	Elevation	Wet Unit Weight	Percent Moisture	Dry Unit Weight	Proctor Number	Proctor Maximum Density	Proctor Optimum Moisture Content	Percent Compaction	Pass Fail	Comments
1	10/21/10	East Berm	S29qq	Troxler	3411B/9012	ST3104S-01	433.0	143.1	9.9	130.1	S06-SF02	131.7	8.0	99	Pass	1st lift consisted of 14" over SOLW, rolled but not tested. 2nd lift 8" compacted lift and tested
2	10/21/10	East Berm	S31qq	Troxler	3411B/9012	ST3104S-01	431.5	144.9	8.5	133.5	S06-SF02	131.7	8.0	101	Pass	
3	10/21/10	East Berm	S33pp	Troxler	3411B/9012	ST3104S-01	429.2	142.2	10.0	129.1	S06-SF02	131.7	8.0	98	Pass	
4	10/21/10	East Berm	S35pp	Troxler	3411B/9012	ST3104S-01	428.9	143.2	8.7	131.7	S06-SF02	131.7	8.0	100	Pass	Material sample (SF-26) taken to validate proctor value.
5	10/21/10	East Berm	S37oo	Troxler	3411B/9012	ST3104S-01	429.5	142.7	9.0	130.2	S06-SF02	131.7	8.0	99	Pass	
6	10/21/10	East Berm	S18uu	Troxler	3411B/9012	ST3104S-01	436.8	143.5	8.3	132.5	S06-SF02	131.7	8.0	101	Pass	Material sample (SF-27) taken to validate proctor value
7	10/21/10	East Berm	S16uu	Troxler	3411B/9012	ST3104S-01	437.0	141.9	9.2	129.8	S06-SF02	131.7	8.0	99	Pass	
8	10/21/10	East Berm	S13uu	Troxler	3411B/9012	ST3104S-01	437.2	140.7	8.7	129.4	S06-SF02	131.7	8.0	98	Pass	
9	10/21/10	South Berm	S12uu	Troxler	3411B/9012	ST3104S-01	437.4	143.6	8.5	132.2	S06-SF02	131.7	8.0	100	Pass	Material sample (SF-28) taken to validate proctor value
10	10/25/10	East Berm	S17vv	Troxler	3411B/9012	ST3104S-02	436.8	147.4	9.0	135.1	S104-SF25	136.2	7.8	99	Pass	
11	10/25/10	East Berm	S15vv	Troxler	3411B/9012	ST3104S-02	437.3	148.1	9.0	135.9	S104-SF25	136.2	7.8	100	Pass	
12	10/25/10	South Berm	S13ww	Troxler	3411B/9012	ST3104S-02	438.2	141.6	9.8	128.9	S104-SF25	136.2	7.8	95	Fail	Density less than 95%. Retested as #17.
13	10/25/10	South Berm	S12ww	Troxler	3411B/9012	ST3104S-02	437.2	143.6	10.1	130.3	S104-SF25	136.2	7.8	96	Fail	Moisture greater than 2% over optimum. Retested as #18
14	10/25/10	South Berm	S10ss	Troxler	3411B/9012	ST3104S-02	436.8	144.9	8.0	134.0	S104-SF25	136.2	7.8	98	Pass	
15	10/25/10	East Berm	S26ss	Troxler	3411B/9012	ST3104S-02	437.8	152.6	7.2	142.3	S104-SF25	136.2	7.8	104	Pass	
16	10/25/10	East Berm	S28rr	Troxler	3411B/9012	ST3104S-02	434.1	148.1	8.3	136.7	S104-SF25	136.2	7.8	100	Pass	
17	10/26/10	South Berm	S13ww	Troxler	3411B/9012	ST3104S-03	438.0	142.8	12.1	127.3	S104-SF25	136.2	7.8	93	Fail	Retest of #12. Density less than 95% and moisture greater than 2% over optimum. Retested as #19.
18	10/26/10	South Berm	S12ww	Troxler	3411B/9012	ST3104S-03	437.0	144.3	10.7	130.3	S104-SF25	136.2	7.8	96	Fail	Retest of #13. Moisture greater than 2% over optimum. Retested as #20.
19	10/28/10	South Berm	S13ww	Troxler	3411B/9012	ST3104S-04	438.0	137.0	7.2	127.9	S06-SF03	131.7	8.0	97	Pass	Retest of #17. Wet material removed and replaced. Proctor changed.
20	10/28/10	South Berm	S12ww	Troxler	3411B/9012	ST3104S-04	437.0	143.3	7.7	133.0	S104-SF25	136.2	7.7	98	Pass	Retest of #18.
21	11/2/10	South Berm	S7ll	Troxler	3411B/9012	ST3104S-06	436.3	149.0	9.0	136.6	S118-SF32	144.9	5.0	94	Fail	Density less than 95% and moisture greater than 2% over optimum. Retested as #38.
22	11/2/10	South Berm	S8kk	Troxler	3411B/9012	ST3104S-06	436.5	147.8	8.6	136.0	S118-SF32	144.9	5.0	94	Fail	Density less than 95% and moisture greater than 2% over optimum. Retested as #32.
23	11/2/10	South Berm	S8mm	Troxler	3411B/9012	ST3104S-06	435.9	145.3	5.1	138.2	S118-SF32	144.9	5.0	95	Pass	
24	11/2/10	South Berm	S9oo	Troxler	3411B/9012	ST3104S-06	435.3	151.9	8.6	139.8	S118-SF32	144.9	5.0	96	Fail	Moisture greater than 2% over optimum. Retested as #47
25	11/2/10	South Berm	S6gg	Troxler	3411B/9012	ST3104S-06	435.4	146.2	5.6	138.3	S118-SF32	144.9	5.0	95	Pass	
26	11/2/10	South Berm	S6ee	Troxler	3411B/9012	ST3104S-06	435.7	145.7	8.4	134.4	S118-SF32	144.9	5.0	93	Fail	Density less than 95% and moisture greater than 2% over optimum. Retested as #39.
27	11/2/10	South Berm	S5cc	Troxler	3411B/9012	ST3104S-06	436.3	136.5	5.7	129.1	S118-SF32	144.9	5.0	89	Fail	Density less than 95%. Retested as #40.
28	11/2/10	South Berm	S5aa	Troxler	3411B/9012	ST3104S-06	436.3	146.5	5.3	139.0	S118-SF32	144.9	5.0	96	Pass	Retested as #41 as material reworked.
29	11/2/10	South Berm	S4Y	Troxler	3411B/9012	ST3104S-06	436.3	145.5	6.1	137.1	S118-SF32	144.9	5.0	95	Pass	
30	11/2/10	South Berm	S3W	Troxler	3411B/9012	ST3104S-06	435.9	145.5	9.0	133.4	S118-SF32	144.9	5.0	92	Fail	Density less than 95% and moisture greater than 2% over optimum. Retested as #33.
31	11/2/10	South Berm	S3U	Troxler	3411B/9012	ST3104S-06	435.7	139.4	7.2	130.0	S118-SF32	144.9	5.0	90	Fail	Density less than 95% and moisture greater than 2% over optimum. Retested as #48.
32	11/4/10	South Berm	S8kk	Troxler	3411B/9012	ST3104S-07	436.5	148.5	7.8	137.7	S118-SF32	144.9	5.0	95	Fail	Restest of #22. Moisture greater than 2% over optimum. Retested as #61.
33	11/4/10	South Berm	S3W	Troxler	3411B/9012	ST3104S-07	435.9	147.8	7.4	137.6	S118-SF32	144.9	5.0	95	Fail	Retest of #30. Moisture greater than 2% over optimum. Retested as #42.
34	11/8/10	East Berm	S18uu	Troxler	3430/20957	ST3104S-08	437.2	145.4	8.6	133.9	S104-SF25	136.2	7.8	98	Pass	
35	11/8/10	East Berm	S16vv	Troxler	3430/20957	ST3104S-08	438.4	145.0	8.1	134.1	S104-SF25	136.2	7.8	98	Pass	
36	11/8/10	East Berm	S14ww	Troxler	3430/20957	ST3104S-08	438.5	143.6	7.6	133.4	S104-SF25	136.2	7.8	98	Pass	
37	11/8/10	East Berm	S13ww	Troxler	3430/20957	ST3104S-08	438.8	142.3	7.6	132.2	S104-SF25	136.2	7.8	97	Pass	
38	11/8/10	South Berm	S7ll	Troxler	3430/20957	ST3104S-08	435.0	152.2	6.7	142.6	S118-SF32	144.9	5.0	98	Pass	Retest of #21.
39	11/8/10	South Berm	S6ee	Troxler	3430/20957	ST3104S-08	436.1	153.6	7.7	142.6	S118-SF32	144.9	5.0	98	Fail	Retest of # 26. Moisture greater than 2% over optimum. Retested as #62.
40	11/8/10	South Berm	S5cc	Troxler	3430/20957	ST3104S-08	436.3	149.6	5.2	142.2	S118-SF32	144.9	5.0	98	Pass	Retest of #27.
41	11/8/10	South Berm	S5aa	Troxler	3430/20957	ST3104S-08	436.7	148.3	6.3	139.6	S118-SF32	144.9	5.0	96	Pass	Retest of #28 as material reworked.
42	11/8/10	South Berm	S3W	Troxler	3430/20957	ST3104S-08	435.7	147.0	6.9	137.5	S118-SF32	144.9	5.0	95	Pass	Retest of #33.
43	11/8/10	South Berm	S2S	Troxler	3430/20957	ST3104S-08	435.3	149.7	9.1	137.2	S118-SF32	144.9	5.0	95	Fail	Moisture greater than 2% over optimum. Retested as #46.
44	11/8/10	West Berm	S2Q	Troxler	3430/20957	ST3104S-08	432.6	151.9	4.9	144.8	S118-SF32	144.9	5.0	100	Pass	
45	11/8/10	West Berm	S4P	Troxler	3430/20957	ST3104S-08	431.4	144.5	6.3	135.9	S118-SF32	144.9	5.0	94	Fail	Density less than 95%. Retested as #49.
46	11/9/10	South Berm	S2S	Troxler	3430/20957	ST3104S-09	435.0	146.4	7.9	135.7	25417	139.0	6.3	98	Pass	Retest of #43.
47	11/9/10	South Berm	S9oo	Troxler	3430/20957	ST3104S-09	436.0	152.8	7.5	142.1	25418	142.3	5.4	100	Pass	Retest of #24. Passed on visual observations.
48	11/9/10	South Berm	S3U	Troxler	3430/20957	ST3104S-09	436.0	151.7	6.6	142.4	S118-SF32	144.9	5.0	98	Pass	Retest of #31.

Parsons QC Summary
Engineered Fill
In-Place Density Tests

Test Number	Date	Location	Coordinates N E	Gauge Manufacturer	Gauge Model No./Serial No	Report No.	Elevation	Wet Unit Weight	Percent Moisture	Dry Unit Weight	Proctor Number	Proctor Maximum Density	Proctor Optimum Moisture Content	Percent Compaction	Pass Fail	Comments
49	11/9/10	West Berm	S4P	Troxler	3430/20957	ST3104S-09	431.5	148.7	8.0	137.7	25417	139.0	6.3	99	Pass	Retest of #45.
50	11/9/10	West Berm	S6P	Troxler	3430/20957	ST3104S-09	431.0	148.2	7.2	138.2	S118-SF32	144.9	5.0	95	Pass	
51	11/9/10	West Berm	S8O	Troxler	3430/20957	ST3104S-09	431.0	145.3	7.3	135.5	25418	142.3	5.4	95	Pass	
52	11/9/10	West Berm	S10N	Troxler	3430/20957	ST3104S-09	431.0	148.3	8.2	137.0	25417	139.0	6.3	99	Pass	
53	11/9/10	East Berm	S28rr	Troxler	3430/20957	ST3104S-09	431.0	151.4	7.7	140.6	S104-SF25	136.2	7.8	103	Pass	
54	11/9/10	East Berm	S30rr	Troxler	3430/20957	ST3104S-09	431.0	143.9	7.7	133.6	S104-SF25	136.2	7.8	98	Pass	
55	11/9/10	East Berm	S32oo	Troxler	3430/20957	ST3104S-09	431.0	149.5	6.5	140.4	S104-SF25	136.2	7.8	103	Pass	
56	11/10/10	South Berm	S12vv	Troxler	3430/20957	ST3104S-10	439.0	142.0	7.4	132.3	S104-SF25	136.2	7.8	97	Pass	
57	11/10/10	South Berm	S10ss	Troxler	3430/20957	ST3104S-10	439.0	146.4	6.3	137.7	S104-SF25	136.2	7.8	101	Pass	
58	11/10/10	South Berm	S9qq	Troxler	3430/20957	ST3104S-10	439.0	139.4	6.7	130.7	S104-SF25	136.2	7.8	96	Pass	
59	11/10/10	South Berm	S9oo	Troxler	3430/20957	ST3104S-10	439.0	139.1	6.6	130.5	S104-SF25	136.2	7.8	96	Pass	
60	11/10/10	South Berm	S8mm	Troxler	3430/20957	ST3104S-10	439.0	137.2	5.6	130.0	S104-SF25	136.2	7.8	95	Pass	
61	11/11/10	South Berm	S8kk	Troxler	3430/20957	ST3104S-11	436.0	151.2	5.7	143.0	S118-SF32	144.9	5.0	99	Pass	Retest of #32.
62	11/11/10	South Berm	S6ee	Troxler	3430/20957	ST3104S-11	436.0	147.3	7.2	137.3	S118-SF32	144.9	5.0	95	Pass	Retest of #39.
63	11/11/10	West Berm	S16M	Troxler	3430/20957	ST3104S-11	427.0	150.7	6.2	141.9	S118-SF32	144.9	5.0	98	Pass	
64	11/11/10	West Berm	S22J	Troxler	3430/20957	ST3104S-11	427.0	147.8	7.7	137.2	S118-SF32	144.9	5.0	95	Fail	Moisture greater than 2% over optimum. Retested as #65.
65	11/12/10	South Berm	S22J	Troxler	3430/20957	ST3104S-12	427.0	150.6	7.0	140.7	S118-SF32	144.9	5.0	97	Pass	Retest of #64.
66	11/12/10	West Berm	S24J	Troxler	3430/20957	ST3104S-12	427.0	144.0	9.3	131.8	25421	132.7	7.6	99	Pass	
67	11/12/10	East Berm	S30rr	Troxler	3430/20957	ST3104S-12	434.0	148.6	7.6	138.1	25417	139.0	6.3	99	Pass	
68	11/15/10	South Berm	S5bb	Troxler	3430/20957	ST3104S-13	437.0	146.5	6.9	137.0	25417	139.0	6.3	99	Pass	
69	11/15/10	South Berm	S4Y	Troxler	3430/20957	ST3104S-13	437.0	147.1	8.2	136.0	S118-SF32	144.9	5.0	94	Fail	Density less than 95% and moisture greater than 2% over optimum. Retested as #76.
70	11/15/10	South Berm	S3W	Troxler	3430/20957	ST3104S-13	437.0	145.7	8.3	134.6	S118-SF32	144.9	5.0	93	Fail	Density less than 95% and moisture greater than 2% over optimum. Retested as #77.
71	11/15/10	South Berm	S3U	Troxler	3430/20957	ST3104S-13	437.0	148.2	8.7	136.3	S118-SF32	144.9	5.0	94	Fail	Density less than 95% and moisture greater than 2% over optimum. Retested as #78.
72	11/15/10	South Berm	S2P	Troxler	3430/20957	ST3104S-13	437.0	142.0	6.4	133.5	S118-SF32	144.9	5.0	92	Fail	Density less than 95%. Retested as #79.
73	11/15/10	West Berm	S23J	Troxler	3430/20957	ST3104S-13	427.0	152.6	6.9	142.7	S118-SF32	144.9	5.0	98	Pass	
74	11/15/10	West Berm	S25I	Troxler	3430/20957	ST3104S-13	427.0	149.1	8.5	137.4	S118-SF32	144.9	5.0	95	Fail	Moisture greater than 2% over optimum. Retested as #91.
75	11/15/10	West Berm	S27I	Troxler	3430/20957	ST3104S-13	427.0	145.2	7.5	135.1	S118-SF32	144.9	5.0	93	Fail	Density less than 95%. Retested as #92.
76	11/16/10	South Berm	S4Y	Troxler	3430/20957	ST3104S-14	437.0	148.1	7.8	137.5	25417	139.0	6.3	99	Pass	Retest of #69.
77	11/16/10	South Berm	S3W	Troxler	3430/20957	ST3104S-14	437.0	145.4	6.2	136.9	S118-SF32	144.9	5.0	95	Pass	Retest of #70.
78	11/16/10	South Berm	S3U	Troxler	3430/20957	ST3104S-14	437.0	147.6	7.5	137.3	25417	139.0	6.3	99	Pass	Retest of #71.
79	11/16/10	South Berm	S2P	Troxler	3430/20957	ST3104S-14	437.0	146.2	6.3	137.5	S118-SF32	144.9	5.0	95	Pass	Retest of #72.
80	11/16/10	South Berm	S4Z	Troxler	3430/20957	ST3104S-14	437.5	148.7	5.5	141.0	S118-SF32	144.9	5.0	97	Pass	
81	12/2/2010	South Berm	S12vv	Troxler	3430/20957	ST3104S-20	440.0	149.7	7.5	139.2	S118-SF32	144.9	5.0	96	Pass	
82	12/2/2010	South Berm	S12tt	Troxler	3430/20957	ST3104S-20	440.0	149.6	8.5	137.9	S118-SF32	144.9	5.0	95	Pass	Passed based on visual observations.
83	12/2/2010	South Berm	S10rr	Troxler	3430/20957	ST3104S-20	440.0	147.4	5.2	140.1	S118-SF32	144.9	5.0	97	Pass	
84	12/2/2010	South Berm	S9pp	Troxler	3430/20957	ST3104S-20	440.0	152.4	6.8	142.7	S118-SF32	144.9	5.0	98	Pass	
85	12/2/2010	South Berm	S9nn	Troxler	3430/20957	ST3104S-20	440.0	149.2	7.3	139.1	S118-SF32	144.9	5.0	96	Pass	
86	12/2/2010	South Berm	S8ll	Troxler	3430/20957	ST3104S-20	440.0	143.7	9.6	131.1	S118-SF32	144.9	5.0	90	Fail	Density less than 95%. Retested as #87.
87	12/3/2010	South Berm	S8ll	Troxler	3430/20957	ST3104S-21	440.0	149.8	8.2	138.4	S118-SF32	144.9	5.0	96	Pass	Retest of #86.
88	12/3/2010	South Berm	S7jj	Troxler	3430/20957	ST3104S-21	440.0	149.4	8.0	138.3	S118-SF32	144.9	5.0	95	Pass	
89	12/3/2010	South Berm	S7hh	Troxler	3430/20957	ST3104S-21	440.0	149.3	8.2	137.9	S118-SF32	144.9	5.0	95	Pass	
90	12/3/2010	South Berm	S6ff	Troxler	3430/20957	ST3104S-21	440.0	139.6	7.8	129.5	S118-SF32	144.9	5.0	89	Fail	Density less than 95%.
91	12/3/2010	West Berm	S25I	Troxler	3430/20957	ST3104S-21	427.0	149.8	5.7	141.7	S118-SF32	144.9	5.0	98	Pass	Retest of #74.
92	12/3/2010	West Berm	S27I	Troxler	3430/20957	ST3104S-21	427.0	150.1	7.5	139.7	S118-SF32	144.9	5.0	96	Pass	Retest of #75.

Parsons QC Summary
Engineered Fill
In-Place Density Tests

Test Number	Date	Location	Coordinates N	Coordinates E	Gauge Manufacturer	Gauge Model No./Serial No.	Report No.	Elevation	Wet Unit Weight	Percent Moisture	Dry Unit Weight	Proctor Number	Proctor Maximum Density	Proctor Optimum Moisture Content	Percent Compaction	Pass Fail	Comments
T#1	3/29/2011	East Berm (Phase I)	1120192	907635	Troxler	3430/22904	ST3104S-22	436.1	144.8	6.5	135.9	S104-SF25	136.2	7.8	100	Pass	
T#2	3/29/2011	East Berm (Phase I)	1120297	907606	Troxler	3430/22904	ST3104S-22	436.2	135.9	7.7	126.2	S104-SF25	136.2	7.8	**93**	**Fail**	Area reworked and re-tested as T#13, passed.
T#3	3/29/2011	East Berm (Phase I)	1120297	907598	Troxler	3430/22904	ST3104S-22	435.8	143.6	6.6	134.7	S104-SF25	136.2	7.8	99	Pass	
T#4	3/29/2011	East Berm (Phase I)	1120394	907567	Troxler	3430/22904	ST3104S-22	435.1	144.9	6.7	135.8	S104-SF25	136.2	7.8	100	Pass	
T#5	3/29/2011	East Berm (Phase I)	1120492	907545	Troxler	3430/22904	ST3104S-22	433.9	145.6	6.2	137.1	S104-SF25	136.2	7.8	101	Pass	
T#6	3/29/2011	East Berm (Phase I)	1120583	907509	Troxler	3430/22904	ST3104S-22	433.7	143.2	6.9	134	S104-SF25	136.2	7.8	98	Pass	
T#7	3/29/2011	East Berm (Phase I)	1120692	907480	Troxler	3430/22904	ST3104S-22	433.0	149.2	6.4	140.2	S104-SF25	136.2	7.8	103	Pass	
T#8	3/29/2011	East Berm (Phase I)	1120790	907447	Troxler	3430/22904	ST3104S-22	431.9	140.6	6	132.7	S104-SF25	136.2	7.8	97	Pass	
T#9	3/29/2011	East Berm (Phase I)	1120886	907419	Troxler	3430/22904	ST3104S-22	431.9	146.2	6.6	137.2	S104-SF25	136.2	7.8	101	Pass	
T#10	3/29/2011	East Berm (Phase I)	50 ft north of T#9		Troxler	3430/22904	ST3104S-22	NA	142.4	6.5	133.7	S104-SF25	136.2	7.8	98	Pass	
T#11	3/30/2011	West Berm (Phase II)	1119930.0	905944.1	Troxler	3430/22904	ST3104S-23	NA	144.1	9.5	131.5	S133-SF49	140.3	5.8	**94**	**Fail**	Retested as T#14, passed.
T#12	3/30/2011	West Berm (Phase II)	1120040.0	905868.7	Troxler	3430/22904	ST3104S-23	NA	143.7	8.1	132.9	S133-SF49	140.3	5.8	**95**	**Fail**	Retested as T#15, passed.
T#13	3/30/2011	East Berm (Phase I)	Retest of T#2		Troxler	3430/22904	ST3104S-23		143.1	8.1	132.4	S104-SF25	136.2	7.8	97	Pass	Re-test of T#2
T#14	4/12/2011	West Berm (Phase II)	1119283	906154	Troxler	3430/22904	ST3104S-24	433.9	142.6	5	135.9	S133-SF49	140.3	5.8	97	Pass	Re-test of T#11
T#15	4/12/2011	West Berm (Phase II)	1119533	906079	Troxler	3430/22904	ST3104S-24	432.5	148.5	5.2	141.2	S133-SF49	140.3	5.8	101	Pass	Re-test of T#12
T#16	4/12/2011	West Berm (Phase II)	1119406	906110	Troxler	3430/22904	ST3104S-24	433.7	146.6	5.3	139.3	S133-SF49	140.3	5.8	99	Pass	
T#17	4/12/2011	West Berm (Phase II)	1119623	906020	Troxler	3430/22904	ST3104S-24	432.1	145.4	4.3	139.4	S133-SF49	140.3	5.8	99	Pass	
T#18	4/18/11	West Berm (Phase I)	1119729	906002	Troxler	3430/33267	ST3104S-26	430.8	146.2	6.5	137.3	S137-SF51	131.9	6.4	104	Pass	
T#19	4/18/11	West Berm (Phase I)	1119822	905972	Troxler	3430/33267	ST3104S-26	429.8	146.1	6	137.8	S137-SF51	131.9	6.4	104	Pass	
T#20	4/18/11	West Berm (Phase I)	1119920	905942	Troxler	3430/33267	ST3104S-26	426.7	147.9	6.6	138.8	S137-SF51	131.9	6.4	105	Pass	
T#21	4/18/11	West Berm (Phase I)	1120007	905912	Troxler	3430/33267	ST3104S-26	425.8	141.4	6.4	132.8	S137-SF51	131.9	6.4	101	Pass	
T#22	4/18/11	West Berm (Phase I)	1120105	905879	Troxler	3430/33267	ST3104S-26	426.2	143.8	6.4	134.8	S137-SF51	131.9	6.4	102	Pass	
T#23	4/18/11	West Berm (Phase I)	1120202	905850	Troxler	3430/33267	ST3104S-26	425.4	144.3	8.3	133.3	S137-SF51	131.9	6.4	101	Pass	
T#24	4/18/11	West Berm (Phase I)	1120295	905821	Troxler	3430/33267	ST3104S-26	425.7	141.7	7.2	132.1	S137-SF51	131.9	6.4	100	Pass	
T#25	4/18/11	West Berm (Phase I)	1120383	905790	Troxler	3430/33267	ST3104S-26	427.8	150.3	6.7	140.9	S137-SF51	131.9	6.4	107	Pass	
T#26	4/22/2011	West Berm (Phase I)	1119728	906002	Troxler	3430/33267	ST3104S-28	431.9	143.3	6.4	134.7	S133-SF49	140.3	5.8	96	Pass	
T#27	4/22/2011	West Berm (Phase I)	1119822	905972	Troxler	3430/33267	ST3104S-28	430.6	145.1	6.3	136.5	S133-SF49	140.3	5.8	97	Pass	
T#28	4/22/2011	West Berm (Phase I)	1119908	905940	Troxler	3430/33267	ST3104S-28	427.6	145.6	7.4	135.6	S133-SF49	140.3	5.8	97	Pass	
T#29	4/22/2011	West Berm (Phase I)	1120007	905911	Troxler	3430/33267	ST3104S-28	426.8	144.2	6.9	134.8	S133-SF49	140.3	5.8	96	Pass	
T#30	4/22/2011	West Berm (Phase I)	1120105	905879	Troxler	3430/33267	ST3104S-28	426.9	142.8	7	133.4	S133-SF49	140.3	5.8	95	Pass	
T#31	4/22/2011	West Berm (Phase I)	1120203	905849	Troxler	3430/33267	ST3104S-28	426.1	146	7.5	135.8	S133-SF49	140.3	5.8	97	Pass	
T#32	4/19/2011	West Berm (Phase I)	1120295	905821	Troxler	3430/33267	ST3104S-28	426.6	142.6	5.2	135.6	S133-SF49	140.3	5.8	97	Pass	
T#33	4/19/2011	West Berm (Phase I)	1120384	905790	Troxler	3430/33267	ST3104S-28	428.3	141.9	5.5	134.6	S133-SF49	140.3	5.8	96	Pass	
T#34	5/2/2011	West Berm (Phase I)	1119731	906006	Troxler	3430/33267	ST3104S-30	432.5	145.1	5.9	137	S133-SF49	140.3	5.8	98	Pass	
T#35	5/2/2011	West Berm (Phase I)	1119821	905972	Troxler	3430/33267	ST3104S-30	431.2	140.9	4.1	135.3	S133-SF49	140.3	5.8	96	Pass	
T#36	4/25/2011	West Berm (Phase I)	1119919	905941	Troxler	3430/33267	ST3104S-29	428.0	145.6	7.6	135.2	S133-SF49	140.3	5.8	96	Pass	
T#37	5/2/2011	West Berm (Phase I)	1120007	905912	Troxler	3430/33267	ST3104S-30	427.4	141.5	5	134.8	S133-SF49	140.3	5.8	96	Pass	
T#38	5/2/2011	West Berm (Phase I)	1120106	905882	Troxler	3430/33267	ST3104S-30	427.6	141.5	5.2	134.5	S133-SF49	140.3	5.8	96	Pass	
T#39	5/2/2011	West Berm (Phase I)	1120203	905850	Troxler	3430/33267	ST3104S-30	426.6	142.6	5.7	134.9	S133-SF49	140.3	5.8	96	Pass	
T#40	4/25/2011	West Berm (Phase I)	1120295	905821	Troxler	3430/33267	ST3104S-29	427.3	145.8	7	136.3	S133-SF49	140.3	5.8	97	Pass	
T#41	4/25/2011	West Berm (Phase I)	1120383	905790	Troxler	3430/33267	ST3104S-29	428.9	145.4	6.5	136.5	S133-SF49	140.3	5.8	97	Pass	
T#45	5/9/2011	West Berm (Phase I)	1120007	905912	Troxler	3430/33267	ST3104S-32	NA	140.6	4.3	134.8	S133-SF49	140.3	5.8	96	Pass	
T#46	5/9/2011	West Berm (Phase I)	1120106	905882	Troxler	3430/33267	ST3104S-32	NA	141.5	4.4	135.5	S133-SF49	140.3	5.8	97	Pass	
T#47	5/9/2011	West Berm (Phase I)	1120203	905850	Troxler	3430/33267	ST3104S-32	NA	144.6	4.2	138.7	S133-SF49	140.3	5.8	99	Pass	
T#50	5/11/2011	West Berm (Phase I)	1119729	906002	Troxler	3430/33267	ST3104S-36	432.4	149.6	6	141.2	S115-SF29	138.4	6.7	102	Pass	
T#51	5/11/2011	West Berm (Phase I)	1119823	905972	Troxler	3430/33267	ST3104S-36	431.2	142.4	7.7	132.3	S115-SF29	138.4	6.7	96	Pass	
T#52	5/11/2011	West Berm (Phase I)	1119920	905942	Troxler	3430/33267	ST3104S-36	429.8	140.9	5.6	133.4	S115-SF29	138.4	6.7	96	Pass	
T#53	5/11/2011	West Berm (Phase I)	1120001	905894	Troxler	3430/33267	ST3104S-36	429.0	149.5	7.3	139.4	S115-SF29	138.4	6.7	101	Pass	
T#54	5/11/2011	West Berm (Phase I)	1120105	905878	Troxler	3430/33267	ST3104S-36	428.8	147.7	7.6	137.2	S115-SF29	138.4	6.7	99	Pass	
T#55	5/11/2011	West Berm (Phase I)	1120203	905849	Troxler	3430/33267	ST3104S-36	428.3	144	7.2	134.3	S115-SF29	138.4	6.7	97	Pass	
T#56	5/11/2011	West Berm (Phase I)	1120296	905821	Troxler	3430/33267	ST3104S-36	428.4	143.4	9.1	131.4	S115-SF29	138.4	6.7	95	**Fail**	Moisture content greater than 2% over optimum, need retest
T#57	5/11/2011	West Berm (Phase I)	1120378	905794	Troxler	3430/33267	ST3104S-36	428.9	142.8	6.9	133.6	S115-SF29	138.4	6.7	97	Pass	
T#58	5/11/2011	West Berm (Phase I)	1119728	906001	Troxler	3430/33267	ST3104S-36	433.0	143.3	9.5	130.9	S115-SF29	138.4	6.7	95	**Fail**	Moisture content greater than 2% over optimum need retest
T#59	5/11/2011	West Berm (Phase I)	1119822	905972	Troxler	3430/33267	ST3104S-36	431.5	143.8	7.9	133.2	S115-SF29	138.4	6.7	96	Pass	

Parsons QC Summary
Engineered Fill
In-Place Density Tests

Test Number	Date	Location	Coordinates N	Coordinates E	Gauge Manufacturer	Gauge Model No./Serial No.	Report No.	Elevation	Wet Unit Weight	Percent Moisture	Dry Unit Weight	Proctor Number	Proctor Maximum Density	Proctor Optimum Moisture Content	Percent Compaction	Pass Fail	Comments
T#60	5/11/2011	West Berm (Phase I)	1119920	905941	Troxler	3430/33267	ST3104S-36	431.1	148.4	6.6	139.1	S115-SF29	138.4	6.7	101	Pass	
T#61	5/11/2011	West Berm (Phase I)	1120007	905912	Troxler	3430/33267	ST3104S-36	430.1	144.2	7.7	133.9	S115-SF29	138.4	6.7	97	Pass	
T#62	5/13/2011	West Berm (Phase I)	1120105	905883	Troxler	3430/33267	ST3104S-39	429.9	147.1	4.5	140.7	S115-SF29	138.4	6.7	102	Fail	
T#63	5/12/2011	West Berm (Phase I)	1120204	905849	Troxler	3430/33267	ST3104S-37	428.9	147.7	7	138.1	S115-SF29	138.4	6.7	100	Pass	
T#64	5/12/2011	West Berm (Phase I)	1120299	905819	Troxler	3430/33267	ST3104S-37	429.3	142.5	6.7	133.5	S115-SF29	138.4	6.7	96	Pass	
T#65	5/12/2011	West Berm (Phase I)	1120382	905791	Troxler	3430/33267	ST3104S-37	429.7	142.1	6.5	133.4	S115-SF29	138.4	6.7	96	Pass	

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 8 - 10 *Moisture Range:* -2 - 2

Soil Type: 1 Engineered Fill-Granby *Guage Type:* Troxler 3430 *Correction Factor:* NONE
Series: 1 Engineered Fill *Guage Serial No:* 33267

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC (%)*	*Max Dry Unit Wt (PCF)*	*Field MC*	*Correct MC*	*Wet Unit Wt (PCF)*	*Dry Unit Wt (PCF)*	*Percent Compact (%)*	*Result*			
1-001	E-9	5/12/2011	6	1	EF-001	8.5	129	7.6	7.6	142.2	132.2	100	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 8 - 10 *Moisture Range:* -2 - 2

Soil Type: 1 Engineered Fill-Granby *Guage Type:* Troxler 3440 *Correction Factor:* NONE
Series: 1 Engineered Fill *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
1-017	E-5	8/4/2011	10	1	EF-001	8.5	129	7.2	7.2	138	128.7	100	P	BB		
1-018	E-7	8/4/2011	10	1	EF-001	8.5	129	6.9	6.9	137.2	128.3	100	P	BB		
1-019	E-9	8/4/2011	10	2	EF-001	8.5	129	6.5	6.5	137.1	128.7	100	P	BB		
1-020	E-11	8/4/2011	10	1	EF-001	8.5	129	7.1	7.1	137.7	128.6	100	P	BB		
1-021	E-12	8/4/2011	10	1	EF-001	8.5	129	6.8	6.8	136.8	128.1	99	P	BB		
1-022	E-5	8/5/2011	10	2	EF-001	8.5	129	6.6	6.6	137	128.5	100	P	BB		
1-023	E-7	8/5/2011	10	2	EF-001	8.5	129	7.1	7.1	137.7	128.6	100	P	BB		
1-024	E-9	8/5/2011	10	2	EF-001	8.5	129	7.8	7.8	136.8	126.9	98	P	BB		
1-025	E-11	8/5/2011	10	2	EF-001	8.5	129	6.7	6.7	136.5	128	99	P	BB		
1-026	E-12	8/5/2011	10	2	EF-001	8.5	129	7.4	7.4	138.4	128.9	100	P	BB		
1-027	E-13	8/5/2011	10	1	EF-001	8.5	129	7.7	7.7	138.2	128.4	100	P	BB		
1-028	E-15	8/5/2011	10	1	EF-001	8.5	129	8	8	137.4	127.2	99	P	BB		
1-029	E-16	8/5/2011	10	1	EF-001	8.5	129	8.4	8.4	136.8	126.2	98	P	BB		
1-030	E-18	8/5/2011	10	1	EF-001	8.5	129	7.9	7.9	138.9	128.7	100	P	BB		
1-031	V-6	8/5/2011	10	4	EF-001	8.5	129	7.2	7.2	137.3	128.1	99	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 95 **Lift Thickness (Compacted - Loose):** 8 - 10 **Moisture Range:** -2 - 2

Soil Type: 1 Engineered Fill-Granby **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 1 Engineered Fill **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
1-032	V-6	8/5/2011	10	4	EF-001	8.5	129	7.6	7.6	138	128.2	99	P	BB		
1-033	E-11	8/23/2011	10	3	EF-001	8.5	129	6.8	6.8	132.3	123.8	96	P	BB		
1-034	E-10	8/23/2011	10	3	EF-001	8.5	129	7.1	7.1	135.4	126.4	98	P	BB		
1-035	E-8	8/23/2011	10	3	EF-001	8.5	129	6.5	6.5	133.3	125.1	97	P	BB		
1-036	E-7	8/23/2011	10	3	EF-001	8.5	129	6.9	6.9	135.7	126.9	98	P	BB		
1-037	E-6	8/23/2011	10	3	EF-001	8.5	129	7.2	7.2	135.5	126.4	98	P	BB		
1-038	E-12	8/23/2011	10	3	EF-001	8.5	129	7.4	7.4	136.2	126.8	98	P	BB		
1-039	E-11	8/23/2011	10	4	EF-001	8.5	129	7.7	7.7	137.5	127.7	99	P	BB		
1-040	E-9	8/23/2011	10	4	EF-001	8.5	129	6.8	6.8	132.3	123.8	96	P	BB		
1-041	E-8	8/23/2011	10	4	EF-001	8.5	129	6.8	6.8	131.1	122.7	95	P	BB		
1-042	E-7	8/23/2011	10	4	EF-001	8.5	129	7	7	134.1	125.3	97	P	BB		
1-043	V-8	9/1/2011	10	1	EF-001	8.5	129	7.4	7.4	138.4	128.8	100	P	BB		
1-044	V-8	9/1/2011	10	2	EF-001	8.5	129	8.1	8.1	139.3	128.9	100	P	BB		
1-045	V-8	9/1/2011	10	3	EF-001	8.5	129	7.5	7.5	135.9	126.4	98	P	BB		
1-046	V-8	9/1/2011	10	4	EF-001	8.5	129	7.1	7.1	136.8	127.7	99	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 8 - 10 *Moisture Range:* -2 - 2

Soil Type: 1 Engineered Fill-Granby *Guage Type:* Troxler 3440 *Correction Factor:* NONE
Series: 1 Engineered Fill *Guage Serial No:* 28800

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC* (%)	*Max Dry Unit Wt* (PCF)	*Field MC*	*Correct MC*	*Wet Unit Wt* (PCF)	*Dry Unit Wt* (PCF)	*Percent Compact* (%)	*Result*			
1-047	V-8	9/1/2011	10	5	EF-001	8.5	129	7.3	7.3	138.3	128.9	100	P	BB		
1-048	V-7	9/1/2011	10	6	EF-001	8.5	129	6.8	6.8	136.7	127.9	99	P	BB		
1-049	V-9	9/1/2011	10	6	EF-001	8.5	129	6.7	6.7	134.9	126.4	98	P	BB		
1-050	V-10	9/1/2011	10	1	EF-001	8.5	129	6.5	6.5	131.9	123.8	96	P	BB		
1-051	V-11	9/1/2011	10	1	EF-001	8.5	129	6.5	6.5	130.5	122.6	95	P	BB		
1-052	V-12	9/1/2011	10	1	EF-001	8.5	129	6.8	6.8	133.6	125.1	97	P	BB		
1-053	E-8	9/28/2011	10	1	EF-001	8.5	129	7.1	7.1	137.3	128.2	99	P	BB		
1-054	E-8	9/28/2011	10	2	EF-001	8.5	129	7.6	7.6	138.7	128.9	100	P	BB		
1-055	E-8	9/28/2011	10	3	EF-001	8.5	129	8.1	8.1	139.3	128.9	100	P	BB		
1-056	E-8	9/28/2011	10	4	EF-001	8.5	129	8.4	8.4	139.7	128.8	100	P	BB		
1-057	E-8	9/28/2011	10	5	EF-001	8.5	129	7.7	7.7	137.5	127.7	99	P	BB		
1-058	E-8	9/28/2011	10	6	EF-001	8.5	129	7.3	7.3	135.6	126.4	98	P	BB		
1-059	E-8	9/28/2011	10	7	EF-001	8.5	129	7.8	7.8	137.7	127.7	99	P	BB		
1-060	E-6	10/6/2011	10	5	EF-001	8.5	129	6.5	6.5	131.9	123.8	96	P	BB		
1-061	E-9	10/6/2011	10	5	EF-001	8.5	129	6.6	6.6	133.4	125.1	97	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 95 **Lift Thickness (Compacted - Loose):** 8 - 10 **Moisture Range:** -2 - 2

Soil Type: 1 Engineered Fill-Granby **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 1 Engineered Fill **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
1-062	E-12	10/6/2011	10	5	EF-001	8.5	129	6.5	6.5	130.5	122.6	95	P	BB		
1-063	E-7	10/6/2011	10	6	EF-001	8.5	129	7.1	7.1	135.9	126.9	98	P	BB		
1-064	E-8	10/6/2011	10	6	EF-001	8.5	129	7.4	7.4	135.8	126.4	98	P	BB		
1-065	E-10	10/6/2011	10	6	EF-001	8.5	129	6.6	6.6	133.8	125.5	97	P	BB		
1-066	E-11	10/6/2011	10	6	EF-001	8.5	129	6.7	6.7	133.5	125.1	97	P	BB		
1-067	E-13	10/10/2011	10	6	EF-001	8.5	129	6.6	6.6	131	122.8	95	P	BB		
1-068	E-15	10/10/2011	10	1	EF-001	8.5	129	6.9	6.9	134	125.4	97	P	BB		
1-069	E-17	10/10/2011	10	1	EF-001	8.5	129	7.2	7.2	135.9	126.8	98	P	BB		
1-070	E-14	10/10/2011	10	1	EF-001	8.5	129	6.5	6.5	132.1	124	96	P	BB		
1-071	E-18	10/10/2011	10	1	EF-001	8.5	129	6.7	6.7	132.7	124.4	96	P	BB		
1-072	F-19	10/11/2011	10	1	EF-001	8.5	129	7.6	7.6	136.3	126.7	98	P	BB		
1-073	G-19	10/11/2011	10	1	EF-001	8.5	129	7.9	7.9	137.1	127	98	P	BB		
1-074	H-19	10/11/2011	10	1	EF-001	8.5	129	8.2	8.2	138.6	128.1	99	P	BB		
1-075	I-19	10/11/2011	10	1	EF-001	8.5	129	7.9	7.9	136.8	126.8	98	P	BB		
1-076	J-19	10/11/2011	10	1	EF-001	8.5	129	7.4	7.4	134.5	125.3	97	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 8 - 10 *Moisture Range:* -2 - 2

Soil Type: 1 Engineered Fill-Granby *Guage Type:* Troxler 3440 *Correction Factor:* NONE
Series: 1 Engineered Fill *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
1-077	I-19	10/12/2011	10	2	EF-001	8.5	129	6.8	6.8	131.4	123.1	95	P	BB		
1-078	J-19	10/12/2011	10	2	EF-001	8.5	129	6.6	6.6	130.9	122.8	95	P	BB		
1-079	K-19	10/12/2011	10	1	EF-001	8.5	129	6.9	6.9	132.9	124.4	96	P	BB		
1-080	L-19	10/12/2011	10	1	EF-001	8.5	129	7.3	7.3	135.8	126.5	98	P	BB		
1-081	M-19	10/12/2011	10	1	EF-001	8.5	129	7.1	7.1	135.8	126.8	98	P	BB		
1-082	H-19	10/18/2011	10	3	EF-001	8.5	129	6.5	6.5	131.1	123.1	95	P	BB		
1-083	I-19	10/18/2011	10	3	EF-001	8.5	129	6.5	6.5	130.8	122.8	95	P	BB		
1-084	J-19	10/18/2011	10	3	EF-001	8.5	129	6.9	6.9	133.9	125.3	97	P	BB		
1-085	K-19	10/18/2011	10	2	EF-001	8.5	129	7.5	7.5	136.2	126.7	98	P	BB		
1-086	L-19	10/18/2011	10	2	EF-001	8.5	129	7.8	7.8	137.8	127.8	99	P	BB		
1-087	M-19	10/18/2011	10	2	EF-001	8.5	129	8.3	8.3	139.6	128.9	100	P	BB		
1-088	N-19	10/18/2011	10	2	EF-001	8.5	129	8.1	8.1	139	128.6	100	P	BB		
1-089	O-19	10/18/2011	10	2	EF-001	8.5	129	7.2	7.2	135.7	126.5	98	P	BB		
1-090	E-7	11/3/2011	6	6	EF-001	8.5	129	7.6	7.6	137.6	127.8	99	P	BB		
1-091	E-10	11/3/2011	6	6	EF-001	8.5	129	7.7	7.7	135.3	125.6	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 95 **Lift Thickness (Compacted - Loose):** 8 - 10 **Moisture Range:** -2 - 2

Soil Type: 1 Engineered Fill-Granby **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 1 Engineered Fill **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
1-092	V-7	11/3/2011	6	7	EF-001	8.5	129	6.9	6.9	136.8	127.9	99	P	BB		
1-093	V-11	11/3/2011	6	7	EF-001	8.5	129	7.2	7.2	137.5	128.2	99	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 95 **Lift Thickness (Compacted - Loose):** 8 - 10 **Moisture Range:** -2 - 2

Soil Type: 1 Engineered Fill-Granby **Guage Type:** Troxler 3440 **Correction Factor:** NONE
Series: 1 Engineered Fill **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			

Drive Cylinder

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Honeywell

DRIVE CYLINDER (DC) AND FIELD DENSITY TEST (FDT) COMPARISON

PROJECT:	Onondaga Lake	PROJECT NO.:	GJ4706A	TASK NO.:	07
LOCATION:	Sediment Consolidation Area (SCA) Construction	DATE: varies day	November month	2011 year	
SOURCE:	Engineering Fill	TROXLER SERNO:	28800	TROXLER ID	2

A Drive Cyl. Number	B Drive Cyl. Wet Density	C Drive Cyl. Moisture	D Drive Cyl. Dry Density	E FDT Wet Density	F FDT Moisture	G FDT Dry Density	H Wet Density Variation	I Moisture Variation	J Dry Density Variation
EFDC-01	136.1	7.4	126.7	137.6	7.6	127.8	-1.5	-0.2	-1.1
(FDT 1-190 Grid E-7 w. berm)									
EFDC-02	133.3	6.9	124.8	135.3	7.7	125.6	-2	-0.8	-0.8
FDT 1-191 Grid E-10 w. berm									
EFDC-03	140	6.6	131.3	136.8	6.9	127.9	3.2	-0.3	3.4
(FDT 1-192 Grid u-7 e. berm)									
EFDC-04	137	6.8	128.3	137.5	7.2	128.2	-0.5	-0.4	0.1
(FDT 1-193 Grid U-11 e. berm									

Low-Permeability Layer

- Field Density Tests
- Drive Cylinders

Field Density Test

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3430 *Correction Factor:* NONE
Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 33267

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC* (%)	*Max Dry Unit Wt* (PCF)	*Field MC*	*Correct MC*	*Wet Unit Wt* (PCF)	*Dry Unit Wt* (PCF)	*Percent Compact* (%)	*Result*			
2-263	H-6	7/25/2011	6	3	LP-027	22	102	21.7	21.7	119	97.8	96	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC* (%)	*Max Dry Unit Wt* (PCF)	*Field MC*	*Correct MC*	*Wet Unit Wt* (PCF)	*Dry Unit Wt* (PCF)	*Percent Compact* (%)	*Result*			
2-044	N-7	7/5/2011	6	2	LP-027	22	102	21.9	21.9	121.1	99.3	97	P	BB		
2-045	N-7	7/5/2011	6	2	LP-027	22	102	22.8	22.8	123.9	100.9	99	P	BB		
2-046	N-6	7/5/2011	6	2	LP-027	22	102	23.1	23.1	120.8	98.1	96	P	BB		
2-047	N-6	7/5/2011	6	2	LP-027	22	102	20	20	116.4	97	95	P	BB		
2-048	O-6	7/5/2011	6	2	LP-027	22	102	22.8	22.8	122.4	99.7	98	P	BB		
2-049	O-6	7/5/2011	6	2	LP-027	22	102	21.6	21.6	119.1	98	96	P	BB		
2-050	O-7	7/5/2011	6	2	LP-027	22	102	20.9	20.9	118.1	97.7	96	P	BB		
2-051	O-7	7/5/2011	6	2	LP-027	22	102	23.2	23.2	119.5	97	95	P	BB		
2-052	O-7	7/5/2011	6	2	LP-027	22	102	21.7	21.7	118.4	97.3	95	P	BB		
2-093	M-6	7/8/2011	6	2	LP-027	22	102	21.2	21.2	123	101.5	100	P	DWM		
2-094	M-6	7/8/2011	6	2	LP-005	19	104.5	21.2	21.2	125.1	103.3	99	P	DWM		
2-095	M-7	7/8/2011	6	2	LP-005	19	104.5	19	19	122.4	102.9	99	P	DWM		
2-096	M-7	7/8/2011	6	2	LP-005	19	104.5	20.8	20.8	125.9	104.2	100	P	DWM		
2-097	L-6	7/8/2011	6	2	LP-027	22	102	24.4	24.4	121.7	97.9	96	P	DWM		
2-098	L-6	7/8/2011	6	2	LP-027	22	102	25	25	122.8	98.2	96	P	DWM		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-099	L-7	7/8/2011	6	2	LP-005	19	104.5	20.6	20.6	124.4	103.1	99	P	DWM		
2-100	L-7	7/8/2011	6	2	LP-005	19	104.5	20.7	20.7	123.8	102.6	98	P	DWM		
2-101	L-7	7/8/2011	6	2	LP-027	22	102	21.4	21.4	124.6	102.6	100	P	DWM		
2-102	L-8	7/8/2011	6	2	LP-027	22	102	23.1	23.1	122.9	99.8	98	P	DWM		
2-103	L-8	7/8/2011	6	2	LP-027	22	102	21.8	21.8	125.2	102.8	100	P	DWM		
2-104	M-8	7/8/2011	6	2	LP-005	19	104.5	20.4	20.4	125.1	103.9	99	P	DWM		
2-105	M-8	7/8/2011	6	2	LP-005	19	104.5	19.9	19.9	121.3	101.1	97	P	DWM		
2-106	K-6	7/11/2011	6	2	LP-005	19	104.5	20.4	20.4	127.9	106.3	100	P	DWM		
2-107	K-6	7/11/2011	6	2	LP-005	19	104.5	17.9	17.9	130.4	110.6	100	P	DWM		
2-108	K-7	7/11/2011	6	2	LP-005	19	104.5	16.3	16.3	122.5	105.3	100	P	DWM		
2-109	K-7	7/11/2011	6	2	LP-005	19	104.5	16	16	115.3	99.4	95	P	DWM		
2-110	K-8	7/11/2011	6	2	LP-005	19	104.5	16	16	127.8	110.1	100	P	DWM		
2-111	K-8	7/11/2011	6	2	LP-005	19	104.5	16.1	16.1	129.2	111.3	100	P	DWM		
2-132	N-6	7/14/2011	6	3	LP-027	22	102	21.2	21.2	122.6	101.1	99	P	DWM		
2-133	N-6	7/14/2011	6	3	LP-027	22	102	20.7	20.7	121.9	101	99	P	DWM		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-134	M-6	7/14/2011	6	3	LP-027	22	102	19	19	122.4	102.8	100	P	DWM		
2-135	M-6	7/14/2011	6	3	LP-027	22	102	19.1	19.1	122.4	102.8	100	P	DWM		
2-136	L-6	7/14/2011	6	3	LP-005	19	104.5	18.5	18.5	122.4	103.3	99	P	DWM		
2-137	L-6	7/14/2011	6	3	LP-005	19	104.5	20.4	20.4	124.1	103.1	99	P	DWM		
2-138	K-6	7/14/2011	6	3	LP-005	19	104.5	18.5	18.5	127.1	107.3	100	P	DWM		
2-139	K-6	7/14/2011	6	3	LP-027	22	102	21.9	21.9	117.8	96.6	95	P	DWM		
2-140	K-6	7/14/2011	6	3	LP-005	19	104.5	19.5	19.5	124.2	103.9	100	P	DWM		
2-141	N-7	7/14/2011	6	3	LP-005	19	104.5	18	18	124.8	105.8	100	P	DWM		
2-142	N-7	7/14/2011	6	3	LP-027	22	102	22.2	22.2	121.3	99.2	98	P	DWM		
2-143	M-7	7/14/2011	6	3	LP-027	22	102	19.7	19.7	122.6	102.5	100	P	DWM		
2-144	M-7	7/14/2011	6	3	LP-027	22	102	22	22	122.8	100.7	99	P	DWM		
2-145	K-7	7/14/2011	6	3	LP-005	19	104.5	17.8	17.8	126.1	107.1	100	P	DWM		
2-146	K-7	7/14/2011	6	3	LP-027	22	102	21	21	121.3	100.3	98	P	DWM		
2-147	K-7	7/14/2011	6	3	LP-005	19	104.5	18	18	125.1	106	100	P	DWM		
2-148	N-8	7/14/2011	6	3	LP-005	19	104.5	20.1	20.1	124.4	103.5	99	P	DWM		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 90 **Lift Thickness (Compacted - Loose):** 6 - **Moisture Range:** -3 - 3

Soil Type: 3 LP Soil-Black Creek **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-149	N-8	7/14/2011	6	3	LP-027	22	102	21.4	21.4	123.3	101.5	99	P	DWM		
2-150	M-8	7/14/2011	6	3	LP-027	22	102	22.7	22.7	119.4	97.4	96	P	DWM		
2-151	M-8	7/14/2011	6	3	LP-027	22	102	21.6	21.6	123.4	101.5	100	P	DWM		
2-152	L-8	7/14/2011	6	3	LP-027	22	102	20.5	20.5	123.7	102.7	100	P	DWM		
2-153	L-8	7/14/2011	6	3	LP-005	19	104.5	18.9	18.9	122.3	102.9	99	P	DWM		
2-154	K-8	7/14/2011	6	3	LP-005	19	104.5	20.1	20.1	124.3	103.5	99	P	DWM		
2-155	K-8	7/14/2011	6	3	LP-027	22	102	22.1	22.1	113.9	93.3	92	P	DWM		
2-156	K-8	7/14/2011	6	3	LP-027	22	102	25	25	123.6	98.8	97	P	DWM		
2-167	L-7	7/15/2011	6	3	LP-005	19	104.5	16	16	126.6	109.1	100	P	DWM		
2-168	L-7	7/15/2011	6	3	LP-005	19	104.5	16.1	16.1	127.5	109.8	100	P	DWM		
2-171	J-6	7/15/2011	6	2	LP-027	22	102	19.9	19.9	118.3	98.7	97	P	DWM		
2-172	J-6	7/15/2011	6	2	LP-027	22	102	19.9	19.9	120.5	100.5	99	P	DWM		
2-173	I-6	7/15/2011	6	2	LP-027	22	102	24.1	24.1	118.9	95.8	94	P	DWM		
2-174	I-6	7/15/2011	6	2	LP-027	22	102	21.1	21.1	121.4	100.3	98	P	DWM		
2-175	H-6	7/15/2011	6	2	LP-027	22	102	22.8	22.8	121.3	98.8	97	P	DWM		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field					Result	QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)				
2-176	H-6	7/15/20 1	6	2	LP-027	22	102	21.3	21.3	121.4	100.1	98	P	DWM		
2-177	H-7	7/15/20 1	6	2	LP-027	22	102	21.9	21.9	120	98.4	97	P	DWM		
2-178	H-7	7/15/2011	6	2	LP-027	22	102	19.9	19.9	122.9	102.5	100	P	DWM		
2-179	H-7	7/15/2011	6	2	LP-027	22	102	19.4	19.4	127.7	107	100	P	DWM		
2-180	I-7	7/15/2011	6	2	LP-027	22	102	23.2	23.2	119.1	96.7	95	P	DWM		
2-181	I-7	7/15/2011	6	2	LP-027	22	102	24.7	24.7	115.6	92.7	91	P	DWM		
2-182	J-7	7/15/2011	6	2	LP-027	22	102	23.7	23.7	119.8	96.8	95	P	DWM		
2-183	J-7	7/15/2011	6	2	LP-027	22	102	23	23	121.4	98.7	97	P	DWM		
2-195	N-8	7/21/2011	6	4	LP-005	19	104.5	20.6	20.6	124.8	103.5	99	P	DWM		
2-196	N-8	7/21/2011	6	4	LP-027	22	102	21.5	21.5	122	100.4	99	P	DWM		
2-197	M-8	7/21/2011	6	4	LP-027	22	102	19.9	19.9	122.5	102.1	100	P	DWM		
2-198	M-8	7/21/2011	6	4	LP-005	19	104.5	16.5	16.5	122.8	105.4	100	P	DWM		
2-199	L-8	7/21/2011	6	4	LP-027	22	102	21.8	21.8	119.1	97.8	96	P	DWM		
2-200	L-8	7/21/2011	6	4	LP-027	22	102	19.7	19.7	117.7	98.3	96	P	DWM		
2-201	K-8	7/21/2011	6	4	LP-027	22	102	20.5	20.5	112.9	93.6	92	P	DWM		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC* (%)	*Max Dry Unit Wt* (PCF)	*Field MC*	*Correct MC*	*Wet Unit Wt* (PCF)	*Dry Unit Wt* (PCF)	*Percent Compact* (%)	*Result*			
2-202	K-8	7/21/2011	6	4	LP-027	22	102	25	25	117.3	93.9	92	P	DWM		
2-203	K-8	7/21/2011	6	4	LP-027	22	102	24.1	24.1	116.2	93.7	92	P	DWM		
2-204	G-6	7/22/2011	6	2	LP-027	22	102	22.2	22.2	125.6	102.8	100	P	DWM		
2-205	G-6	7/22/2011	6	2	LP-027	22	102	21.7	21.7	123.7	101.6	100	P	DWM		
2-206	G-7	7/22/2011	6	2	LP-027	22	102	20.9	20.9	122.5	101.4	99	P	DWM		
2-207	G-7	7/22/2011	6	2	LP-027	22	102	23	23	122.8	99.9	98	P	DWM		
2-217	F-6	7/25/2011	6	2	LP-027	22	102	20.2	20.2	120.5	100.3	98	P	BB		
2-218	F-6	7/25/2011	6	2	LP-027	22	102	20.8	20.8	118	97.7	96	P	BB		
2-219	F-7	7/25/2011	6	2	LP-027	22	102	21	21	121.1	100.1	98	P	BB		
2-220	F-7	7/25/2011	6	2	LP-027	22	102	21.6	21.6	121.1	99.5	98	P	BB		
2-221	E-6	7/25/2011	6	2	LP-027	22	102	19.8	19.8	119.7	100	98	P	BB		
2-222	E-7	7/25/2011	6	2	LP-027	22	102	20.9	20.9	121	100.1	98	P	BB		
2-223	J-8	7/25/2011	6	2	LP-027	22	102	21.4	21.4	119.4	98.3	97	P	BB		
2-224	J-8	7/25/2011	6	2	LP-027	22	102	21.9	21.9	120.5	98.8	97	P	BB		
2-228	I-8	7/25/2011	6	2	LP-027	22	102	20.9	20.9	122.1	100.9	99	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase 1 Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 90 **Lift Thickness (Compacted - Loose):** 6 - **Moisture Range:** -3 - 3

Soil Type: 3 LP Soil-Black Creek **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-229	I-8	7/25/2011	6	2	LP-027	22	102	21.2	21.2	121.6	100.4	98	P	BB		
2-240	I-8	7/25/2011	6	2	LP-027	22	102	20.4	20.4	121.1	100.6	99	P	BB		
2-241	J-7	7/25/2011	6	2	LP-027	22	102	21	21	122.5	101.3	99	P	BB		
2-242	G-7	7/25/2011	6	2	LP-027	22	102	19.9	19.9	118.4	98.7	97	P	BB		
2-243	M-8	7/25/2011	6	3	LP-027	22	102	20.7	20.7	123	101.9	100	P	BB		
2-253	J-6	7/25/2011	6	3	LP-027	22	102	21.8	21.8	120.4	98.8	97	P	BB		
2-254	J-6	7/25/2011	6	3	LP-027	22	102	21.4	21.4	120.2	99	97	P	BB		
2-255	J-7	7/25/2011	6	3	LP-027	22	102	22.2	22.2	119.4	97.7	96	P	BB		
2-256	J-7	7/25/2011	6	3	LP-027	22	102	21.9	21.9	120.4	98.7	97	P	BB		
2-257	I-6	7/25/2011	6	3	LP-027	22	102	19.9	19.9	119.5	99.7	98	P	BB		
2-258	I-6	7/25/2011	6	3	LP-027	22	102	20.8	20.8	120.7	100	98	P	BB		
2-259	I-7	7/25/2011	6	3	LP-027	22	102	19.7	19.7	121	101.1	99	P	BB		
2-260	I-7	7/25/2011	6	3	LP-027	22	102	20.5	20.5	121.3	100.7	99	P	BB		
2-261	I-7	7/25/2011	6	3	LP-027	22	102	20.4	20.4	120.2	99.8	98	P	BB		
2-262	H-6	7/25/2011	6	3	LP-027	22	102	22.3	22.3	120.3	98.3	97	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE
Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC* (%)	*Max Dry Unit Wt* (PCF)	*Field MC*	*Correct MC*	*Wet Unit Wt* (PCF)	*Dry Unit Wt* (PCF)	*Percent Compact* (%)	*Result*			
2-264	H-7	7/25/2011	6	3	LP-027	22	102	23.2	23.2	122.3	99.2	97	P	BB		
2-265	H-7	7/25/2011	6	3	LP-027	22	102	22.5	22.5	121.9	99.5	98	P	BB		
2-271	O-6	7/26/2011	6	3	LP-069	17.5	107	18.1	18.1	122.9	104.1	97	P	BB		
2-272	O-6	7/26/2011	6	3	LP-069	17.5	107	17.2	17.2	120	102.4	96	P	BB		
2-273	O-7	7/26/2011	6	3	LP-069	17.5	107	16.8	16.8	121.1	103.7	97	P	BB		
2-274	O-7	7/26/2011	6	3	LP-069	17.5	107	16.9	16.9	122.9	105.2	98	P	BB		
2-275	O-7	7/26/2011	6	3	LP-069	17.5	107	17.1	17.1	123.9	105.8	99	P	BB		
2-303	O-6	7/26/2011	6	4	LP-069	17.5	107	16.3	16.3	122.3	105.2	98	P	BB		
2-304	O-6	7/26/2011	6	4	LP-069	17.5	107	16.3	16.3	123.3	106	99	P	BB		
2-305	O-7	7/26/2011	6	4	LP-069	17.5	107	17.2	17.2	124.6	106.4	99	P	BB		
2-306	O-7	7/26/2011	6	4	LP-069	17.5	107	16.9	16.9	125	106.9	100	P	BB		
2-319	N-7	7/26/2011	6	4	LP-069	17.5	107	17.1	17.1	122.7	104.7	98	P	BB		
2-320	N-7	7/26/2011	6	4	LP-069	17.5	107	16.3	16.3	122.1	105	98	P	BB		
2-321	N-7	7/26/2011	6	4	LP-069	17.5	107	16.9	16.9	123.7	105.8	99	P	BB		
2-322	N-6	7/26/2011	6	4	LP-069	17.5	107	16.7	16.7	122.7	105.2	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-323	N-6	7/26/2011	6	4	LP-069	17.5	107	17.3	17.3	123.1	104.9	98	P	BB		
2-336	M-6	7/28/2011	6	4	LP-027	22	102	21.3	21.3	122.9	101.3	99	P	BB		
2-337	M-6	7/28/2011	6	4	LP-027	22	102	21.7	21.7	123.9	101.8	100	P	BB		
2-338	M-7	7/28/2011	6	4	LP-027	22	102	20.9	20.9	121.7	100.7	99	P	BB		
2-339	M-7	7/28/2011	6	4	LP-027	22	102	21.2	21.2	122.3	100.9	99	P	BB		
2-344	L-7	7/28/2011	6	4	LP-027	22	102	20.7	20.7	122.7	101.7	100	P	BB		
2-345	L-7	7/28/2011	6	4	LP-027	22	102	21.2	21.2	123.5	101.9	100	P	BB		
2-346	L-6	7/28/2011	6	4	LP-027	22	102	22	22	122.9	100.8	99	P	BB		
2-347	L-6	7/28/2011	6	4	LP-027	22	102	21.1	21.1	122.3	101	99	P	BB		
2-348	K-6	7/28/2011	6	4	LP-027	22	102	21.8	21.8	122.2	100.4	98	P	BB		
2-349	K-6	7/28/2011	6	4	LP-027	22	102	21.9	21.9	121.8	99.9	98	P	BB		
2-350	K-7	7/28/2011	6	4	LP-027	22	102	19.8	19.8	121.6	101.5	100	P	BB		
2-351	K-7	7/28/2011	6	4	LP-027	22	102	19.5	19.5	121.4	101.6	100	P	BB		
2-354	H-8	8/1/2011	6	2	LP-027	22	102	21.8	21.8	119.8	98.3	96	P	BB		
2-365	G-7	8/1/2011	6	3	LP-027	22	102	23.2	23.2	120.3	97.6	96	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 90 **Lift Thickness (Compacted - Loose):** 6 - **Moisture Range:** -3 - 3

Soil Type: 3 LP Soil-Black Creek **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-366	G-7	8/1/2011	6	3	LP-027	22	102	24	24	120.5	97.2	95	P	BB		
2-367	G-6	8/1/2011	6	3	LP-027	22	102	22.6	22.6	122.3	99.8	98	P	BB		
2-368	G-6	8/1/2011	6	3	LP-027	22	102	22.1	22.1	122.4	100.3	98	P	BB		
2-378	J-7	8/2/2011	6	4	LP-027	22	102	21.3	21.3	121.6	100.3	98	P	BB		
2-379	J-7	8/2/2011	6	4	LP-027	22	102	21.7	21.7	122.8	100.9	99	P	BB		
2-380	J-7	8/2/2011	6	4	LP-027	22	102	22.1	22.1	123.3	101	99	P	BB		
2-381	I-7	8/2/2011	6	4	LP-027	22	102	23.3	23.3	121.7	98.7	97	P	BB		
2-382	I-7	8/2/2011	6	4	LP-027	22	102	23.8	23.8	121.6	98.2	96	P	BB		
2-383	I-7	8/2/2011	6	4	LP-027	22	102	24.1	24.1	120.4	97	95	P	BB		
2-384	J-6	8/2/2011	6	4	LP-027	22	102	21.5	21.5	120.5	99.1	97	P	BB		
2-385	I-6	8/2/2011	6	4	LP-027	22	102	23.6	23.6	120.3	97.3	95	P	BB		
2-386	I-6	8/2/2011	6	4	LP-027	22	102	22.9	22.9	121.5	98.8	97	P	BB		
2-387	J-6	8/2/2011	6	4	LP-027	22	102	22	22	122.7	100.6	99	P	BB		
2-388	H-6	8/2/2011	6	4	LP-027	22	102	21.1	21.1	122	100.8	99	P	BB		
2-389	H-6	8/2/2011	6	4	LP-027	22	102	19.8	19.8	121.5	101.4	99	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-390	I-8	8/2/2011	6	4	LP-027	22	102	21.8	21.8	121.6	99.9	98	P	BB		
2-391	I-8	8/2/2011	6	4	LP-027	22	102	22.2	22.2	125.7	102.9	100	P	BB		
2-392	J-8	8/2/2011	6	4	LP-027	22	102	21.3	21.3	121.4	100.1	98	P	BB		
2-397	J-8	8/19/2011	6	2	LP-027	22	102	21.6	21.6	121.8	100.2	98	P	BB		
2-398	J-8	8/19/2011	6	2	LP-027	22	102	23.5	23.5	121.3	98.2	96	P	BB		
2-399	J-9	8/19/2011	6	2	LP-028	19.5	107.5	20.1	20.1	128.2	106.7	99	P	BB		
2-400	J-9	8/19/2011	6	2	LP-028	19.5	107.5	19.8	19.8	128	106.9	99	P	BB		
2-401	I-8	8/19/2011	6	2	LP-027	22	102	23.6	23.6	122.9	99.4	97	P	BB		
2-402	I-8	8/19/2011	6	2	LP-027	22	102	22.8	22.8	122.9	100.1	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC* (%)	*Max Dry Unit Wt* (PCF)	*Field MC*	*Correct MC*	*Wet Unit Wt* (PCF)	*Dry Unit Wt* (PCF)	*Percent Compact* (%)	*Result*			
2-001	R-10	7/5/2011	6	2	LP-028	19.5	107.5	21.9	21.9	126.6	103.9	97	P	BB		
2-002	R-10	7/5/2011	6	2	LP-028	19.5	107.5	19.9	19.9	125.3	104.5	97	P	BB		
2-003	R-11	7/5/2011	6	2	LP-028	19.5	107.5	19.6	19.6	126	105.4	98	P	BB		
2-004	R-11	7/5/2011	6	2	LP-028	19.5	107.5	19.8	19.8	124.1	103.5	96	P	BB		
2-005	R-12	7/5/2011	6	2	LP-028	19.5	107.5	21.2	21.2	128.1	105.7	98	P	BB		
2-006	R-12	7/5/2011	6	2	LP-028	19.5	107.5	22.3	22.3	126.1	103.1	96	P	BB		
2-007	R-12	7/5/2011	6	2	LP-028	19.5	107.5	19.6	19.6	125	104.5	97	P	BB		
2-008	Q-12	7/5/2011	6	2	LP-028	19.5	107.5	19	19	121.8	102.3	95	P	BB		
2-009	Q-12	7/5/2011	6	2	LP-028	19.5	107.5	19.8	19.8	123.4	103.1	96	P	BB		
2-010	Q-11	7/5/2011	6	2	LP-028	19.5	107.5	19.6	19.6	127	106.2	99	P	BB		
2-011	Q-11	7/5/2011	6	2	LP-028	19.5	107.5	22.3	22.3	125.2	102.3	95	P	BB		
2-012	Q-11	7/5/2011	6	2	LP-028	19.5	107.5	19.8	19.8	126.7	105.8	98	P	BB		
2-013	Q-10	7/5/2011	6	2	LP-028	19.5	107.5	20	20	122.7	102.2	95	P	BB		
2-014	Q-10	7/5/2011	6	2	LP-028	19.5	107.5	19.1	19.1	121.6	102.1	95	P	BB		
2-015	P-10	7/5/2011	6	2	LP-028	19.5	107.5	21.2	21.2	125.5	103.5	96	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase 1 Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-016	P-10	7/5/2011	6	2	LP-028	19.5	107.5	19.8	19.8	125.6	104.8	98	P	BB		
2-017	P-10	7/5/2011	6	2	LP-028	19.5	107.5	19.4	19.4	126	105.5	98	P	BB		
2-018	P-11	7/5/2011	6	2	LP-028	19.5	107.5	20.3	20.3	124.7	103.6	96	P	BB		
2-019	P-11	7/5/2011	6	2	LP-028	19.5	107.5	18.9	18.9	121.4	102.1	95	P	BB		
2-020	P-12	7/5/2011	6	2	LP-028	19.5	107.5	19.7	19.7	125.9	105.1	98	P	BB		
2-021	P-12	7/5/2011	6	2	LP-028	19.5	107.5	20.5	20.5	123.6	102.6	95	P	BB		
2-022	O-12	7/5/2011	6	2	LP-028	19.5	107.5	19.8	19.8	123.2	102.9	96	P	BB		
2-023	O-12	7/5/2011	6	2	LP-028	19.5	107.5	19.5	19.5	124.3	104.1	97	P	BB		
2-024	O-11	7/5/2011	6	2	LP-028	19.5	107.5	18.9	18.9	122	102.6	95	P	BB		
2-025	O-11	7/5/2011	6	2	LP-028	19.5	107.5	19.9	19.9	125.4	104.6	97	P	BB		
2-026	O-11	7/5/2011	6	2	LP-028	19.5	107.5	20.8	20.8	124.5	103.1	96	P	BB		
2-027	O-10	7/5/2011	6	2	LP-028	19.5	107.5	21.6	21.6	124.3	102.2	95	P	BB		
2-028	O-10	7/5/2011	6	2	LP-028	19.5	107.5	18.8	18.8	121.9	102.6	95	P	BB		
2-029	O-9	7/5/2011	6	2	LP-028	19.5	107.5	19.7	19.7	126.2	105.5	98	P	BB		
2-030	O-9	7/5/2011	6	2	LP-028	19.5	107.5	19.8	19.8	126.1	105.2	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-031	O-9	7/5/2011	6	2	LP-028	19.5	107.5	20.1	20.1	124.3	103.5	96	P	BB		
2-032	O-8	7/5/2011	6	2	LP-028	19.5	107.5	19.7	19.7	126.5	105.7	98	P	BB		
2-033	O-8	7/5/2011	6	2	LP-028	19.5	107.5	18.7	18.7	121.5	102.3	95	P	BB		
2-034	N-8	7/5/2011	6	2	LP-028	19.5	107.5	20	20	122.7	102.3	95	P	BB		
2-035	N-8	7/5/2011	6	2	LP-028	19.5	107.5	19.6	19.6	126.7	105.9	99	P	BB		
2-036	N-9	7/5/2011	6	2	LP-028	19.5	107.5	19.6	19.6	126.5	105.8	98	P	BB		
2-037	N-9	7/5/2011	6	2	LP-028	19.5	107.5	20.2	20.2	123.8	103	96	P	BB		
2-038	N-10	7/5/2011	6	2	LP-028	19.5	107.5	19.9	19.9	125.5	104.7	97	P	BB		
2-039	N-10	7/5/2011	6	2	LP-028	19.5	107.5	18.8	18.8	121.5	102.2	95	P	BB		
2-040	N-11	7/5/2011	6	2	LP-028	19.5	107.5	19.1	19.1	124.1	104.2	97	P	BB		
2-041	N-11	7/5/2011	6	2	LP-028	19.5	107.5	19.7	19.7	126.4	105.5	98	P	BB		
2-042	N-12	7/5/2011	6	2	LP-028	19.5	107.5	18.9	18.9	121.7	102.3	95	P	BB		
2-043	N-12	7/5/2011	6	2	LP-028	19.5	107.5	18.8	18.8	121	101.8	95	P	BB		
2-053	U-9	7/6/2011	6	2	LP-028	19.5	107.5	18.9	18.9	122.2	102.8	95	P	BB		
2-054	U-9	7/6/2011	6	2	LP-028	19.5	107.5	19.7	19.7	126	105.2	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-055	U-10	7/6/2011	6	2	LP-028	19.5	107.5	20.1	20.1	126.1	104.9	98	P	BB		
2-056	U-10	7/6/2011	6	2	LP-028	19.5	107.5	19.8	19.8	125.7	105	98	P	BB		
2-057	U-11	7/6/2011	6	2	LP-028	19.5	107.5	21.4	21.4	125.9	103.7	97	P	BB		
2-058	U-11	7/6/2011	6	2	LP-028	19.5	107.5	20.9	20.9	126.2	104.4	97	P	BB		
2-059	U-12	7/6/2011	6	2	LP-028	19.5	107.5	19	19	122.2	102.7	96	P	BB		
2-060	U-12	7/6/2011	6	2	LP-028	19.5	107.5	18.7	18.7	121.1	102	95	P	BB		
2-061	T-12	7/6/2011	6	2	LP-028	19.5	107.5	18.8	18.8	121.3	102.1	95	P	BB		
2-062	T-12	7/6/2011	6	2	LP-028	19.5	107.5	19.4	19.4	123.3	103.3	96	P	BB		
2-063	T-11	7/6/2011	6	2	LP-028	19.5	107.5	20.2	20.2	125.2	104.2	97	P	BB		
2-064	T-11	7/6/2011	6	2	LP-028	19.5	107.5	20.1	20.1	124.3	103.5	96	P	BB		
2-065	T-10	7/6/2011	6	2	LP-028	19.5	107.5	19.5	19.5	122.7	102.7	96	P	BB		
2-066	T-10	7/6/2011	6	2	LP-028	19.5	107.5	19.8	19.8	125.2	104.5	97	P	BB		
2-067	T-10	7/6/2011	6	2	LP-028	19.5	107.5	19.1	19.1	124.2	104.3	97	P	BB		
2-068	T-9	7/6/2011	6	2	LP-028	19.5	107.5	18.9	18.9	123.5	103.8	97	P	BB		
2-069	T-9	7/6/2011	6	2	LP-028	19.5	107.5	19.4	19.4	123	103	96	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE
Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-070	S-9	7/6/2011	6	2	LP-028	19.5	107.5	20.6	20.6	123.3	102.3	95	P	BB		
2-071	S-9	7/6/2011	6	2	LP-028	19.5	107.5	20	20	122.9	102.4	95	P	BB		
2-072	S-9	7/6/2011	6	2	LP-028	19.5	107.5	19.2	19.2	121.5	101.9	95	P	BB		
2-073	S-10	7/6/2011	6	2	LP-028	19.5	107.5	19	19	122.7	103.1	96	P	BB		
2-074	S-10	7/6/2011	6	2	LP-028	19.5	107.5	18.8	18.8	122.3	102.9	96	P	BB		
2-075	S-11	7/6/2011	6	2	LP-028	19.5	107.5	19.7	19.7	123.7	103.3	96	P	BB		
2-076	S-11	7/6/2011	6	2	LP-028	19.5	107.5	19.9	19.9	124.1	103.5	96	P	BB		
2-077	S-11	7/6/2011	6	2	LP-028	19.5	107.5	20.2	20.2	122.7	102.1	95	P	BB		
2-078	S-12	7/6/2011	6	2	LP-028	19.5	107.5	21	21	123.8	102.3	95	P	BB		
2-079	S-12	7/6/2011	6	2	LP-028	19.5	107.5	20.7	20.7	123.4	102.2	95	P	BB		
2-080	P-9	7/6/2011	6	2	LP-028	19.5	107.5	18.7	18.7	122.5	103.2	96	P	BB		
2-081	P-9	7/6/2011	6	2	LP-028	19.5	107.5	19.3	19.3	121.7	102	95	P	BB		
2-082	Q-9	7/6/2011	6	2	LP-028	19.5	107.5	18.9	18.9	120.9	101.7	95	P	BB		
2-083	Q-9	7/6/2011	6	2	LP-028	19.5	107.5	19.4	19.4	122.3	102.4	95	P	BB		
2-084	R-9	7/6/2011	6	2	LP-028	19.5	107.5	19	19	121.8	102.3	95	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Sample No	Lab OMC (%)	Lab Max Dry Unit Wt (PCF)	Field MC	Field Correct MC	Field Wet Unit Wt (PCF)	Field Dry Unit Wt (PCF)	Field Percent Compact (%)	Field Result	QA ID	Retest No	Retest Result
2-085	R-9	7/6/2011	6	2	LP-028	19.5	107.5	19.7	19.7	123.3	103	96	P	BB		
2-086	R-8	7/6/2011	6	2	LP-028	19.5	107.5	20.9	20.9	123.3	102	95	P	BB		
2-087	R-8	7/6/2011	6	2	LP-028	19.5	107.5	19.4	19.4	121.9	102.1	95	P	BB		
2-088	Q-8	7/6/2011	6	2	LP-028	19.5	107.5	19.9	19.9	124.6	103.9	97	P	BB		
2-089	Q-8	7/6/2011	6	2	LP-028	19.5	107.5	20.4	20.4	123.9	102.9	96	P	BB		
2-090	Q-8	7/6/2011	6	2	LP-028	19.5	107.5	20.1	20.1	122.9	102.3	95	P	BB		
2-091	P-8	7/6/2011	6	2	LP-028	19.5	107.5	21.2	21.2	126.8	104.6	97	P	BB		
2-092	P-8	7/6/2011	6	2	LP-028	19.5	107.5	19.8	19.8	123.8	103.3	96	P	BB		
2-112	M-12	7/12/2011	6	2	LP-028	19.5	107.5	17.5	17.5	132	112.3	100	P	DWM		
2-113	M-12	7/12/2011	6	2	LP-028	19.5	107.5	16.8	16.8	128.2	109.8	100	P	DWM		
2-114	M-11	7/12/2011	6	2	LP-028	19.5	107.5	16.5	16.5	131	112.5	100	P	DWM		
2-115	M-11	7/12/2011	6	2	LP-028	19.5	107.5	16.6	16.6	130.2	111.7	100	P	DWM		
2-116	M-10	7/12/2011	6	2	LP-028	19.5	107.5	17	17	129.8	110.9	100	P	DWM		
2-117	M-10	7/12/2011	6	2	LP-028	19.5	107.5	17.3	17.3	124.1	105.8	99	P	DWM		
2-118	M-9	7/12/2011	6	2	LP-028	19.5	107.5	17.5	17.5	128.3	109.2	100	P	DWM		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-119	M-9	7/12/2011	6	2	LP-028	19.5	107.5	16.8	16.8	125.9	107.8	100	P	DWM		
2-120	M-9	7/12/2011	6	2	LP-028	19.5	107.5	17.7	17.7	123.6	105	98	P	DWM		
2-121	L-12	7/12/2011	6	2	LP-028	19.5	107.5	16.9	16.9	129.1	110.4	100	P	DWM		
2-122	L-12	7/12/2011	6	2	LP-028	19.5	107.5	16.6	16.6	126.8	108.7	100	P	DWM		
2-123	L-11	7/12/2011	6	2	LP-028	19.5	107.5	18.4	18.4	130.5	110.3	100	P	DWM		
2-124	L-11	7/12/2011	6	2	LP-028	19.5	107.5	17.1	17.1	130.5	111.4	100	P	DWM		
2-125	L-10	7/13/2011	6	2	LP-028	19.5	107.5	16.5	16.5	129.8	111.4	100	P	DWM		
2-126	L-10	7/13/2011	6	2	LP-028	19.5	107.5	17.5	17.5	129.5	110.2	100	P	DWM		
2-127	L-9	7/13/2011	6	2	LP-028	19.5	107.5	16.6	16.6	130.9	112.3	100	P	DWM		
2-128	L-9	7/13/2011	6	2	LP-028	19.5	107.5	16.5	16.5	132.6	113.8	100	P	DWM		
2-129	L-9	7/13/2011	6	2	LP-028	19.5	107.5	16.7	16.7	131.7	112.8	100	P	DWM		
2-130	K-9	7/13/2011	6	2	LP-028	19.5	107.5	16.5	16.5	128.7	110.5	100	P	DWM		
2-131	K-9	7/13/2011	6	2	LP-028	19.5	107.5	17.4	17.4	130	110.7	100	P	DWM		
2-157	K-10	7/14/2011	6	2	LP-028	19.5	107.5	16.5	16.5	130.7	112.2	100	P	DWM		
2-158	K-10	7/14/2011	6	2	LP-028	19.5	107.5	16.6	16.6	130	111.5	100	P	DWM		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 90 **Lift Thickness (Compacted - Loose):** 6 - **Moisture Range:** -3 - 3

Soil Type: 4 LP Soil-Marcellus **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-159	K-11	7/14/2011	6	2	LP-028	19.5	107.5	16.5	16.5	128.5	110.3	100	P	DWM		
2-160	K-11	7/14/2011	6	2	LP-028	19.5	107.5	16.7	16.7	132	113.1	100	P	DWM		
2-161	K-12	7/14/2011	6	2	LP-028	19.5	107.5	17.6	17.6	131.5	111.8	100	P	DWM		
2-162	K-12	7/14/2011	6	2	LP-028	19.5	107.5	16.9	16.9	130.3	111.5	100	P	DWM		
2-163	K-12	7/14/2011	6	2	LP-028	19.5	107.5	17.6	17.6	128	108.8	100	P	DWM		
2-164	J-9	7/14/2011	6	2	LP-028	19.5	107.5	16.5	16.5	133.1	114.3	100	P	DWM		
2-165	J-10	7/14/2011	6	2	LP-028	19.5	107.5	18	18	128.5	108.8	100	P	DWM		
2-166	J-11	7/14/2011	6	2	LP-028	19.5	107.5	16.7	16.7	132.1	113.2	100	P	DWM		
2-169	J-12	7/15/2011	6	2	LP-028	19.5	107.5	16.8	16.8	130.7	111.9	100	P	DWM		
2-170	J-12	7/15/2011	6	2	LP-028	19.5	107.5	17.6	17.6	129.5	110.2	100	P	DWM		
2-184	N-12	7/15/2011	6	3	LP-028	19.5	107.5	16.7	16.7	130	111.4	100	P	DWM		
2-185	N-12	7/15/2011	6	3	LP-028	19.5	107.5	17.7	17.7	128.7	109.4	100	P	DWM		
2-186	N-11	7/15/2011	6	3	LP-028	19.5	107.5	16.8	16.8	130	111.3	100	P	DWM		
2-187	N-11	7/15/2011	6	3	LP-028	19.5	107.5	16.8	16.8	131.8	112.8	100	P	DWM		
2-188	N-10	7/15/2011	6	3	LP-028	19.5	107.5	16.7	16.7	127	108.8	100	P	DWM		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-189	N-10	7/15/2011	6	3	LP-028	19.5	107.5	17.8	17.8	128.3	108.9	100	P	DWM		
2-190	N-9	7/15/2011	6	3	LP-028	19.5	107.5	16.6	16.6	128.9	110.5	100	P	DWM		
2-191	N-9	7/15/2011	6	3	LP-028	19.5	107.5	17.8	17.8	128.7	109.3	100	P	DWM		
2-192	N-9	7/15/2011	6	3	LP-028	19.5	107.5	20.7	20.7	127.8	105.9	99	P	DWM		
2-193	S-8, East Sump	7/16/2011	6	2	LP-028	19.5	107.5	18.7	18.7	131	110.4	100	P	DWM		
2-194	S-8, East Sump	7/16/2011	6	2	LP-028	19.5	107.5	20	20	126.8	105.7	98	P	DWM		
2-208	L-9	7/22/2011	6	3	LP-028	19.5	107.5	17	17	128.8	110.1	100	P	DWM		
2-209	L-9	7/22/2011	6	3	LP-028	19.5	107.5	16.6	16.6	129.5	111.1	100	P	DWM		
2-210	L-10	7/22/2011	6	3	LP-028	19.5	107.5	16.8	16.8	125	107	100	P	DWM		
2-211	L-10	7/22/2011	6	3	LP-028	19.5	107.5	16.5	16.5	126.3	108.4	100	P	DWM		
2-212	L-11	7/22/2011	6	3	LP-028	19.5	107.5	16.9	16.9	130	111.2	100	P	DWM		
2-213	L-11	7/22/2011	6	3	LP-028	19.5	107.5	16.7	16.7	128.4	110	100	P	DWM		
2-214	L-12	7/22/2011	6	3	LP-028	19.5	107.5	17.1	17.1	125.6	107.3	100	P	DWM		
2-215	L-12	7/22/2011	6	3	LP-028	19.5	107.5	16.5	16.5	131.7	113.1	100	P	DWM		
2-216	L-12	7/22/2011	6	3	LP-028	19.5	107.5	17.5	17.5	130.5	111.1	100	P	DWM		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 90 **Lift Thickness (Compacted - Loose):** 6 - **Moisture Range:** -3 - 3

Soil Type: 4 LP Soil-Marcellus **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-225	J-9	7/25/2011	6	2	LP-028	19.5	107.5	19.5	19.5	126	105.4	98	P	BB		
2-226	J-10	7/25/2011	6	2	LP-028	19.5	107.5	20	20	127.7	106.4	99	P	BB		
2-227	J-11	7/25/2011	6	2	LP-028	19.5	107.5	18.9	18.9	124.6	104.8	98	P	BB		
2-230	I-9	7/25/2011	6	2	LP-028	19.5	107.5	19.7	19.7	127.3	106.3	99	P	BB		
2-231	I-9	7/25/2011	6	2	LP-028	19.5	107.5	18.1	18.1	126.4	107.1	100	P	BB		
2-232	I-10	7/25/2011	6	2	LP-028	19.5	107.5	19.4	19.4	124.4	104.2	97	P	BB		
2-233	I-10	7/25/2011	6	2	LP-028	19.5	107.5	19.1	19.1	125.3	105.2	98	P	BB		
2-234	I-11	7/25/2011	6	2	LP-028	19.5	107.5	19.9	19.9	125.8	104.9	98	P	BB		
2-235	I-11	7/25/2011	6	2	LP-028	19.5	107.5	19	19	125.7	105.7	98	P	BB		
2-236	I-12	7/25/2011	6	2	LP-028	19.5	107.5	20.4	20.4	126.1	104.7	97	P	BB		
2-237	I-12	7/25/2011	6	2	LP-028	19.5	107.5	20.9	20.9	127.2	105.2	98	P	BB		
2-238	I-12	7/25/2011	6	2	LP-028	19.5	107.5	19.5	19.5	126.1	105.6	98	P	BB		
2-239	I-10	7/25/2011	6	2	LP-028	19.5	107.5	19.8	19.8	127.2	106.2	98	P	BB		
2-244	M-9	7/25/2011	6	3	LP-028	19.5	107.5	18.6	18.6	127.1	107.2	100	P	BB		
2-245	M-9	7/25/2011	6	3	LP-028	19.5	107.5	18.9	18.9	127.3	107.1	100	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE
Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-246	M-9	7/25/2011	6	3	LP-028	19.5	107.5	19.1	19.1	127.1	106.7	100	P	BB		
2-247	M-10	7/25/2011	6	3	LP-028	19.5	107.5	18.7	18.7	126.2	106.3	99	P	BB		
2-248	M-10	7/25/2011	6	3	LP-028	19.5	107.5	18.8	18.8	126	106.1	99	P	BB		
2-249	M-11	7/25/2011	6	3	LP-028	19.5	107.5	19.2	19.2	127.5	107	100	P	BB		
2-250	M-11	7/25/2011	6	3	LP-028	19.5	107.5	19.8	19.8	127.2	106.2	99	P	BB		
2-251	M-12	7/25/2011	6	3	LP-028	19.5	107.5	20.2	20.2	125.7	104.6	98	P	BB		
2-252	M-12	7/25/2011	6	3	LP-028	19.5	107.5	20.9	20.9	127.2	105.2	98	P	BB		
2-266	T-12	7/26/2011	6	3	LP-068	16	111	17.4	17.4	126	107.3	97	P	BB		
2-267	T-12	7/26/2011	6	3	LP-068	16	111	17	17	127	108.6	98	P	BB		
2-268	T-12	7/26/2011	6	3	LP-068	16	111	16.7	16.7	125.8	107.8	97	P	BB		
2-269	U-12	7/26/2011	6	3	LP-068	16	111	16.3	16.3	129.1	111	100	P	BB		
2-270	U-12	7/26/2011	6	3	LP-068	16	111	17.8	17.8	128.7	109.2	98	P	BB		
2-276	O-8	7/26/2011	6	3	LP-068	16	111	16.3	16.3	125.5	107.9	97	P	BB		
2-277	O-8	7/26/2011	6	3	LP-068	16	111	17.8	17.8	126.2	107.1	97	P	BB		
2-278	O-9	7/26/2011	6	3	LP-068	16	111	15.7	15.7	125.7	108.7	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC (%)*	*Max Dry Unit Wt (PCF)*	*Field MC*	*Correct MC*	*Wet Unit Wt (PCF)*	*Dry Unit Wt (PCF)*	*Percent Compact (%)*	*Result*			
2-279	O-9	7/26/2011	6	3	LP-068	16	111	15.9	15.9	127.1	109.7	99	P	BB		
2-280	P-8	7/26/2011	6	3	LP-068	16	111	15	15	127.3	110.7	100	P	BB		
2-281	P-8	7/26/2011	6	3	LP-068	16	111	15.2	15.2	126.7	110	100	P	BB		
2-282	O-10	7/26/2011	6	3	LP-068	16	111	16.4	16.4	127.3	109.3	99	P	BB		
2-283	O-10	7/26/2011	6	3	LP-068	16	111	17.2	17.2	127.4	108.7	98	P	BB		
2-284	P-9	7/26/2011	6	3	LP-068	16	111	16.8	16.8	125.5	107.4	97	P	BB		
2-285	P-9	7/26/2011	6	3	LP-068	16	111	17.5	17.5	126.8	107.9	97	P	BB		
2-286	Q-9	7/26/2011	6	3	LP-068	16	111	15.8	15.8	127.1	109.8	99	P	BB		
2-287	Q-9	7/26/2011	6	3	LP-068	16	111	15.5	15.5	126.9	109.9	99	P	BB		
2-288	Q-9	7/26/2011	6	3	LP-068	16	111	16.2	16.2	125.8	108.2	98	P	BB		
2-289	R-10	7/26/2011	6	3	LP-068	16	111	15.9	15.9	126.5	109.1	98	P	BB		
2-290	R-10	7/26/2011	6	3	LP-068	16	111	15.1	15.1	126.7	110.1	99	P	BB		
2-291	T-9	7/26/2011	6	3	LP-068	16	111	16.8	16.8	125.6	107.6	97	P	BB		
2-292	T-9	7/26/2011	6	3	LP-068	16	111	16	16	125	107.8	97	P	BB		
2-293	O-11	7/26/2011	6	3	LP-068	16	111	15.6	15.6	126.9	109.8	99	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC* (%)	*Max Dry Unit Wt* (PCF)	*Field MC*	*Correct MC*	*Wet Unit Wt* (PCF)	*Dry Unit Wt* (PCF)	*Percent Compact* (%)	*Result*			
2-294	O-11	7/26/2011	6	3	LP-068	16	111	15.3	15.3	127.5	110.6	100	P	BB		
2-295	O-11	7/26/2011	6	3	LP-068	16	111	15.7	15.7	128.3	110.9	100	P	BB		
2-296	P-11	7/26/2011	6	3	LP-068	16	111	15.9	15.9	127.7	110.2	99	P	BB		
2-297	P-11	7/26/2011	6	3	LP-068	16	111	15.8	15.8	128.1	110.7	100	P	BB		
2-298	U-12	7/26/2011	6	4	LP-068	16	111	16.1	16.1	126.9	109.3	99	P	BB		
2-299	U-12	7/26/2011	6	4	LP-068	16	111	16.4	16.4	124.5	107	96	P	BB		
2-300	T-12	7/26/2011	6	4	LP-068	16	111	17.3	17.3	126.8	108.1	97	P	BB		
2-301	T-12	7/26/2011	6	4	LP-068	16	111	16.7	16.7	125.9	107.9	97	P	BB		
2-302	T-12	7/26/2011	6	4	LP-068	16	111	16.9	16.9	127	108.7	98	P	BB		
2-307	O-8	7/26/2011	6	4	LP-068	16	111	16.1	16.1	125.8	108.3	98	P	BB		
2-308	O-8	7/26/2011	6	4	LP-068	16	111	16.6	16.6	125.1	107.3	97	P	BB		
2-309	O-8	7/26/2011	6	4	LP-068	16	111	15.9	15.9	125	107.9	97	P	BB		
2-310	P-8	7/26/2011	6	4	LP-068	16	111	16	16	123.5	106.4	96	P	BB		
2-311	P-8	7/26/2011	6	4	LP-068	16	111	15.6	15.6	123.3	106.7	96	P	BB		
2-312	P-9	7/26/2011	6	4	LP-068	16	111	15.8	15.8	124.5	107.6	97	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-313	P-9	7/26/20 1	6	4	LP-068	16	111	16.2	16.2	123	105.9	95	P	BB		
2-314	N-9	7/26/20 1	6	4	LP-068	16	111	15.7	15.7	123.8	107	96	P	BB		
2-315	N-9	7/26/20 1	6	4	LP-068	16	111	15.3	15.3	124.1	107.7	97	P	BB		
2-316	N-9	7/26/201 1	6	4	LP-068	16	111	15.1	15.1	124.3	108	97	P	BB		
2-317	N-10	7/26/2011	6	4	LP-068	16	111	14.9	14.9	126.6	110.2	99	P	BB		
2-318	N-10	7/26/2011	6	4	LP-068	16	111	15.5	15.5	126.7	109.7	99	P	BB		
2-324	R-10	7/26/2011	6	4	LP-068	16	111	15	15	127.1	110.6	100	P	BB		
2-325	R-10	7/26/2011	6	4	LP-068	16	111	15.8	15.8	127.2	109.9	99	P	BB		
2-326	T-11	7/27/2011	6	3	LP-028	19.5	107.5	19.4	19.4	123.1	103.1	96	P	BB		
2-327	T-11	7/27/2011	6	3	LP-028	19.5	107.5	19.8	19.8	124.1	103.6	96	P	BB		
2-328	S-11	7/27/2011	6	3	LP-028	19.5	107.5	18.8	18.8	124.3	104.6	97	P	BB		
2-329	S-11	7/27/2011	6	3	LP-028	19.5	107.5	19.1	19.1	123.9	104.1	97	P	BB		
2-330	S-12	7/27/2011	6	3	LP-028	19.5	107.5	18.5	18.5	125.1	105.5	98	P	BB		
2-331	S-12	7/27/2011	6	3	LP-028	19.5	107.5	18.9	18.9	126	105.9	99	P	BB		
2-332	Q-11	7/27/2011	6	3	LP-028	19.5	107.5	19.1	19.1	124.8	104.8	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-333	Q-11	7/27/2011	6	3	LP-028	19.5	107.5	19.3	19.3	124.3	104.2	97	P	BB		
2-334	U-11	7/27/2011	6	3	LP-028	19.5	107.5	18.9	18.9	125.3	105.4	98	P	BB		
2-335	U-11	7/27/2011	6	3	LP-028	19.5	107.5	18.1	18.1	123.3	104.4	97	P	BB		
2-340	M-9	7/28/2011	6	4	LP-068	16	111	16.8	16.8	125.1	107.1	97	P	BB		
2-341	M-9	7/28/2011	6	4	LP-068	16	111	17.3	17.3	126.6	107.9	97	P	BB		
2-342	L-9	7/28/2011	6	4	LP-068	16	111	16.5	16.5	127.1	109	98	P	BB		
2-343	L-9	7/28/2011	6	4	LP-068	16	111	16.9	16.9	126.4	108.1	97	P	BB		
2-352	M-10	7/28/2011	6	4	LP-068	16	111	17	17	124.4	106.3	96	P	BB		
2-353	M-10	7/28/2011	6	4	LP-068	16	111	16.6	16.6	125.4	107.6	97	P	BB		
2-355	H-8	8/1/2011	6	2	LP-028	19.5	107.5	18.9	18.9	122.6	103.1	96	P	BB		
2-356	H-9	8/1/2011	6	2	LP-028	19.5	107.5	18.4	18.4	121.7	102.8	96	P	BB		
2-357	H-9	8/1/2011	6	2	LP-028	19.5	107.5	18.2	18.2	122.9	103.9	97	P	BB		
2-358	H-9	8/1/2011	6	2	LP-028	19.5	107.5	18.8	18.8	124	104.4	97	P	BB		
2-359	H-10	8/1/2011	6	2	LP-028	19.5	107.5	19	19	125.4	105.4	98	P	BB		
2-360	H-10	8/1/2011	6	2	LP-028	19.5	107.5	19.3	19.3	124.9	104.7	97	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-361	H-11	8/1/2011	6	2	LP-028	19.5	107.5	19.7	19.7	126.5	105.7	98	P	BB		
2-362	H-11	8/1/2011	6	2	LP-028	19.5	107.5	20.1	20.1	127.2	105.9	99	P	BB		
2-363	H-12	8/1/2011	6	2	LP-028	19.5	107.5	20.5	20.5	125.5	104.2	97	P	BB		
2-364	H-12	8/1/2011	6	2	LP-028	19.5	107.5	19.9	19.9	125.9	105	98	P	BB		
2-369	K-9	8/1/2011	6	3	LP-028	19.5	107.5	19.1	19.1	126.6	106.3	99	P	BB		
2-370	K-9	8/1/2011	6	3	LP-028	19.5	107.5	18.5	18.5	124.3	104.9	98	P	BB		
2-371	K-10	8/1/2011	6	3	LP-028	19.5	107.5	19.6	19.6	124.6	104.2	97	P	BB		
2-372	K-10	8/1/2011	6	3	LP-028	19.5	107.5	19.9	19.9	125.3	104.5	97	P	BB		
2-373	K-10	8/1/2011	6	3	LP-028	19.5	107.5	20.2	20.2	123.8	103	96	P	BB		
2-374	K-11	8/1/2011	6	3	LP-028	19.5	107.5	18.8	18.8	122.7	103.3	96	P	BB		
2-375	K-11	8/1/2011	6	3	LP-028	19.5	107.5	18.2	18.2	121.2	102.6	95	P	BB		
2-376	K-12	8/1/2011	6	3	LP-028	19.5	107.5	18.9	18.9	122.7	103.2	96	P	BB		
2-377	K-12	8/1/2011	6	3	LP-028	19.5	107.5	19	19	123.6	103.8	97	P	BB		
2-393	J-8	8/2/2011	6	4	LP-028	19.5	107.5	20.6	20.6	126.7	105	98	P	BB		
2-394	K-9	8/2/2011	6	4	LP-028	19.5	107.5	19.9	19.9	126.7	105.7	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE
Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC* (%)	*Max Dry Unit Wt* (PCF)	*Field MC*	*Correct MC*	*Wet Unit Wt* (PCF)	*Dry Unit Wt* (PCF)	*Percent Compact* (%)	*Result*			
2-395	K-9	8/2/2011	6	4	LP-028	19.5	107.5	19.4	19.4	125.7	105.2	98	P	BB		
2-396	K-9	8/2/2011	6	4	LP-028	19.5	107.5	20.1	20.1	125.1	104.2	97	P	BB		
2-403	I-9	8/19/2011	6	2	LP-028	19.5	107.5	18.9	18.9	126.7	106.5	99	P	BB		
2-404	I-9	8/19/2011	6	2	LP-028	19.5	107.5	18.4	18.4	126.6	106.9	99	P	BB		
2-405	I-10	8/19/2011	6	2	LP-028	19.5	107.5	19.1	19.1	125.9	105.7	98	P	BB		
2-406	I-10	8/19/2011	6	2	LP-028	19.5	107.5	19.9	19.9	126.8	105.8	98	P	BB		
2-407	J-10	8/19/2011	6	2	LP-028	19.5	107.5	19.6	19.6	125.2	104.7	97	P	BB		
2-408	J-10	8/19/2011	6	2	LP-028	19.5	107.5	20.8	20.8	126.2	104.5	97	P	BB		
2-409	J-11	8/19/2011	6	2	LP-028	19.5	107.5	21.6	21.6	126	103.6	96	P	BB		
2-410	J-11	8/19/2011	6	2	LP-028	19.5	107.5	22.4	22.4	125.5	102.6	95	P	BB		
2-411	J-11	8/19/2011	6	2	LP-028	19.5	107.5	21.7	21.7	126.1	103.6	96	P	BB		
2-412	I-11	8/19/2011	6	2	LP-028	19.5	107.5	20.9	20.9	126.2	104.4	97	P	BB		
2-413	I-11	8/19/2011	6	2	LP-028	19.5	107.5	21.2	21.2	125.1	103.2	96	P	BB		
2-414	I-12	8/19/2011	6	2	LP-028	19.5	107.5	18.9	18.9	124.2	104.5	97	P	BB		
2-415	I-12	8/19/2011	6	2	LP-028	19.5	107.5	19.1	19.1	124.2	104.3	97	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
2-416	I-12	8/19/2011	6	2	LP-028	19.5	107.5	19.7	19.7	123.8	103.4	96	P	BB		
2-417	J-12	8/19/2011	6	2	LP-028	19.5	107.5	18.8	18.8	124.5	104.8	97	P	BB		
2-418	J-12	8/19/2011	6	2	LP-028	19.5	107.5	18.5	18.5	123.9	104.6	97	P	BB		
2-419	G-9	8/20/2011	6	2	LP-028	19.5	107.5	19.9	19.9	124.2	103.6	96	P	BB		
2-420	G-9	8/20/2011	6	2	LP-028	19.5	107.5	20	20	124.1	103.4	96	P	BB		
2-421	G-10	8/20/2011	6	2	LP-028	19.5	107.5	19.3	19.3	124.8	104.6	97	P	BB		
2-422	G-10	8/20/2011	6	2	LP-028	19.5	107.5	19	19	122.2	102.7	95	P	BB		
2-423	G-11	8/20/2011	6	2	LP-028	19.5	107.5	20.2	20.2	124.3	103.4	96	P	BB		
2-424	G-11	8/20/2011	6	2	LP-028	19.5	107.5	19.8	19.8	125.6	104.8	97	P	BB		
2-425	G-12	8/20/2011	6	2	LP-028	19.5	107.5	18.9	18.9	125.4	105.5	98	P	BB		
2-426	G-12	8/20/2011	6	2	LP-028	19.5	107.5	19.4	19.4	127.3	106.6	99	P	BB		
2-427	F-12	8/20/2011	6	2	LP-028	19.5	107.5	18.8	18.8	125.5	105.7	98	P	BB		
2-428	F-12	8/20/2011	6	2	LP-028	19.5	107.5	18.3	18.3	123.9	104.7	97	P	BB		
2-429	F-11	8/20/2011	6	2	LP-028	19.5	107.5	18	18	123.4	104.6	97	P	BB		
2-430	F-11	8/20/2011	6	2	LP-028	19.5	107.5	17.7	17.7	122.1	103.7	96	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC* (%)	*Max Dry Unit Wt* (PCF)	*Field MC*	*Correct MC*	*Wet Unit Wt* (PCF)	*Dry Unit Wt* (PCF)	*Percent Compact* (%)	*Result*			
2-431	F-10	8/20/2011	6	2	LP-028	19.5	107.5	17.9	17.9	122.1	103.5	96	P	BB		
2-432	F-10	8/20/2011	6	2	LP-028	19.5	107.5	18.2	18.2	123.8	104.7	97	P	BB		
2-433	F-9	8/20/2011	6	2	LP-028	19.5	107.5	19.1	19.1	125.5	105.4	98	P	BB		
2-434	F-9	8/20/2011	6	2	LP-028	19.5	107.5	19.9	19.9	126.9	105.9	98	P	BB		
2-435	H-9	9/2/2011	6	2	LP-028	19.5	107.5	18.7	18.7	124	104.5	97	P	BB		
2-436	H-9	9/2/2011	6	2	LP-028	19.5	107.5	19.6	19.6	126.4	105.7	98	P	BB		
2-437	H-10	9/2/2011	6	2	LP-028	19.5	107.5	18.3	18.3	125.9	106.4	99	P	BB		
2-438	H-10	9/2/2011	6	2	LP-028	19.5	107.5	18.8	18.8	126.8	106.7	99	P	BB		
2-439	H-11	9/2/2011	6	2	LP-028	19.5	107.5	19	19	127.2	106.8	99	P	BB		
2-440	H-11	9/2/2011	6	2	LP-028	19.5	107.5	18.4	18.4	125.1	105.6	98	P	BB		
2-441	H-12	9/2/2011	6	2	LP-028	19.5	107.5	18.1	18.1	124.9	105.8	98	P	BB		
2-442	H-12	9/2/2011	6	2	LP-028	19.5	107.5	19.9	19.9	127.9	106.6	99	P	BB		
2-443	E-10	9/14/2011	6	2	LP-068	16	111	21.2	21.2	124.6	102.8	93	F	DW	2-445	P
2-444	E-9	9/14/2011	6	2	LP-068	16	111	18	18	125.3	106.2	96	P	DW		
2-445	E-10	9/14/2011	6	2	LP-068	16	111	17.3	17.3	124.1	105.8	95	P	DW		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 90 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 2 LP Soil Tested to 90% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3430 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 33267

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-001	S-6	5/11/2011	6	2	LP-004	20	103	28	28	121.1	94.6	91	F	BB	3-009	P
3-002	T-6	5/11/2011	6	2	LP-004	20	103	25.9	25.9	122.4	97.2	95	F	BB	3-008	P
3-003	U-6	5/11/2011	6	2	LP-004	20	103	23	23	122.9	99.9	96	P	BB		
3-004	U-7	5/11/2011	6	2	LP-004	20	103	18.8	18.8	122.8	103.3	100	P	BB		
3-005	U-8	5/12/2011	6	2	LP-004	20	103	20.2	20.2	122.2	101.7	98	P	BB		
3-006	T-8	5/12/2011	6	2	LP-004	20	103	21.3	21.3	123.2	101.5	98	P	BB		
3-007	T-7	5/12/2011	6	2	LP-004	20	103	18.9	18.9	123.3	103.7	100	P	BB		
3-008	T-6	5/12/2011	6	2	LP-004	20	103	20.5	20.5	122.2	101.4	98	P	BB		
3-009	S-6	5/12/2011	6	2	LP-004	20	103	21.3	21.3	123.7	102	99	P	BB		
3-010	S-7	5/12/2011	6	2	LP-004	20	103	18.8	18.8	122.1	102.8	99	P	BB		
3-011	S-8	5/12/2011	6	2	LP-004	20	103	20.4	20.4	122.5	101.8	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Sample No	Lab OMC (%)	Lab Max Dry Unit Wt (PCF)	Field MC	Field Correct MC	Field Wet Unit Wt (PCF)	Field Dry Unit Wt (PCF)	Field Percent Compact (%)	Result	QA ID	Retest No	Retest Result
3-012	P-6	6/7/2011	6	2	LP-005	19	104.5	17.8	17.8	127.6	108.3	100	P	BB		
3-013	P-7	6/7/2011	6	2	LP-005	19	104.5	18.5	18.5	126.3	106.6	100	P	BB		
3-014	P-7	6/7/2011	6	2	LP-005	19	104.5	17.2	17.2	120	102.3	98	P	BB		
3-015	Q-7	6/7/2011	6	2	LP-005	19	104.5	17.5	17.5	127.2	108.3	100	P	BB		
3-016	Q-6	6/7/2011	6	2	LP-005	19	104.5	18.7	18.7	126.7	106.8	100	P	BB		
3-017	R-6	6/7/2011	6	2	LP-005	19	104.5	16.1	16.1	125.5	108.1	100	P	BB		
3-018	R-7	6/7/2011	6	2	LP-005	19	104.5	17.9	17.9	125.2	106.1	100	P	BB		
3-019	R-7	6/7/2011	6	2	LP-005	19	104.5	18.4	18.4	125	105.6	100	P	BB		
3-020	Q-7	6/7/2011	6	2	LP-005	19	104.5	19	19	124	104.2	100	P	BB		
3-026	U-8	7/27/2011	6	3	LP-027	22	102	21.8	21.8	120.9	99.2	97	P	BB		
3-027	T-8	7/27/2011	6	3	LP-027	22	102	20.8	20.8	120.9	100.1	98	P	BB		
3-049	R-8	7/27/2011	6	3	LP-027	22	102	21.4	21.4	123.1	101.4	99	P	BB		
3-050	R-8	7/27/2011	6	3	LP-027	22	102	21.8	21.8	124	101.8	100	P	BB		
3-051	Q-8	7/27/2011	6	3	LP-027	22	102	22.1	22.1	123.2	100.9	99	P	BB		
3-052	Q-8	7/27/2011	6	3	LP-027	22	102	22.6	22.6	123.1	100.4	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-053	P-7	7/27/2011	6	3	LP-027	22	102	22.3	22.3	123.5	101	99	P	BB		
3-054	P-6	7/27/2011	6	3	LP-027	22	102	22.8	22.8	124.4	101.3	99	P	BB		
3-057	S-8	7/27/2011	6	3	LP-027	22	102	21.6	21.6	121.7	100.1	98	P	BB		
3-058	P-6	7/27/2011	6	3	LP-027	22	102	21.9	21.9	122.8	100.8	99	P	BB		
3-059	P-7	7/27/2011	6	3	LP-027	22	102	20.7	20.7	122.2	101.3	99	P	BB		
3-062	U-8	7/27/2011	6	4	LP-027	22	102	22.3	22.3	123.7	101.2	99	P	BB		
3-063	T-8	7/27/2011	6	4	LP-027	22	102	21.8	21.8	122.9	100.9	99	P	BB		
3-091	N-7	7/28/2011	6	5	LP-027	22	102	21.7	21.7	121.5	99.9	98	P	BB		
3-092	N-7	7/28/2011	6	5	LP-027	22	102	22.5	22.5	122.9	100.4	98	P	BB		
3-093	N-7	7/28/2011	6	5	LP-027	22	102	21.8	21.8	120.9	99.3	98	P	BB		
3-094	N-8	7/28/2011	6	5	LP-027	22	102	21.2	21.2	119.8	98.8	97	P	BB		
3-095	N-8	7/28/2011	6	5	LP-027	22	102	20.7	20.7	120	99.5	97	P	BB		
3-097	P-8	7/28/2011	6	5	LP-027	22	102	19.8	19.8	120.2	100.4	98	P	BB		
3-098	P-8	7/28/2011	6	5	LP-027	22	102	19.3	19.3	120.3	100.9	99	P	BB		
3-102	O-8	7/28/2011	6	5	LP-027	22	102	20.6	20.6	122.5	101.6	100	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-103	O-8	7/28/2011	6	5	LP-027	22	102	21.1	21.1	122.8	101.4	99	P	BB		
3-104	O-7	7/28/2011	6	5	LP-027	22	102	21.9	21.9	123.3	101.2	99	P	BB		
3-105	O-7	7/28/2011	6	5	LP-027	22	102	22.3	22.3	124	101.4	100	P	BB		
3-108	O-6	7/28/2011	6	5	LP-027	22	102	23.1	23.1	122.8	99.7	98	P	BB		
3-109	N-6	7/28/2011	6	5	LP-027	22	102	22.6	22.6	123.4	100.7	99	P	BB		
3-112	T-8	8/1/2011	6	4	LP-027	22	102	21.9	21.9	121.1	99.3	97	P	BB		
3-113	S-8	8/1/2011	6	3	LP-027	22	102	22.3	22.3	122.4	100.1	98	P	BB		
3-114	Q-8	8/1/2011	6	3	LP-027	22	102	21.5	21.5	121.4	100	98	P	BB		
3-143	S-8	9/14/2011	6	2	LP-027	22	102	21.2	21.2	122.6	101.1	99	P	DW		
3-144	S-8	9/14/2011	6	2	LP-027	22	102	19.8	19.8	118.2	98.7	97	P	DW		
3-145	S-8	9/14/2011	6	2	LP-027	22	102	24.4	24.4	121.7	97.9	96	P	DW		
3-146	S-8	9/14/2011	6	2	LP-027	22	102	22.2	22.2	121.3	99.2	97	P	DW		
3-147	S-8	9/14/2011	6	2	LP-027	22	102	21.9	21.9	121.1	99.3	97	P	DW		
3-148	R-7	9/16/2011	6	2	LP-027	22	102	18.7	18.7	117.3	98.8	97	P	DW		
3-149	R-7	9/16/2011	6	2	LP-027	22	102	21.8	21.8	120.9	99.2	97	P	DW		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 95 **Lift Thickness (Compacted - Loose):** 6 - **Moisture Range:** -3 - 3

Soil Type: 3 LP Soil-Black Creek **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-150	R-6	9/16/2011	6	2	LP-027	22	102	21.4	21.4	123.1	101.4	99	P	DW		
3-151	S-6	9/16/2011	6	2	LP-027	22	102	22.6	22.6	123.1	100.4	98	P	DW		
3-152	S-7	9/16/2011	6	2	LP-027	22	102	22	22	122.9	100.8	99	P	DW		
3-153	S-7	9/16/2011	6	2	LP-027	22	102	19.5	19.5	117.9	98.7	97	P	DW		
3-154	T-7	9/16/2011	6	2	LP-027	22	102	20.1	20.1	119.1	99.2	97	P	DW		
3-155	T-7	9/16/2011	6	2	LP-027	22	102	19	19	119	100	98	P	DW		
3-156	T-7	9/16/2011	6	2	LP-027	22	102	21.4	21.4	122.2	100.7	99	P	DW		
3-157	T-6	9/16/2011	6	2	LP-027	22	102	21.9	21.9	121.1	99.3	97	P	DW		
3-167	K-7	9/21/2011	6	5	LP-069	17.5	107	18.2	18.2	121.5	102.8	96	P	BB		
3-168	K-7	9/21/2011	6	5	LP-069	17.5	107	18.6	18.6	122.2	103	96	P	BB		
3-169	K-6	9/21/2011	6	5	LP-069	17.5	107	17.8	17.8	122.5	104	97	P	BB		
3-170	J-6	9/21/2011	6	5	LP-069	17.5	107	18.4	18.4	124.5	105.2	98	P	BB		
3-171	J-7	9/21/2011	6	5	LP-069	17.5	107	18.3	18.3	131.2	110.9	100	P	BB		
3-172	J-7	9/21/2011	6	5	LP-069	17.5	107	18.5	18.5	125.5	105.9	99	P	BB		
3-173	J-7	9/21/2011	6	5	LP-069	17.5	107	18.1	18.1	126.2	106.8	100	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-174	K-8	9/21/2011	6	5	LP-069	17.5	107	19	19	124	104.2	97	P	BB		
3-175	K-8	9/21/2011	6	5	LP-069	17.5	107	18.8	18.8	124.7	104.9	98	P	BB		
3-176	K-8	9/21/2011	6	5	LP-069	17.5	107	17.8	17.8	124.8	105.9	99	P	BB		
3-187	H-7	10/6/2011	6	3	LP-027	22	102	20	20	129.7	108	100	P	BB		
3-207	E-8	10/6/2011	6	3	LP-069	17.5	107	19.1	19.1	123.7	103.9	97	P	BB		
3-208	E-7	10/6/2011	6	3	LP-069	17.5	107	18.8	18.8	124.8	105.1	98	P	BB		
3-209	F-6	10/6/2011	6	3	LP-069	17.5	107	19.6	19.6	123.1	102.9	96	P	BB		
3-210	F-6	10/6/2011	6	3	LP-069	17.5	107	19.8	19.8	124.6	104	97	P	BB		
3-212	F-7	10/6/2011	6	3	LP-069	17.5	107	20	20	124.9	104.1	97	P	BB		
3-213	F-7	10/6/2011	6	3	LP-069	17.5	107	19.4	19.4	125.7	105.2	98	P	BB		
3-214	F-8	10/6/2011	6	3	LP-069	17.5	107	19.9	19.9	124.4	103.8	97	P	BB		
3-215	F-8	10/6/2011	6	3	LP-069	17.5	107	19.7	19.7	124.8	104.3	97	P	BB		
3-216	F-8	10/6/2011	6	3	LP-069	17.5	107	20.2	20.2	123.7	102.9	96	P	BB		
3-217	G-8	10/6/2011	6	3	LP-069	17.5	107	18.9	18.9	123.9	104.2	97	P	BB		
3-218	G-8	10/6/2011	6	3	LP-069	17.5	107	19.3	19.3	122.7	102.8	96	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 95 **Lift Thickness (Compacted - Loose):** 6 - **Moisture Range:** -3 - 3

Soil Type: 3 LP Soil-Black Creek **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field					Result	QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)				
3-219	H-8	10/6/2011	6	3	LP-069	17.5	107	19.6	19.6	123.2	103	96	P	BB		
3-220	H-8	10/6/2011	6	3	LP-069	17.5	107	20.4	20.4	123	102.2	95	P	BB		
3-225	F-7	10/6/2011	6	3	LP-027	22	102	20.3	20.3	120.3	100	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC* (%)	*Max Dry Unit Wt* (PCF)	*Field MC*	*Correct MC*	*Wet Unit Wt* (PCF)	*Dry Unit Wt* (PCF)	*Percent Compact* (%)	*Result*			
3-021	U-10	7/27/2011	6	3	LP-068	16	111	15.8	15.8	127.1	109.8	99	P	BB		
3-022	U-10	7/27/2011	6	3	LP-068	16	111	15.4	15.4	127.1	110.1	99	P	BB		
3-023	U-9	7/27/2011	6	3	LP-068	16	111	17.9	17.9	131.7	111.7	100	P	BB		
3-024	U-9	7/27/2011	6	3	LP-068	16	111	15.7	15.7	127.8	110.4	100	P	BB		
3-025	U-9	7/27/2011	6	3	LP-068	16	111	16.2	16.2	126.9	109.2	98	P	BB		
3-028	R-12	7/27/2011	6	3	LP-028	19.5	107.5	18.7	18.7	124.3	104.7	97	P	BB		
3-029	R-12	7/27/2011	6	3	LP-028	19.5	107.5	18.9	18.9	126.3	106.2	99	P	BB		
3-030	R-12	7/27/2011	6	3	LP-028	19.5	107.5	18.5	18.5	126.2	106.5	99	P	BB		
3-031	Q-12	7/27/2011	6	3	LP-028	19.5	107.5	19.4	19.4	126	105.6	98	P	BB		
3-032	Q-12	7/27/2011	6	3	LP-028	19.5	107.5	19.9	19.9	127.2	106.1	99	P	BB		
3-033	P-12	7/27/2011	6	3	LP-028	19.5	107.5	20.2	20.2	128.3	106.7	99	P	BB		
3-034	P-12	7/27/2011	6	3	LP-028	19.5	107.5	19.6	19.6	128.4	107.4	100	P	BB		
3-035	T-10	7/27/2011	6	3	LP-028	19.5	107.5	18.7	18.7	123.6	104.2	97	P	BB		
3-036	T-10	7/27/2011	6	3	LP-028	19.5	107.5	18.7	18.7	124.4	104.8	98	P	BB		
3-037	S-10	7/27/2011	6	3	LP-028	19.5	107.5	19.8	19.8	125.9	105.1	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-038	S-10	7/27/2011	6	3	LP-028	19.5	107.5	19.5	19.5	126.3	105.7	98	P	BB		
3-039	S-10	7/27/2011	6	3	LP-028	19.5	107.5	20.1	20.1	127.3	106	99	P	BB		
3-040	R-11	7/27/2011	6	3	LP-028	19.5	107.5	18.9	18.9	125.1	105.2	98	P	BB		
3-041	R-11	7/27/2011	6	3	LP-028	19.5	107.5	19.4	19.4	125.8	105.4	98	P	BB		
3-042	R-11	7/27/2011	6	3	LP-028	19.5	107.5	19.7	19.7	127	106.1	99	P	BB		
3-043	Q-10	7/27/2011	6	3	LP-028	19.5	107.5	20.2	20.2	128.7	107.1	100	P	BB		
3-044	Q-10	7/27/2011	6	3	LP-028	19.5	107.5	20.7	20.7	129.6	107.4	100	P	BB		
3-045	S-9	7/27/2011	6	3	LP-068	16	111	18.1	18.1	127.5	108	97	P	BB		
3-046	S-9	7/27/2011	6	3	LP-068	16	111	17.8	17.8	126.7	107.6	97	P	BB		
3-047	R-9	7/27/2011	6	3	LP-068	16	111	17	17	127	108.6	98	P	BB		
3-048	R-9	7/27/2011	6	3	LP-068	16	111	17.4	17.4	128	109	98	P	BB		
3-055	P-10	7/27/2011	6	3	LP-028	19.5	107.5	18.7	18.7	124.5	104.9	98	P	BB		
3-056	P-10	7/27/2011	6	3	LP-028	19.5	107.5	19.2	19.2	124.2	104.2	97	P	BB		
3-060	O-12	7/27/2011	6	3	LP-068	16	111	17.7	17.7	125.7	106.8	96	P	BB		
3-061	O-12	7/27/2011	6	3	LP-068	16	111	17.9	17.9	126.9	107.7	97	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-064	T-9	7/27/2011	6	4	LP-068	16	111	17.5	17.5	125.9	107.1	97	P	BB		
3-065	T-9	7/27/2011	6	4	LP-068	16	111	17.8	17.8	127	107.8	97	P	BB		
3-066	T-11	7/27/2011	6	4	LP-028	19.5	107.5	18.9	18.9	125.4	105.5	98	P	BB		
3-067	U-11	7/27/2011	6	4	LP-028	19.5	107.5	19.1	19.1	126	105.8	98	P	BB		
3-068	U-11	7/27/2011	6	4	LP-028	19.5	107.5	19.7	19.7	125.1	104.5	97	P	BB		
3-069	T-11	7/27/2011	6	4	LP-028	19.5	107.5	19.9	19.9	124.9	104.2	97	P	BB		
3-070	S-11	7/27/2011	6	4	LP-028	19.5	107.5	19.3	19.3	125.3	105	98	P	BB		
3-071	S-11	7/27/2011	6	4	LP-028	19.5	107.5	20.6	20.6	127.9	106.1	99	P	BB		
3-072	S-12	7/27/2011	6	4	LP-068	16	111	18.6	18.6	130.5	110	99	P	BB		
3-073	S-12	7/27/2011	6	4	LP-068	16	111	17.9	17.9	129.3	109.7	99	P	BB		
3-074	R-10	7/27/2011	6	4	LP-068	16	111	18.2	18.2	130.4	110.3	99	P	BB		
3-075	T-11	7/27/2011	6	5	LP-068	16	111	18	18	130.5	110.6	99	P	BB		
3-076	U-11	7/27/2011	6	5	LP-068	16	111	17.8	17.8	128	108.7	98	P	BB		
3-077	U-11	7/27/2011	6	5	LP-068	16	111	17.3	17.3	128.2	109.3	99	P	BB		
3-078	T-11	7/27/2011	6	5	LP-068	16	111	18.1	18.1	128.7	109	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-079	U-12	7/27/2011	6	5	LP-068	16	111	17.9	17.9	129.9	110.2	99	P	BB		
3-080	U-12	7/27/2011	6	5	LP-068	16	111	17.2	17.2	128.7	109.8	99	P	BB		
3-081	T-12	7/27/2011	6	5	LP-068	16	111	16.9	16.9	126.9	108.6	98	P	BB		
3-082	T-12	7/27/2011	6	5	LP-068	16	111	16.5	16.5	125.9	108.1	97	P	BB		
3-083	T-12	7/27/2011	6	5	LP-068	16	111	17.1	17.1	127.5	108.9	98	P	BB		
3-084	R-9	7/28/2011	6	3	LP-028	19.5	107.5	18.7	18.7	129.5	109.1	100	P	BB		
3-085	Q-11	7/28/2011	6	4	LP-028	19.5	107.5	18.2	18.2	126.2	106.7	99	P	BB		
3-086	Q-11	7/28/2011	6	4	LP-028	19.5	107.5	17.4	17.4	125.9	107.3	100	P	BB		
3-087	P-11	7/28/2011	6	4	LP-028	19.5	107.5	18.5	18.5	128.7	108.6	100	P	BB		
3-088	P-11	7/28/2011	6	4	LP-028	19.5	107.5	17.8	17.8	126	107	100	P	BB		
3-089	P-11	7/28/2011	6	4	LP-028	19.5	107.5	18.9	18.9	127.4	107.2	100	P	BB		
3-090	O-12	7/28/2011	6	3	LP-068	16	111	18.1	18.1	129.4	109.6	99	P	BB		
3-096	N-9	7/28/2011	6	5	LP-068	16	111	18.5	18.5	126.3	106.6	96	P	BB		
3-099	P-9	7/28/2011	6	5	LP-028	19.5	107.5	20.1	20.1	128.7	107.2	100	P	BB		
3-100	P-8	7/28/2011	6	5	LP-028	19.5	107.5	19.7	19.7	126.5	105.7	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 95 **Lift Thickness (Compacted - Loose):** 6 - **Moisture Range:** -3 - 3

Soil Type: 4 LP Soil-Marcellus **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-101	O-9	7/28/2011	6	5	LP-028	19.5	107.5	20	20	126.3	105.2	98	P	BB		
3-106	O-9	7/28/2011	6	5	LP-028	19.5	107.5	19.7	19.7	127.1	106.2	99	P	BB		
3-107	N-10	7/28/2011	6	4	LP-068	16	111	17.3	17.3	129.1	110.1	99	P	BB		
3-110	O-9	7/28/2011	6	4	LP-068	16	111	18.3	18.3	128.5	108.7	98	P	BB		
3-111	O-9	7/28/2011	6	4	LP-068	16	111	17.9	17.9	129	109.4	99	P	BB		
3-115	P-8	8/2/201	6	5	LP-028	19.5	107.5	19.2	19.2	123.8	103.8	97	P	BB		
3-116	N-9	8/2/2011	6	5	LP-028	19.5	107.5	19.7	19.7	125.1	104.5	97	P	BB		
3-117	M-11	8/2/2011	6	3	LP-028	19.5	107.5	18.8	18.8	126.3	106.3	99	P	BB		
3-118	U-12	9/2/2011	6	2	LP-068	16	111	17.5	17.5	128.3	109.2	98	P	BB		
3-119	U-11	9/2/2011	6	2	LP-068	16	111	17.9	17.9	128.3	108.8	98	P	BB		
3-120	U-10	9/2/2011	6	2	LP-068	16	111	16.8	16.8	128.9	110.3	99	P	BB		
3-121	U-8	9/2/2011	6	2	LP-068	16	111	17.2	17.2	126.6	108	97	P	BB		
3-122	U-7	9/2/2011	6	2	LP-068	16	111	16.9	16.9	128.7	110.1	99	P	BB		
3-123	M-12	9/13/2011	6	4	LP-068	16	111	16.6	16.6	125.1	107.3	97	P	DW		
3-124	M-12	9/13/2011	6	4	LP-068	16	111	16.4	16.4	124.5	107	96	P	DW		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-125	M-11	9/13/2011	6	4	LP-068	16	111	15.7	15.7	123.8	107	96	P	DW		
3-126	M-11	9/13/2011	6	4	LP-068	16	111	17	17	124.4	106.3	96	P	DW		
3-127	M-11	9/13/2011	6	4	LP-068	16	111	17.9	17.9	131.7	111.7	100	P	DW		
3-128	M-10	9/13/2011	6	5	LP-068	16	111	19	19	127.7	107.3	97	P	DW		
3-129	M-10	9/13/2011	6	5	LP-068	16	111	18.6	18.6	129.3	109	98	P	DW		
3-130	M-9	9/13/2011	6	5	LP-068	16	111	16.9	16.9	125.7	107.5	97	P	DW		
3-131	M-9	9/13/2011	6	5	LP-068	16	111	16.4	16.4	127.3	109.3	98	P	DW		
3-132	M-8	9/13/2011	6	5	LP-068	16	111	17.5	17.5	126.8	107.9	97	P	DW		
3-133	M-8	9/13/2011	6	5	LP-068	16	111	15.9	15.9	123.9	106.9	96	P	DW		
3-134	M-7	9/13/2011	6	5	LP-068	16	111	18.3	18.3	128.8	108.9	98	P	DW		
3-135	M-7	9/13/2011	6	5	LP-068	16	111	17.7	17.7	125.9	107	96	P	DW		
3-136	M-7	9/13/2011	6	5	LP-068	16	111	19.2	19.2	127.9	107.3	97	P	DW		
3-137	M-6	9/13/2011	6	5	LP-068	16	111	16.3	16.3	126.3	108.6	98	P	DW		
3-138	L-6	9/13/2011	6	5	LP-068	16	111	14.3	14.3	122.2	106.9	96	P	DW		
3-139	L-7	9/13/2011	6	5	LP-068	16	111	16.9	16.9	132.3	113.2	100	P	DW		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 95 **Lift Thickness (Compacted - Loose):** 6 - **Moisture Range:** -3 - 3

Soil Type: 4 LP Soil-Marcellus **Guage Type:** Troxler 3440 **Correction Factor:** NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha **Guage Serial No:** 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-140	L-7	9/13/2011	6	5	LP-068	16	111	18.5	18.5	126.6	106.8	96	P	DW		
3-141	V-6	9/13/2011	6	3	LP-068	16	111	14.5	14.5	123.4	107.8	97	P	DW		
3-142	V-5	9/13/2011	6	3	LP-068	16	111	15.7	15.7	123.6	106.9	96	P	DW		
3-158	L-11	9/21/2011	6	5	LP-068	16	111	17.3	17.3	128.1	109.2	98	P	BB		
3-159	L-11	9/21/2011	6	5	LP-068	16	111	16.9	16.9	126.4	108.1	97	P	BB		
3-160	L-10	9/21/2011	6	5	LP-068	16	111	18.1	18.1	127.3	107.8	97	P	BB		
3-161	L-10	9/21/2011	6	5	LP-068	16	111	17.9	17.9	130.1	110.3	99	P	BB		
3-162	L-9	9/21/2011	6	5	LP-068	16	111	16.8	16.8	127.6	109.2	98	P	BB		
3-163	L-9	9/21/2011	6	5	LP-068	16	111	16.4	16.4	128.1	110	99	P	BB		
3-164	L-9	9/21/2011	6	5	LP-068	16	111	16.9	16.9	128.9	110.2	99	P	BB		
3-165	L-8	9/21/2011	6	5	LP-068	16	111	17.9	17.9	128.5	109	98	P	BB		
3-166	L-8	9/21/2011	6	5	LP-068	16	111	17.4	17.4	128.2	109.2	98	P	BB		
3-177	K-9	9/21/2011	6	5	LP-068	16	111	16.9	16.9	129.6	110.8	100	P	BB		
3-178	K-9	9/21/2011	6	5	LP-068	16	111	17.6	17.6	128.6	109.3	98	P	BB		
3-179	K-10	9/21/2011	6	5	LP-068	16	111	17.1	17.1	127.8	109.1	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-180	K-10	9/21/2011	6	5	LP-068	16	111	17.9	17.9	127.3	108	97	P	BB		
3-181	K-11	9/21/2011	6	5	LP-068	16	111	13.9	13.9	126.3	110.9	100	P	BB		
3-182	K-11	9/21/2011	6	5	LP-068	16	111	14.2	14.2	126.4	110.7	100	P	BB		
3-183	K-11	9/21/2011	6	5	LP-068	16	111	15.1	15.1	127.2	110.5	100	P	BB		
3-184	K-12	9/21/2011	6	3	LP-068	16	111	14.8	14.8	124.9	108.8	98	P	BB		
3-185	I-10	10/6/2011	6	3	LP-068	16	111	14.6	14.6	127.1	110.9	100	P	BB		
3-186	I-8	10/6/2011	6	3	LP-068	16	111	15.1	15.1	127.3	110.5	100	P	BB		
3-188	G-12	10/6/2011	6	3	LP-068	16	111	18.3	18.3	130.5	110.3	99	P	BB		
3-189	G-12	10/6/2011	6	3	LP-068	16	111	18	18	128.5	108.9	98	P	BB		
3-190	G-12	10/6/2011	6	3	LP-068	16	111	17.9	17.9	128.5	109	98	P	BB		
3-191	G-11	10/6/2011	6	3	LP-068	16	111	16.7	16.7	127.6	109.3	98	P	BB		
3-192	G-9	10/6/2011	6	3	LP-068	16	111	15.9	15.9	126.1	108.8	98	P	BB		
3-193	G-9	10/6/2011	6	3	LP-068	16	111	16.2	16.2	128.6	110.7	100	P	BB		
3-194	G-10	10/6/2011	6	3	LP-068	16	111	15.8	15.8	128	110.6	100	P	BB		
3-195	G-10	10/6/2011	6	3	LP-068	16	111	15.1	15.1	127.1	110.4	100	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-196	F-12	10/6/2011	6	3	LP-068	16	111	17.3	17.3	126.6	107.9	97	P	BB		
3-197	F-11	10/6/2011	6	3	LP-068	16	111	17.6	17.6	127.1	108.1	97	P	BB		
3-198	F-11	10/6/2011	6	3	LP-068	16	111	17.9	17.9	126	106.9	96	P	BB		
3-199	F-10	10/6/2011	6	3	LP-068	16	111	16.9	16.9	128.7	110.1	99	P	BB		
3-200	F-9	10/6/2011	6	3	LP-068	16	111	16.4	16.4	128.4	110.3	99	P	BB		
3-201	E-12	10/6/2011	6	3	LP-068	16	111	16.2	16.2	127.8	110	99	P	BB		
3-202	G-11	10/6/2011	6	3	LP-068	16	111	15.7	15.7	127.1	109.9	99	P	BB		
3-203	E-11	10/6/2011	6	3	LP-068	16	111	17.4	17.4	127.1	108.2	97	P	BB		
3-204	E-10	10/6/2011	6	3	LP-068	16	111	18.3	18.3	126.3	106.8	96	P	BB		
3-205	E-9	10/6/2011	6	3	LP-068	16	111	18	18	126.3	107	96	P	BB		
3-206	F-9	10/6/2011	6	3	LP-068	16	111	17.9	17.9	128.6	109.1	98	P	BB		
3-211	F-12	10/6/2011	6	3	LP-068	16	111	14.2	14.2	126.6	110.8	100	P	BB		
3-221	G-9	10/6/2011	6	3	LP-068	16	111	16.7	16.7	128.4	110	99	P	BB		
3-222	F-11	10/6/2011	6	3	LP-068	16	111	17.9	17.9	127.2	107.9	97	P	BB		
3-223	E-9	10/6/2011	6	3	LP-068	16	111	17.1	17.1	127.6	109	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 4 LP Soil-Marcellus *Guage Type:* Troxler 3440 *Correction Factor:* NONE

Series: 3 LP Soil Tested to 95% Compaction - Pha *Guage Serial No:* 28800

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
3-224	F-10	10/6/2011	6	3	LP-068	16	111	16.4	16.4	127.9	109.9	99	P	BB		
3-226	H-8	10/10/2011	6	3	LP-068	16	111	18.1	18.1	127.4	107.9	97	P	BB		
3-227	H-8	10/10/2011	6	2	LP-068	16	111	18.5	18.5	128.1	108.1	97	P	BB		
3-228	H-8	10/10/2011	6	2	LP-068	16	111	18	18	128.7	109.1	98	P	BB		
3-229	G-8	10/10/2011	6	2	LP-068	16	111	18.7	18.7	126.7	106.7	96	P	BB		
3-230	H-8	10/10/2011	6	2	LP-068	16	111	17.8	17.8	130.1	110.4	99	P	BB		
3-231	E-7	10/10/2011	6	2	LP-068	16	111	17.5	17.5	129.5	110.2	99	P	BB		
3-232	E-8	10/10/2011	6	2	LP-068	16	111	16.9	16.9	127.3	108.9	98	P	BB		
3-233	E-9	10/10/2011	6	2	LP-068	16	111	16.7	16.7	127.3	109.1	98	P	BB		
3-234	E-10	10/10/2011	6	2	LP-068	16	111	17.7	17.7	125.9	107	96	P	BB		
3-235	E-10	10/10/2011	6	2	LP-068	16	111	17.1	17.1	125.2	106.9	96	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 **Percent Compaction:** 95 **Lift Thickness (Compacted - Loose):** 6 - **Moisture Range:** -3 - 3

Soil Type: 3 LP Soil-Black Creek **Guage Type:** Troxler 3430 **Correction Factor:** NONE

Series: 4 LP Soil for Test Pad Area **Guage Serial No:** 33267

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
4-001	T-7	5/9/201	6	1	LP-004	20	103	22.7	22.7	124.1	101.1	98	P	BB		
4-002	U-7	5/9/201	6	1	LP-004	20	103	21.1	21.1	124.4	102.7	99	P	BB		
4-003	S-6	5/10/2011	6	1	LP-004	20	103	18.8	18.8	122.9	103.4	100	P	BB		
4-004	S-6	5/10/2011	6	1	LP-004	20	103	22.8	22.8	121.7	99.1	96	P	BB		
4-005	S-7	5/10/2011	6	1	LP-004	20	103	20.8	20.8	122.7	101.6	98	P	BB		
4-006	S-7	5/10/2011	6	1	LP-004	20	103	21.2	21.2	122.2	100.8	97	P	BB		
4-007	S-8	5/10/2011	6	1	LP-004	20	103	20.9	20.9	122	100.9	97	P	BB		
4-008	S-8	5/10/2011	6	1	LP-004	20	103	22.5	22.5	122.3	99.9	96	P	BB		
4-009	T-8	5/10/2011	6	1	LP-004	20	103	21.5	21.5	122.6	100.9	97	P	BB		
4-010	T-8	5/10/2011	6	1	LP-004	20	103	20.9	20.9	121.7	100.6	97	P	BB		
4-011	T-7	5/10/2011	6	1	LP-004	20	103	21.9	21.9	122.9	100.8	98	P	BB		
4-012	T-6	5/10/2011	6	1	LP-004	20	103	20.9	20.9	119.9	99.2	96	P	BB		
4-013	T-6	5/10/2011	6	1	LP-004	20	103	22.5	22.5	121.9	99.5	97	P	BB		
4-014	U-6	5/10/2011	6	1	LP-004	20	103	21	21	123.6	102.2	99	P	BB		
4-015	U-6	5/10/2011	6	1	LP-004	20	103	19.9	19.9	123	102.6	99	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek
Series: 4 LP Soil for Test Pad Area

Guage Type: Troxler 3430
Guage Serial No: 33267

Correction Factor: NONE

ID	Location	Date	Probe Depth	Lift No.	Lab			Field						QA ID	Retest No	Retest Result
					Sample No	OMC (%)	Max Dry Unit Wt (PCF)	Field MC	Correct MC	Wet Unit Wt (PCF)	Dry Unit Wt (PCF)	Percent Compact (%)	Result			
4-016	U-7	5/10/2011	6	1	LP-004	20	103	22	22	123.2	100.9	97	P	BB		
4-017	U-8	5/10/2011	6	1	LP-004	20	103	21.9	21.9	122.2	100.2	97	P	BB		
4-018	U-8	5/10/2011	6	1	LP-004	20	103	20.5	20.5	122.5	101.6	98	P	BB		

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Field Nuclear Moisture/Density Test Log

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Proctor Type: ASTM D 698 *Percent Compaction:* 95 *Lift Thickness (Compacted - Loose):* 6 - *Moisture Range:* -3 - 3

Soil Type: 3 LP Soil-Black Creek *Guage Type:* Troxler 3430 *Correction Factor:* NONE

Series: 4 LP Soil for Test Pad Area *Guage Serial No:* 33267

ID	*Location*	*Date*	*Probe Depth*	*Lift No.*	*Lab*			*Field*						*QA ID*	*Retest No*	*Retest Result*
					Sample No	*OMC* (%)	*Max Dry Unit Wt* (PCF)	*Field MC*	*Correct MC*	*Wet Unit Wt* (PCF)	*Dry Unit Wt* (PCF)	*Percent Compact* (%)	*Result*			

Drive Cylinder

Geosyntec consultants

DRIVE CYLINDER (DC) AND FIELD DENSITY TEST (FDT) COMPARISON

PROJECT:	Onondaga Lake Sediment Consolidation Area (SCA)	PROJECT NO.:	GJ4706A	TASK NO.:	07
LOCATION:	Camillus, New York	DATE:	N/A day	N/A month	2011 year
SOURCE:	Low Permeability Soil	TROXLER SERNO:	28800	TROXLER ID:	2

A Drive Cyl. Number	B Drive Cyl. Wet Density (pcf)	C Drive Cyl. Moisture (%)	D Drive Cyl. Dry Density (pcf)	E FDT Wet Density (pcf)	F FDT Moisture (%)	G FDT Dry Density (pcf)	H Wet Density Variation (pcf)	I Moisture Variation (%)	J Dry Density Variation (pcf)
LPDC-01	123.3	23.3	100	124.1	22.7	101.1	-0.8	0.6	-1.1
LPDC-02	118.9	26.1	94.3	122.5	20.4	101.8	-3.6	5.7	-7.5
LPDC-03	128.4	20.0	107	127.2	17.5	108.3	1.2	2.5	-1.3
LPDC-04	126.5	19.3	106	131.7	17.9	111.7	-5.2	1.4	-5.7
LPDC-05	128.6	19.1	108	126.3	18.9	106.2	2.3	0.2	1.8
LPDC-06	125.6	21.9	103	130.4	18.2	110.3	-4.8	3.7	-7.3
LPDC-07	128.3	18.8	108	130.5	18	110.6	-2.2	0.8	-2.6
LPDC-08	129.2	19.6	108	129.5	18.7	109.1	-0.3	0.9	-1.1
LPDC-09	130.3	19.5	109	128.7	18.5	108.6	1.6	1.0	0.4
LPDC-10	130.4	18.5	110	129.4	18.1	109.6	0.9	0.4	0.4
LPDC-11	123.4	21.0	102	120.3	19.3	100.9	3.1	1.7	1.1
LPDC-12	127.1	23.4	103	124	22.3	101.4	3.1	1.1	1.6
LPDC-13	129.6	20.0	108	127.1	19.7	110.1	2.5	0.3	-2.1
LPDC-14	128.4	18.9	108	129.1	17.3	110.1	-0.7	1.6	-2.1
LPDC-15	122.2	22.2	100	124.4	17	106.3	-2.2	5.2	-6.3
LPDC-16	121.6	26.3	96.3	125.7	16.9	107.5	-4.1	9.4	-11.2
LPDC-17	125.1	20.3	104	131.2	18.3	110.9	-6.1	2.0	-6.9
LPDC-18	126.0	20.0	105	124.8	17.8	105.9	1.2	2.2	-0.9
LPDC-19	135.0	21.6	111	126.3	13.9	110.9	8.7	7.7	0.1
LPDC-20	128.6	21.3	106	124.9	14.8	108.8	3.7	6.5	-2.8
LPDC-21	125.2	19.2	105	127.1	14.6	110.9	-1.9	4.6	-5.9
LPDC-22	125.0	20.2	104	127.3	15.1	110.5	-2.3	5.1	-6.5
LPDC-23	125.9	18.8	106	129.7	20	108	-3.8	-1.2	-2.0
LPDC-24	127.0	19.8	106	126.1	15.9	108.8	0.9	3.9	-2.8
LPDC-25	134.4	20.0	112	127.1	15.7	109.9	7.3	4.3	2.1
LPDC-26	128.1	17.5	109	126.6	14.2	110.8	1.5	3.3	-1.8
LPDC-27	128.3	19.9	107	127.9	16.4	109.9	0.4	3.5	-2.9
LPDC-28	127.2	20.0	106	120.3	20.3	100	6.9	-0.3	6.0

Prepared for:

Honeywell International Inc.
301 Plainfield Road, Suite 330
Syracuse, New York 13212

and

Parsons Corporation
301 Plainfield Road, Suite 350
Syracuse, New York 13212

CONSTRUCTION QUALITY ASSURANCE (CQA) FINAL REPORT

PHASE I - SEDIMENT CONSOLIDATION AREA ONONDAGA LAKE BOTTOM

Onondaga County,
Town of Camillus, New York

Volume II of II

Prepared by:

Geosyntec consultants

engineers | scientists | innovators

289 Great Road, Suite 105
Acton, Massachusetts 01720

1255 Roberts Blvd., Suite 200
Kennesaw, GA 30144

Project Number: GJ4706B

May 2012 (Revision 0)
August 2012 (Revision 3)

Prepared for:

Honeywell International Inc.
301 Plainfield Road, Suite 330
Syracuse, New York 13212

and

Parsons Corporation
301 Plainfield Road, Suite 350
Syracuse, New York 13212

CONSTRUCTION QUALITY ASSURANCE (CQA) FINAL REPORT

PHASE I - SEDIMENT CONSOLIDATION AREA ONONDAGA LAKE BOTTOM

Onondaga County, Town of Camillus, New York

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Project Number: GJ4706B

May 2012 (Revision 0)
August 2012 (Revision 3)

Prepared for

Honeywell International Inc.
301 Plainfield Road, Suite 330
Syracuse, New York 13212

Parsons Corporation
301 Plainfield Road, Suite 350
Syracuse, New York 13212

ONONDAGA LAKE BOTTOM
PHASE I – SEDIMENT CONSOLIDATION AREA CONSTRUCTION
CONSTRUCTION QUALITY ASSURANCE (COA)
FINAL REPORT – Volume II
ONONDAGA COUNTY
TOWN OF CAMILLUS, NEW YORK

Prepared by

Geosyntec consultants

engineers | scientists | innovators

289 Great Road
Acton, Massachusetts 01720

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GJ4706B

May 2012 (Revision 0)
August 2012 (Revision 3)

APPENDIX F

Manufacturer's Quality Control Documentation

- Geosynthetic Clay Liner
- Geomembrane (60-mil and 100-mil)
- Geotextile
- Sump Manhole / Pipe

Geosynthetic Clay Liner

Geosyntec
consultants

Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gcl : 1 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GSE BentoLiner NSL

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
Accepted Rolls												
10/1/2011	502169176	15.5	150	DWH					10/1/2011	10/1/2011	P	DB
10/1/2011	502169177	15.5	150	DWH					10/1/2011	10/1/2011	P	DB
5/26/2011	502182227	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182228	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182229	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182230	15.5	150	BB	6/1/2011	GC-01	P	DB	10/1/2011	10/1/2011	P	DB
5/26/2011	502182231	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182232	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182233	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182234	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182235	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182236	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182237	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182238	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182239	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182240	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182241	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182242	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182243	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182244	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182245	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182246	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182247	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182248	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182249	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182250	15.5	150	BB					10/1/2011	10/1/2011	P	DB
5/26/2011	502182251	15.5	150	BB					10/1/2011	10/1/2011	P	DB
11/15/2011	502184375	15.5	150	DWH					11/1/2011	1/13/2012	p	GMF
11/15/2011	502184396	15.5	150	DWH					11/1/2011	1/13/2012	p	GMF

Geosyntec
consultants

Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gcl : 1 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GSE BentoLiner NSL

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***

Average Roll Width(ft.): 16 ***Average Roll Length(ft.): 150***

Total Number of Rolls: 29 ***Cumulative Area(sq.ft.): 67425***

Total Number of Conformance Tests: 1

Comments:

GSE Lining Technology, LLC

19103 Gundle Road
Houston, TX 77073
800 435 2008 • 281 443 8564
281 230 8650 Fax
gseworld.com

July 26, 2011

Carl Burdick
CHENANGO Contracting, Inc.
29 Arbutus Road
Johnson City, NY 13790

RE: Honeywell SCA: GSE BentoLiner® NSL GCL – Geotextile Composition

Certification of Compliance

The undersigned, being qualified and authorized to do so, hereby certifies that the geotextile component of GSE BentoLiner® NSL GCL is composed of ≥ 95% polyester or polypropylene.

Sincerely,

Miguel Garcia
GSE Technical Support
mgarcia@gseworld.com

cc: Patty Beaubien, GSE Lining Technology, LLC.

RECEIVED
AUG - 9 2011
PARSONS

RECEIVED
JUL - 5 2011
Shana
PARSONS

GSE BentoLiner®

3150 1st Ave
Spearfish, SD 57783

TEL: 605-642-8531
FAX: 605-642-8539

BentoLiner® MANUFACTURING CERTIFICATION

CUSTOMER: Chenango Contracting
PROJECT: Honeywell SCA
ORDER NO.: SO 64401

SHIP DATE:
 # ROLLS: 25
PRODUCT TYPE: BentoLiner NSL

GSE Bentoliner® hereby certifies that the GSE BentoLiner® Geosynthetic Clay Liner purchased and shipped for the above referenced project does meet or exceed GSE BentoLiner's® specifications .

The GSE BentoLiner® product has been continuously inspected for the presence of needles and is certified to be needle free.

BENTONITE testing was performed as follows:

Swell Index	ASTM D5890	1/60,000 lb
Moisture Content	ASTM D4643	1/45,000 ft²
Fluid Loss	ASTM D5891	1/60,000 lb

GEOTEXTILE PROPERTIES

Top/Cap Mass (oz/yd²)	ASTM D5261	1/200,000 ft²
Bottom Mass (oz/yd²)	ASTM D5261	1/200,000 ft²

GEOSYNTHETIC CLAY LINER testing on the finished product was performed as follows:

Bentonite Mass Per Unit Area	ASTM D5993	1/40,000 ft²
Grab Tensile/Elongation	ASTM D4632	1/40,000 ft²
Tensile Strength	ASTM D6768	1/40,000 ft²
Peel Strength	ASTM D4632 Mod.	1/40,000 ft²
Peel Strength	ASTM D6496	1/40,000 ft²
Hydraulic Conductivity	ASTM D5887	Weekly
**certified to meet the required specification of < 5E-9 cm/sec*		
Index Flux	ASTM D5887	Weekly
**certified to meet the required specification of < 1E-8 m³/m²/sec*		
Internal Shear	ASTM D6243	Periodically
**hydrated 24 hours and sheared under 200 psf normal stress is certified to be 500 psf*		

The LOT and ROLL numbers for this shipment are as follows:

LOT# 21052003

ROLL # 502182227 - 502182251

Chuck Taylor
Lab Technician

Date: 6-24-11

GARY D. WEAVER
Notary Public, State of Texas
My Commission Expires 08-16-2014

Geosynthetic Clay Liner Traceability

Order: SO - 64401
Customer: Chenango Contracting
Project Name: Honeywell SCA

Serial number	Roll length	Item number	Top Geo	Bottom Geo	Clay serial	Manufacturing date	Roll width
502182227	150.00	BLI-075-06N-03S-D-00	130397070	2021488912	1831058	5/20/2011	15.50
502182228	150.00	BLI-075-06N-03S-D-00	130397070	2021488278	1831058	5/20/2011	15.50
502182229	150.00	BLI-075-06N-03S-D-00	130397070	2021488278	1831058	5/20/2011	15.50
502182230	150.00	BLI-075-06N-03S-D-00	130397070	2021488278	1831058	5/20/2011	15.50
502182231	150.00	BLI-075-06N-03S-D-00	130397070	2021488278	1831058	5/20/2011	15.50
502182232	150.00	BLI-075-06N-03S-D-00	130397070	2021488278	1831058	5/20/2011	15.50
502182233	150.00	BLI-075-06N-03S-D-00	140000015	2021488278	1831058	5/20/2011	15.50
502182234	150.00	BLI-075-06N-03S-D-00	140000015	2021488278	1831058	5/20/2011	15.50
502182235	150.00	BLI-075-06N-03S-D-00	140000015	2021488278	1831058	5/20/2011	15.50
502182236	150.00	BLI-075-06N-03S-D-00	140000015	2021488278	1831058	5/20/2011	15.50
502182237	150.00	BLI-075-06N-03S-D-00	140000015	2021488278	1831059	5/20/2011	15.50
502182238	150.00	BLI-075-06N-03S-D-00	140000015	2021488278	1831059	5/20/2011	15.50
502182239	150.00	BLI-075-06N-03S-D-00	140000015	2021488278	1831059	5/20/2011	15.50
502182240	150.00	BLI-075-06N-03S-D-00	140000015	2021488278	1831059	5/20/2011	15.50
502182241	150.00	BLI-075-06N-03S-D-00	140000015	2021488278	1831059	5/20/2011	15.50
502182242	150.00	BLI-075-06N-03S-D-00	130397071	2021488278	1831059	5/20/2011	15.50
502182243	150.00	BLI-075-06N-03S-D-00	130397071	2021488278	1831059	5/20/2011	15.50
502182244	150.00	BLI-075-06N-03S-D-00	130397071	2021488278	1831059	5/20/2011	15.50
502182245	150.00	BLI-075-06N-03S-D-00	130397071	2021488278	1831059	5/20/2011	15.50
502182246	150.00	BLI-075-06N-03S-D-00	130397071	2021488278	1831059	5/20/2011	15.50
502182247	150.00	BLI-075-06N-03S-D-00	130397071	2021488278	1831059	5/20/2011	15.50
502182248	140.00	BLI-075-06N-03S-D-00	130397071	2021488278	1831059	5/20/2011	15.50
502182249	150.00	BLI-075-06N-03S-D-00	130397071	2021488278	1831059	5/20/2011	15.50
502182250	150.00	BLI-075-06N-03S-D-00	130397071	2021488278	1831059	5/20/2011	15.50
502182251	160.00	BLI-075-06N-03S-D-00	130397071	2021488278	1831059	5/20/2011	15.50

GARY D. WEAVER
Notary Public, State of Texas
My Commission Expires 08-16-2014

Prepared by Chuck Taylor 6/14/2011

GSE Lining Technology, LLC

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 5/20/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064401	Chenango Contracting	Syracuse NY US	BLI-075-06N-03S-D-00	

Roll Number	ASTM D4632 Grab Strength (lbs)	ASTM D4632 Peel Strength (lbs)	ASTM D6768 Tensile Strength (ppi)	ASTM D6496 Peel Strength (ppi)	ASTM D5993 Clay Content @ 0% Moisture (lbs/sf)	ASTM D5890 Free Swell (ml)	ASTM D2216 Moisture Content (%)	ASTM D5891 Fluid Loss (ml)
502182227	162	27	50.6	5.3	0.80	27	11.6	13.0
502182228	162	27	50.6	5.3	0.80	27	11.6	13.0
502182229	162	27	50.6	5.3	0.80	27	11.6	13.0
502182230	162	27	50.6	5.3	0.80	27	11.6	13.0
502182231	162	27	50.6	5.3	0.80	27	11.6	13.0
502182232	162	27	50.6	5.3	0.80	27	11.6	13.0
502182233	162	27	50.6	5.3	0.80	27	11.6	13.0
502182234	162	27	50.6	5.3	0.80	27	11.6	13.0
502182235	162	27	50.6	5.3	0.80	27	11.6	13.0
502182236	162	27	50.6	5.3	0.80	27	11.6	13.0
502182237	162	27	50.6	5.3	0.80	30	11.0	13.6
502182238	162	27	50.6	5.3	0.80	30	11.0	13.6
502182239	162	27	50.6	5.3	0.80	30	11.0	13.6
502182240	162	27	50.6	5.3	0.80	30	11.0	13.6
502182241	162	27	50.6	5.3	0.80	30	11.0	13.6
502182242	162	27	50.6	5.3	0.80	30	11.0	13.6
502182243	188	38	56.3	7.3	0.82	30	11.0	13.6
502182244	188	38	56.3	7.3	0.82	30	11.0	13.6
502182245	188	38	56.3	7.3	0.82	30	11.0	13.6
502182246	188	38	56.3	7.3	0.82	30	11.0	13.6
502182247	188	38	56.3	7.3	0.82	30	11.0	13.6
502182248	188	38	56.3	7.3	0.82	30	11.0	13.6
502182249	188	38	56.3	7.3	0.82	30	11.0	13.6
502182250	188	38	56.3	7.3	0.82	30	11.0	13.6
502182251	188	38	56.3	7.3	0.82	30	11.0	13.6

GARY D. WEAVER
Notary Public, State of Texas
My Commission Expires 09-16-2014

Laboratory Manager Chuck Taylor

This test report shall not be reproduced, except in full, without written approval of the laboratory.

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report date: 6/14/2011

Sales order number	Customer name	Project location	Product name	BOL number
SO-064401	Chenango Contracting	NY Syracuse US	BLI-GEO-NW-060	

Roll number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs)	ASTM D4632 Grab Strength (lbs)	ASTM D4632 Grab Elongation (%)	ASTM D4632 Grab Elongation (%)
130397070	6.7	93	118	156	178
130397071	6.7	93	118	156	178
140000015	7.1	107	77	179	195

GARY D. WEAVER
Notary Public, State of Texas
My Commission Expires 08-16-2014

Laboratory Manager Claude Taylor

This test report shall not be reproduced, except in full, without written approval of the laboratory.

PROPEX®

Certificate of Analysis

Tim Smith
Quality Manager

BOL: 80491578 MV 1009007 61TXL 15.83ftXMR bge GEOTEX style 61TXL Cust PO: 03-064376

HU#/Rolls Shipped		units	Fill Elongation %	Fill Tear LB	Fill Tensile @ Brk LB	Puncture LB	Warp Elongation %	Warp Tear LB	Warp Tensile @ Brk LB	Weight OSY
		ASTM Test	D-4632	D-4533	D-4632	D-4833	D-4632	D-4533	D-4632	D-5261
2021426322	*	2239466	18.9	118.6	140.1	74	39.3	124.7	195.7	3.50
2021426340	*	2239467	19.0	88.0	140.4	81	28.4	82.7	161.9	3.43
2021426343	*	2239469	18.1	95.8	150.0	65	31.8	79.4	175.4	3.46
2021429560	*	2239468	21.3	88.5	125.3	61	37.1	76.5	153.8	3.25
2021434751	*	2239069	18.7	82.1	137.8	77	33.6	77.9	165.7	3.46
2021434763	*	2239069	18.7	82.1	137.8	77	33.6	77.9	165.7	3.46
2021447686	*	2239039	16.1	101.5	134.9	74	25.2	75.6	148.2	3.54
2021448146	*	2239033	20.3	104.8	128.2	91	35.3	74.3	162.6	3.61
2021448148	*	2239033	20.3	104.8	128.2	91	35.3	74.3	162.6	3.61
2021448175	*	2239068	17.1	88.7	123.2	82	37.3	112.8	170.7	3.46
2021448176	*	2239068	17.1	88.7	123.2	82	37.3	112.8	170.7	3.46
2021448198	*	2239037	17.1	84.0	137.7	92	31.8	93.3	163.9	3.55
2021448705	*	2239071	17.3	99.1	133.4	90	38.7	96.6	167.5	3.49
2021448707	*	2239071	17.3	99.1	133.4	90	38.7	96.6	167.5	3.49
2021448709	*	2239071	17.3	99.1	133.4	90	38.7	96.6	167.5	3.49
2021450424	*	2239034	17.1	103.5	143.7	98	31.8	80.3	159.2	3.43
2021461005	*	2239051	15.6	74.4	140.4	74	28.0	66.9	158.8	3.46
2021465227	*	2239163	18.1	97.7	113.8	85	37.4	99.7	175.9	3.37
2021466728	*	2239040	19.8	117.4	155.1	80	35.5	101.4	178.8	3.44
2021482400	*	2239895	17.7	97.8	121.0	63	30.8	101.8	160.1	3.44
2021482401	*	2239895	17.7	97.8	121.0	63	30.8	101.8	160.1	3.44
2021486094	*	2239890	20.3	102.4	159.6	71	36.9	109.2	180.3	3.33
2021486220	*	2239755	15.9	96.2	124.1	76	31.5	119.4	181.9	3.28
2021488278	*	2240202	17.3	72.1	115.6	70	32.8	80.6	152.8	3.35
2021486912	*	2240200	18.3	93.3	120.8	83	33.0	89.1	181.0	3.37
2021489558	*	2239757	17.5	89.4	114.5	89	29.8	74.8	165.3	3.67
2021495189	*	2231410	19.2	100.5	134.7	58	34.0	91.3	165.4	3.33

GARY D. WEAVER
Notary Public, State of Texas
My Commission Expires 08-16-2014

1. Data listed above was determined in accordance with standard test methods, frequencies and procedures defined internally by plant and product type
2. Rolls tested on this shipment are identified with an asterisk(*)
3. HU# is handling unit and is terminology for roll number and "production order" equates to lot number.
Our enterprise resource planning system generates sequential handling unit and production order designations independent of the manufacturing facility producing the product.
Therefore, handling unit numbers may not be in sequential order within a production order.

Propex Operating Company, LLC, 6025 Lee Hwy, Suite 425, PO Box 22788 Chattanooga TN 37422

GSE BentoLiner
3150 1st. Ave
Spearfish, SD 57783

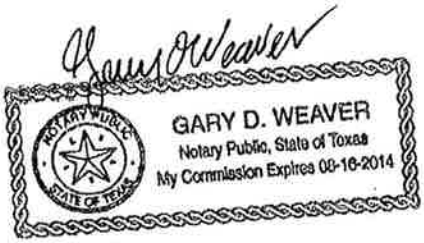
Quality Assurance Laboratory Test Results

Report Date
6/14/2011

Job Name: Honeywell SCA
SO Number: 64401
Product: BentoLiner NSL

Test: Weekly Results
Hydraulic Conductivity ASTM D5887

DATE	LOT NUMBER	ROLL NUMBER	RESULT		Effective stress
5/17/2011	21051703	502182008	1.27E-09	cm/s	5 psi
5/18/2011	21051803	502182108	1.39E-09	cm/s	5 psi
5/17/2011	21051703	502182008	1.27E-09	cm/s	5 psi
5/18/2011	21051803	502182060	9.08E-10	cm/s	5 psi
5/19/2011	21051903	502182146	9.93E-10	cm/s	5 psi



Approved By:
Lab Technician

Date:
6-14-11

GSE BentoLiner
3150 1st. Ave
Spearfish, SD 57783

Quality Assurance Laboratory Test Results

Report Date
6/14/2011

Job Name: Honeywell SCA
SO Number: 64401
Product: BentoLiner NSL
Test: Weekly Results
Index Flux ASTM D5887

DATE	LOT NUMBER	ROLL NUMBER	RESULT		Effective stress
5/17/2011	21051703	502182008	3.94E-09	$m^3/m^2/s$	5 psi
5/18/2011	21051803	502182108	3.80E-09	$m^3/m^2/s$	5 psi
5/17/2011	21051703	502182008	3.94E-09	$m^3/m^2/s$	5 psi
5/18/2011	21051803	502182060	2.60E-09	$m^3/m^2/s$	5 psi
5/19/2011	21051903	502182146	2.65E-09	$m^3/m^2/s$	5 psi

GARY D. WEAVER
Notary Public, State of Texas
My Commission Expires 08-16-2014

Approved By:
Lab Technician

Date:
6-14-11

GSE BentoLiner
3150 1st. Ave
Spearfish, SD 57783

Quality Assurance Laboratory Test Results

Report Date
6/29/2011

Job Name: Honeywell SCA
SO Number: 64401
Product: BentoLiner NSL

Test: Hydraulic Conductivity ASTM D5887

DATE	LOT NUMBER	ROLL NUMBER	RESULT	Effective stress
5/20/2011	21052003	502182227	1.65E-09 cm/s	5 psi

GARY D. WEAVER
Notary Public, State of Texas
My Commission Expires 08-16-2014

Approved By:
Chuck Taylor
Lab Technician

Date:
6-29-11

GSE BentoLiner
3150 1st. Ave
Spearfish, SD 57783

Quality Assurance Laboratory Test Results

Report Date
6/29/2011

Job Name: Honeywell SCA
SO Number: 64401
Product: BentoLiner NSL

Test: Index Flux ASTM D5887

DATE	LOT NUMBER	ROLL NUMBER	RESULT		Effective stress
5/20/2011	21052003	502182227	4.39E-09	$m^3/m^2/s$	5 psi

GARY D. WEAVER
Notary Public, State of Texas
My Commission Expires 08-16-2014

Approved By:
Lab Technician

Date:
6-29-11

RECEIVED
SEP - 7 2011
Shane
PARSONS

GSE BentoLiner®

QUALITY CONTROL CERTIFICATE

Lot #	Roll #	Date Produced	Product	Length	Width
				ft / m	ft / m
20110903	502169177	11/10/2010	BentoLiner NSL	150.0	15.5
				45.72	4.72

Finished Product

Type		BentoLiner NSL		
Mass	ASTM D5993	4760 g/m²	0.975 lb/ft²	
Grab Strength	ASTM D4632	880.7 N	198 lbs	
Grab Elongation	ASTM D4632		91 %	
Tensile Strength	ASTM D6768	10.0 kN/m	57.1 ppi	30
Peel Strength	ASTM D4632 mod	151.2 N	34 lbs	
Peel Strength	ASTM D6496	1155.8 N/m	6.6 ppi	2.5
Index Flux 1/30,000 sqd	ASTM D5887	<1E-8 m³/m²/sec	—	
Permeability	ASTM D5084	<5E-9 cm/s		10^{-6}

Top Layer

Type			Non-woven	
Layer #			130378760	
Mass	ASTM D5261	241 g/m²	7.1 oz/yd²	5.8

Bottom Layer

Type			Slit Film woven	
Layer #			2021116054	
Mass	ASTM D5261	115 g/m²	3.4 oz/yd²	3.0

Bentonite

Shipment Lot #			1688513	
Moisture Content	ASTM D4643		10.1 %	40 Y.
Swell Index	ASTM D5890		24.0 ml	24
Fluid Loss	ASTM D5891		14.4 ml	18
Bentonite Mass Per Unit Area @ 0% mc	ASTM D5993	3999 g/m²	0.819 lb/ft²	0.75

DJB

See Spec 2772 Part 2.02 for Req
Table 2772-01 for property values
CQA Table A-3 for CQA requirements

GSE CLAY LINING TECHNOLOGY CO.
PASS

GSE BentoLiner®

QUALITY CONTROL CERTIFICATE

Lot #	Roll #	Date Produced	Product	Length	Width
				ft / m	ft / m
20110903	502169176	11/10/2010	BentoLiner NSL	150.0	15.5
				45.72	4.72

Finished Product

Type		BentoLiner NSL		
Mass	ASTM D5993	4486 g/m²	0.919 lb/ft²	
Grab Strength	ASTM D4632	965.3 N	217 lbs	
Grab Elongation	ASTM D4632		79 %	
Tensile Strength	ASTM D6768	8.9 kN/m	50.7 ppi	30
Peel Strength	ASTM D4632 mod	222.4 N	50 lbs	
Peel Strength	ASTM D6496	1751.3 N/m	10.0 ppi	2.5
Index Flux	ASTM D5887	<1E-8 m³/m²/sec		10^{-6}
Permeability	ASTM D5084	<5E-9 cm/s		

Top Layer

Type			Non-woven	
Layer #			130378769	
Mass	ASTM D5261	251 g/m²	7.4 oz/yd²	5.8

Bottom Layer

Type			Slit Film woven	
Layer #			2021140475	
Mass	ASTM D5261	125 g/m²	3.7 oz/yd²	3.0

Bentonite

Shipment Lot #			1688513	
Moisture Content	ASTM D4643		10.1 %	40
Swell Index	ASTM D5890		24.0 ml	24
Fluid Loss	ASTM D5891		14.4 ml	18
Bentonite Mass Per Unit Area @ 0% mc	ASTM D5993	3730 g/m²	0.764 lb/ft²	0.75

DB

GSE CLAY LINING TECHNOLOGY CO. PASS

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Nov -1 2011
PARSONS

GSE BentoLiner®

3150 1st Ave
Spearfish, SD 57783

TEL: 605-642-8531
FAX: 605-642-8539

BentoLiner® MANUFACTURING CERTIFICATION

CUSTOMER: Chenango Contracting
PROJECT:
ORDER NO.:

SHIP DATE:
 # ROLLS:
PRODUCT TYPE: BentoLiner NSL

GSE Bentoliner® hereby certifies that the GSE BentoLiner® Geosynthetic Clay Liner purchased and shipped for the above referenced project does meet or exceed GSE BentoLiner's® specifications .

The GSE BentoLiner® product has been continuously inspected for the presence of needles and is certified to be needle free.

BENTONITE testing was performed as follows:

Swell Index	ASTM D5890	1/60,000 lb ✓
Moisture Content	ASTM D4643	1/60,000 lb ✓
Fluid Loss	ASTM D5891	1/60,000 lb ✓

GEOTEXTILE PROPERTIES

NOT GIVEN

Top/Cap Mass (oz/yd²)	ASTM D5261	1/200,000 ft² ✓
Bottom Mass (oz/yd²)	ASTM D5261	1/200,000 ft² ✓

GEOSYNTHETIC CLAY LINER testing on the finished product was performed as follows:

Bentonite Mass Per Unit Area	ASTM D5993	1/40,000 ft² ✓
Grab Tensile/Elongation	ASTM D4632	1/40,000 ft²
Tensile Strength	ASTM D6768	1/40,000 ft² ✓
Peel Strength	ASTM D4632 Mod.	1/40,000 ft²
Peel Strength	ASTM D6496	1/40,000 ft² ✓
Hydraulic Conductivity	ASTM D5084	Weekly
**certified to meet the required specification of < 5E-9 cm/sec*		
Index Flux	ASTM D5887	Weekly (270,000SF OR 30,000SY)
**certified to meet the required specification of < 1E-8 m³/m²/sec*		
Internal Shear	ASTM D6243	Periodically
**hydrated 24 hours and sheared under 200 psf normal stress is certified to be 500 psf*		

The LOT and ROLL numbers for this shipment are as follows:

LOT# 21061403

ROLL # 502184347 - 502184398

Chuck Taylor
Chuck Taylor
Lab Technician

Date: 6-14-11

Geosynthetic Clay Liner Traceability

Customer: Chenango Contracting

Serial number	Roll length	Item number	Top Geo	Bottom Geo	Clay serial	Manufacturing date	Roll width
502184347	150.00	BLI-075-06N-03S-D-00	130397197	2021570005	1857633	6/14/2011	15.50
502184348	150.00	BLI-075-06N-03S-D-00	130397197	2021570005	1857633	6/14/2011	15.50
502184349	150.00	BLI-075-06N-03S-D-00	130397197	2021570005	1857633	6/14/2011	15.50
502184350	150.00	BLI-075-06N-03S-D-00	130397197	2021570005	1857633	6/14/2011	15.50
502184351	150.00	BLI-075-06N-03S-D-00	130397197	2021570005	1857633	6/14/2011	15.50
502184352	150.00	BLI-075-06N-03S-D-00	130399570	2021570005	1857633	6/14/2011	15.50
502184353	150.00	BLI-075-06N-03S-D-00	130399570	2021570005	1857633	6/14/2011	15.50
502184354	150.00	BLI-075-06N-03S-D-00	130399570	2021570005	1857633	6/14/2011	15.50
502184355	150.00	BLI-075-06N-03S-D-00	130399570	2021570005	1857633	6/14/2011	15.50
502184356	150.00	BLI-075-06N-03S-D-00	130399570	2021570005	1857633	6/14/2011	15.50
502184357	150.00	BLI-075-06N-03S-D-00	130399570	2021570005	1857633	6/14/2011	15.50
502184358	150.00	BLI-075-06N-03S-D-00	130399570	2021570005	1857633	6/14/2011	15.50
502184359	150.00	BLI-075-06N-03S-D-00	130399570	2021570005	1857633	6/14/2011	15.50
502184360	150.00	BLI-075-06N-03S-D-00	130399570	2021570005	1857633	6/14/2011	15.50
502184361	150.00	BLI-075-06N-03S-D-00	130399570	2021570005	1857633	6/14/2011	15.50
502184362	150.00	BLI-075-06N-03S-D-00	130399569	2021570005	1853816	6/14/2011	15.50
502184363	150.00	BLI-075-06N-03S-D-00	130399569	2021570005	1853816	6/14/2011	15.50
502184364	150.00	BLI-075-06N-03S-D-00	130399569	2021570005	1853816	6/14/2011	15.50
502184365	118.00	BLI-075-06N-03S-D-00	130399569	2021570005	1853816	6/14/2011	15.50
502184366	150.00	BLI-075-06N-03S-D-00	130399569	2021306830	1853816	6/14/2011	15.50
502184367	150.00	BLI-075-06N-03S-D-00	130399569	2021306830	1853816	6/14/2011	15.50
502184368	150.00	BLI-075-06N-03S-D-00	130399569	2021306830	1853816	6/14/2011	15.50
502184369	150.00	BLI-075-06N-03S-D-00	130399569	2021306830	1853816	6/14/2011	15.50
502184370	150.00	BLI-075-06N-03S-D-00	130399569	2021306830	1853816	6/14/2011	15.50
502184371	150.00	BLI-075-06N-03S-D-00	130399569	2021306830	1853816	6/14/2011	15.50
502184372	150.00	BLI-075-06N-03S-D-00	130399554	2021306830	1853816	6/14/2011	15.50
502184373	150.00	BLI-075-06N-03S-D-00	130399554	2021306830	1853816	6/14/2011	15.50
502184374	150.00	BLI-075-06N-03S-D-00	130399554	2021306830	1853816	6/14/2011	15.50
* 502184375	150.00	BLI-075-06N-03S-D-00	130399554	2021306830	1853816	6/14/2011	15.50

Geosynthetic Clay Liner Traceability

Customer: Chenango Contracting

502184376	150.00	BLI-075-06N-03S-D-00	130399554	2021306830	1853816	6/14/2011	15.50
502184377	150.00	BLI-075-06N-03S-D-00	130399554	2021306830	1853816	6/14/2011	15.50
502184378	150.00	BLI-075-06N-03S-D-00	130399554	2021525194	1853816	6/14/2011	15.50
502184379	150.00	BLI-075-06N-03S-D-00	130399554	2021525194	1853816	6/14/2011	15.50
502184380	150.00	BLI-075-06N-03S-D-00	130399554	2021525194	1853816	6/14/2011	15.50
502184381	150.00	BLI-075-06N-03S-D-00	130397196	2021525194	1853816	6/14/2011	15.50
502184382	150.00	BLI-075-06N-03S-D-00	130397196	2021525194	1853816	6/14/2011	15.50
502184383	150.00	BLI-075-06N-03S-D-00	130397196	2021525194	1853816	6/14/2011	15.50
502184384	150.00	BLI-075-06N-03S-D-00	130397196	2021525194	1853816	6/14/2011	15.50
502184385	150.00	BLI-075-06N-03S-D-00	130397196	2021525194	1853816	6/14/2011	15.50
502184386	150.00	BLI-075-06N-03S-D-00	130397196	2021525194	1853816	6/14/2011	15.50
502184387	150.00	BLI-075-06N-03S-D-00	130397196	2021525194	1853816	6/14/2011	15.50
502184388	150.00	BLI-075-06N-03S-D-00	130397196	2021525194	1853816	6/14/2011	15.50
502184389	150.00	BLI-075-06N-03S-D-00	130397196	2021525194	1853816	6/14/2011	15.50
502184390	150.00	BLI-075-06N-03S-D-00	130397196	2021525194	1853816	6/14/2011	15.50
502184391	150.00	BLI-075-06N-03S-D-00	130399558	2021525194	1857634	6/14/2011	15.50
502184392	150.00	BLI-075-06N-03S-D-00	130399558	2021525194	1857634	6/14/2011	15.50
502184393	82.00	BLI-075-06N-03S-D-00	130399558	2021525194	1857634	6/14/2011	15.50
502184394	150.00	BLI-075-06N-03S-D-00	130399558	2021525194	1857634	6/14/2011	15.50
502184395	150.00	BLI-075-06N-03S-D-00	130399558	2021525194	1857634	6/14/2011	15.50
502184396	150.00	BLI-075-06N-03S-D-00	130399558	2021525194	1857634	6/14/2011	15.50
502184397	150.00	BLI-075-06N-03S-D-00	130399558	2021525194	1857634	6/14/2011	15.50
502184398	100.00	BLI-075-06N-03S-D-00	130399558	2021525194	1857634	6/14/2011	15.50

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report date: 6/14/2011

Sales order number	Customer name	Project number	Product name	BOL number
	Chenango Contracting		BLI-075-06N-03S-D-00	

Roll number	ASTM D4632 Grab Strength (lbs)	ASTM D4632 Peel Strength (lbs)	ASTM D6768 Tensile Strength (ppi)	ASTM D6496 Peel Strength (ppi)	ASTM D5993 Dry Content @ 0% Moisture (lbs/sf)	ASTM D6990 Peel Seam (ppi)	ASTM D7275 Moisture Content (%)	ASTM D5321 Shear Data (ppi)
502184347	212	41	56.5	7.7	0.79	31	9.3	15.4
502184348	212	41	56.5	7.7	0.79	31	9.3	15.4
502184349	212	41	56.5	7.7	0.79	31	9.3	15.4
502184350	212	41	56.5	7.7	0.79	31	9.3	15.4
502184351	212	41	56.5	7.7	0.79	31	9.3	15.4
502184352	212	41	56.5	7.7	0.79	31	9.3	15.4
502184353	212	41	56.5	7.7	0.79	31	9.3	15.4
502184354	212	41	56.5	7.7	0.79	31	9.3	15.4
502184355	212	41	56.5	7.7	0.79	31	9.3	15.4
502184356	212	41	56.5	7.7	0.79	31	9.3	15.4
502184357	212	41	56.5	7.7	0.79	31	9.3	15.4
502184358	212	41	56.5	7.7	0.79	31	9.3	15.4
502184359	212	41	56.5	7.7	0.79	31	9.3	15.4
502184360	212	41	56.5	7.7	0.79	31	9.3	15.4
502184361	212	41	56.5	7.7	0.79	31	9.3	15.4
502184362	212	41	56.5	7.7	0.79	31	9.3	15.4
502184363	227	29	59.5	5.3	0.78	27	11.4	13.0
502184364	227	29	59.5	5.3	0.78	27	11.4	13.0
502184365	227	29	59.5	5.3	0.78	27	11.4	13.0
502184366	227	29	59.5	5.3	0.78	27	11.4	13.0
502184367	227	29	59.5	5.3	0.78	27	11.4	13.0
502184368	227	29	59.5	5.3	0.78	27	11.4	13.0
502184369	227	29	59.5	5.3	0.78	27	11.4	13.0
502184370	227	29	59.5	5.3	0.78	27	11.4	13.0
502184371	227	29	59.5	5.3	0.78	27	11.4	13.0
502184372	227	29	59.5	5.3	0.78	27	11.4	13.0
502184373	227	29	59.5	5.3	0.78	27	11.4	13.0
502184374	227	29	59.5	5.3	0.78	27	11.4	13.0
* 502184375	227	29	59.5	5.3	0.78	27	11.4	13.0
502184376	227	29	59.5	5.3	0.78	27	11.4	13.0
502184377	227	29	59.5	5.3	0.78	27	11.4	13.0
502184378	227	29	59.5	5.3	0.78	27	11.4	13.0
502184379	216	32	59.0	5.9	0.80	27	11.4	13.0
502184380	216	32	59.0	5.9	0.80	27	11.4	13.0

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report date: 6/14/2011

Sales order number	*Customer name*	*Project number*	*Product name*	*BOL number*
	Chenango Contracting		BLI-075-06N-03S-D-00	

Roll number	ASTM D4632 Grab Strength (lbs)	ASTM D4632 Peel Strength (lbs)	ASTM D6768 Tensile Strength (psi)	ASTM D6496 Peel Strength (ppi)	ASTM D5993 Clay Content @ 0% Moisture (lbs/sf)	ASTM D5890 Free Swell (ml)	ASTM D2216 Moisture Content (%)	ASTM D5891 Fluid Loss (ml)
502184381	216	32	59.0	5.9	0.80	27	11.4	13.0
502184382	216	32	59.0	5.9	0.80	27	11.4	13.0
502184383	216	32	59.0	5.9	0.80	27	11.4	13.0
502184384	216	32	59.0	5.9	0.80	27	11.4	13.0
502184385	216	32	59.0	5.9	0.80	27	11.4	13.0
502184386	216	32	59.0	5.9	0.80	27	11.4	13.0
502184387	216	32	59.0	5.9	0.80	27	11.4	13.0
502184388	216	32	59.0	5.9	0.80	27	11.4	13.0
502184389	216	32	59.0	5.9	0.80	27	11.4	13.0
502184390	216	32	59.0	5.9	0.80	27	11.4	13.0
502184391	216	32	59.0	5.9	0.80	29	10.5	15.0
502184392	216	32	59.0	5.9	0.80	29	10.5	15.0
502184393	216	32	59.0	5.9	0.80	29	10.5	15.0
502184394	216	32	59.0	5.9	0.80	29	10.5	15.0
502184395	197	39	58.3	7.7	0.78	29	10.5	15.0
*502184396	197	39	58.3	7.7	0.78	29	10.5	15.0
502184397	197	39	58.3	7.7	0.78	29	10.5	15.0
502184398	197	39	58.3	7.7	0.78	29	10.5	15.0

Laboratory Manager Chuck Taylor

This test report shall not be reproduced, except in full, without written approval of the laboratory

Geomembrane

- 60-mil
- 100-mil

60-mil

Geosyntec
consultants

Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gml : 2 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** HDT-060AE-BBB-B-WO

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
Accepted Rolls												
5/24/2011	8201494-102158626	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201494-102158630	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201494-102158632	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201494-102158634	22.5	520	BB	5/24/2011	GM-08	P	BB	5/20/2011	6/15/2011	P	BB
5/23/2011	8201499-102158764	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158765	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158766	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158767	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158768	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158769	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/20/2011	8201499-102158771	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158772	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/23/2011	8201499-102158773	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158774	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158775	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/23/2011	8201499-102158776	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158777	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158778	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/23/2011	8201499-102158779	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158780	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158781	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158782	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201499-102158783	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/23/2011	8201499-102158784	22.5	520	BB	5/23/2011	GM-03	P	BB	5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158785	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158786	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/20/2011	8201499-102158787	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/23/2011	8201499-102158788	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158789	22.5	520	BB					5/19/2011	6/15/2011	P	BB

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase 1 Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gml : 2 *Manufacturer:* GSE Lining Technology *Product Type:* HDT-060AE-BBB-B-WO

Inventory					Q.A. Conformance				Q.C. Documents			
Inv Date	*Batch-Roll*	*Width* (ft.)	*Length* (ft.)	*QA ID*	*Date*	*Samp No*	*Result*	*QAID*	*Date Rec*	*Date Ckk*	*Result*	*QAID*
5/23/2011	8201499-102158790	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158791	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/20/2011	8201499-102158792	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158793	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158794	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158795	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158796	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/23/2011	8201499-102158797	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/20/2011	8201499-102158798	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158799	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/23/2011	8201499-102158800	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201499-102158801	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/20/2011	8201499-102158802	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158803	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158804	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158805	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158806	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201499-102158807	22.5	520	BB	5/20/2011	GM-02	P	BB	5/17/2011	6/15/2011	P	BB
5/20/2011	8201499-102158808	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201499-102158809	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/23/2011	8201499-102158810	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/23/2011	8201499-102158811	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/23/2011	8201499-102158812	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/23/2011	8201500-102158813	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201500-102158814	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158815	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158816	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158817	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201500-102158818	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201500-102158819	22.5	520	BB					5/18/2011	6/15/2011	P	BB

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gml : 2 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** HDT-060AE-BBB-B-WO

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
5/20/2011	8201500-102158820	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158821	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158822	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158823	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158824	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158825	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158826	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158827	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158828	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158829	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158830	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/23/2011	8201500-102158831	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/23/2011	8201500-102158832	22.5	520	BB	5/23/2011	GM-01	P	BB	5/18/2011	6/15/2011	P	BB
5/23/2011	8201500-102158833	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201500-102158834	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158835	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158836	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158837	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/23/2011	8201500-102158838	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201500-102158839	22.5	520	BB					5/18/2011	6/15/2011	P	BB
5/20/2011	8201500-102158840	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/20/2011	8201500-102158841	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/23/2011	8201500-102158842	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158843	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158844	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158845	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158850	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158851	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201500-102158852	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201500-102158853	22.5	520	BB					5/20/2011	6/15/2011	P	BB

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gml : 2 *Manufacturer:* GSE Lining Technology *Product Type:* HDT-060AE-BBB-B-WO

Inventory					Q.A. Conformance				Q.C. Documents			
Inv Date	*Batch-Roll*	*Width* (ft.)	*Length* (ft.)	*QA ID*	*Date*	*Samp No*	*Result*	*QAID*	*Date Rec*	*Date Ckk*	*Result*	*QAID*
5/24/2011	8201500-102158854	22.5	520	BB	5/24/2011	GM-06	P	BB	5/20/2011	6/15/2011	P	BB
5/23/2011	8201500-102158855	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158856	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158857	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158858	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201500-102158859	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/23/2011	8201500-102158860	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158861	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201500-102158862	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201500-102158863	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/23/2011	8201500-102158864	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158865	22.5	520	BB	7/20/2011	GM-9A	p	DWM	5/19/2011	6/15/2011	P	BB
5/20/2011	8201500-102158866	22.5	520	BB					5/17/2011	6/15/2011	P	BB
5/23/2011	8201500-102158867	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158868	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201500-102158870	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/23/2011	8201500-102158871	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158872	22.5	520	BB	5/23/2011	GM-04	P	BB	5/19/2011	6/15/2011	P	BB
5/23/2011	8201500-102158873	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201507-102158874	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/23/2011	8201507-102158875	22.5	520	BB					5/23/2011	6/15/2011	P	BB
5/23/2011	8201507-102158876	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201507-102158877	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158878	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158879	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158880	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158881	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158882	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158883	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/23/2011	8201507-102158884	22.5	520	BB					5/19/2011	6/15/2011	P	BB

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Material Type: gml : 2 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** HDT-060AE-BBB-B-WO

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
5/24/2011	8201507-102158885	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158886	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158887	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158888	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158889	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158890	22.5	520	BB	5/24/2011	GM-07	P	BB	5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158892	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158893	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158894	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158895	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/23/2011	8201507-102158896	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201507-102158897	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/23/2011	8201507-102158898	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201507-102158899	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158900	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158901	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158902	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/23/2011	8201507-102158903	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/23/2011	8201507-102158904	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201507-102158905	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/23/2011	8201507-102158906	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201507-102158907	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/23/2011	8201507-102158908	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201507-102158909	22.5	520	BB	5/24/2011	GM-05	P	BB	5/20/2011	6/15/2011	P	BB
5/23/2011	8201507-102158910	22.5	520	BB					5/19/2011	6/15/2011	P	BB
5/24/2011	8201507-102158911	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158912	22.5	520	BB					5/20/2011	6/15/2011	P	BB
5/24/2011	8201507-102158913	22.5	520	BB					5/20/2011	6/15/2011	P	BB

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Material Type: gml : 2 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** HDT-060AE-BBB-B-WO

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***

Average Roll Width(ft.): 22 ***Average Roll Length(ft.): 520***
Total Number of Rolls: 147 ***Cumulative Area(sq.ft.): 1719900***
Total Number of Conformance Tests: 9

Rejected Rolls

	8201500-102158869	0	0	BB								

Average Roll Width(ft.): 0 ***Average Roll Length(ft.): 0***
Total Number of Rolls: 1 ***Cumulative Area(sq.ft.): 0***
Total Number of Conformance Tests: 9

Comments: 8201500-102158865:GM-9A was taken for Interface Friction Testing; 8201500-102158869:Manufacturer did not ship to site

Report Date
8/8/2011

Quality Assurance Laboratory Test Results

Job Name: Honeywell/Onondaga Lake SCA
Sales Order: 63624

Required Testing: ASTM D 3895 -- Standard Test Method for Oxidative Induction Time of Polyolefins by Differential Scanning Calorimetry
ASTM D 5397 -- Standard Test Method for Evaluation of Stress Crack Resistance of Polyolefin Geomembranes Using Notched Constant Tensile Load Test

Frequency: D 3895 - 1 Test Per Resin Lot
D 5397 - 1 Test Per Resin Lot

Criteria: D 3895 - 140 Minutes
D 5397 - 1000 Hours

Product Code	Resin Lot Number	Test Results
HDT-060AE-BBB-B-W0	8201499	PASS
HDT-060AE-BBB-B-W0	8201500	PASS
HDT-060AE-BBB-B-W0	8201507	PASS
HDT-060AE-BBB-B-W0	8201494	PASS

Approved By: Jane Allen
Date Approved: August 8, 2011

The above stated data shall not be reproduced except in full, without the written approval of the laboratory.

GSE

The Pioneer Of Geosynthetics

SINCE 1972

Product Data Sheet

GSE HD Textured Geomembrane

GSE HD Textured is a co-extruded textured high density polyethylene (HDPE) geomembrane available on one or both sides. It is manufactured from the highest quality resin specifically formulated for flexible geomembranes. This product is used in applications that require increased frictional resistance, excellent chemical resistance and endurance properties.

Product Specifications *These product specifications meet or exceed GRI GM13.*

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE				
			30 mil	40 mil	60 mil	80 mil	100 mil
Thickness, (minimum average) mil (mm) Lowest individual reading (-10%)	ASTM D 5994	every roll	30 (0.75) 27 (0.69)	40 (1.00) 36 (0.91)	60 (1.50) 54 (1.40)	80 (2.00) 72 (1.80)	100 (2.50) 90 (2.30)
Density, g/cm³	ASTM D 1505	200,000 lb	0.94	0.94	0.94	0.94	0.94
Tensile Properties (each direction) Strength at Break, lb/in-width (N/mm) Strength at Yield, lb/in-width (N/mm) Elongation at Break, % Elongation at Yield, %	ASTM D 6693, Type IV Dumbell, 2 ipm G.L. 2.0 in (51 mm) G.L. 1.3 in (33 mm)	20,000 lb	 66 (11) 68 (11) 100 12	 75 (13) 90 (15) 100 12	 115 (20) 132 (23) 100 12	 155 (27) 177 (31) 100 12	 230 (40) 225 (39) 100 12
Tear Resistance, lb (N)	ASTM D 1004	45,000 lb	24 (106)	32 (142)	45 (200)	60 (266)	75 (333)
Puncture Resistance, lb (N)	ASTM D 4833	45,000 lb	65 (289)	95 (422)	130 (578)	160 (711)	190 (845)
Carbon Black Content, % (Range)	ASTM D 1603*/4218	20,000 lb	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0
Carbon Black Dispersion	ASTM D 5596	45,000 lb	Note[1]	Note[1]	Note[1]	Note[1]	Note[1]
Asperity Height, mil (mm)	ASTM D 7466	second roll	16 (0.40)	18 (0.45)	18 (0.45)	18 (0.45)	18 (0.45)
Notched Constant Tensile Load[2], hr	ASTM D 5397, Appendix	200,000 lb	1,000	1,000	1,000	1,000	1,000
Oxidative Induction Time, min	ASTM D 3895, 200° C; O_2, 1 atm	200,000 lb	>140	>140	>140	>140	>140
TYPICAL ROLL DIMENSIONS							
Roll Length[3], ft (m)	Double-Sided Textured Single-Sided Textured		830 (253) 840 (256)	700 (213) 650 (198)	520 (158) 420 (128)	400 (122) 320 (98)	330 (101) 250 (76)
Roll Width[3], ft (m)			22.5 (6.9)	22.5 (6.9)	22.5 (6.9)	22.5 (6.9)	22.5 (6.9)
Roll Area, ft² (m²)	Double-Sided Textured Single-Sided Textured		18,675 (1,735) 18,900 (1,755)	15,750 (1,463) 14,625 (1,359)	11,700 (1,087) 9,450 (878)	9,000 (836) 7,200 (669)	7,425 (690) 5,625 (523)

NOTES:

- [1]Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be Category 1 or 2. No more than 1 view from Category 3.
- [2]NCTL for GSE HD Textured is conducted on representative smooth membrane samples.
- [3]Roll lengths and widths have a tolerance of ± 1%.
- GSE HD Textured Double-Sided is available in rolls weighing approximately 4,000 lb (1,800 kg) and Single-Sided weighing approximately 3,000 lb (1,360 kg).
- All GSE geomembranes have dimensional stability of ±2% when tested according to ASTM D 1204 and LTB of <-77° C when tested according to ASTM D 746.
- *Modified.

GSHDS 08/17/10

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GSE Roll Allocation

RECEIVED FEB 2 6 2011

Order SO-063624
Customer Chenango Contracting
Project Name Honeywell SCA

ORIGINAL
Diana

Roll#	Resin Lot	Product Code	Mfg Date	Length
102158626	8201494	HDT-060AE-BBB-B-W0	2/2/2011	520
102158630 -	8201494	HDT-060AE-BBB-B-W0	2/3/2011	520
102158632	8201494	HDT-060AE-BBB-B-W0	2/3/2011	520
102158634	8201494	HDT-060AE-BBB-B-W0	2/3/2011	520
102158764 -	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158765	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158766	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158767	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158768	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158769	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158771	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158772	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158773	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158774	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158775	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158776	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158777	8201499	HDT-060AE-BBB-B-W0	2/10/2011	520
102158778	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158779	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158780	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158781	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158782	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158783	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158784	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158785	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158786 -	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158787	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158788	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158789	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158790	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158791	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158792	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158793	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158794	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158795	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158796	8201499	HDT-060AE-BBB-B-W0	2/11/2011	520
102158797	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158798	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158799	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158800	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158801	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520

Order	SO-063624
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Roll#	Resin Lot	Product Code	Mfg Date	Length
102158802	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158803	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158804	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158805	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158806	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158807 -	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158808	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158809	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158810	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158811	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158812	8201499	HDT-060AE-BBB-B-W0	2/12/2011	520
102158813	8201500	HDT-060AE-BBB-B-W0	2/12/2011	520
102158814	8201500	HDT-060AE-BBB-B-W0	2/12/2011	520
102158815	8201500	HDT-060AE-BBB-B-W0	2/12/2011	520
102158816	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158817	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158818	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158819	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158820	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158821	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158822	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158823	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158824	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158825	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158826	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158827	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158828 -	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158829	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158830	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158831	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158832	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158833	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158834	8201500	HDT-060AE-BBB-B-W0	2/13/2011	520
102158835	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158836	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158837	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158838	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158839	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158840	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158841	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158842	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158843	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158844	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520

Order	SO-063624
Customer	Chenango Contracting
Project Name	Honeywell SCA

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Roll#	Resin Lot	Product Code	Mfg Date	Length
102158845	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158850	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158851	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158852	8201500	HDT-060AE-BBB-B-W0	2/14/2011	520
102158853	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158854	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158855	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158856	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158857	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158858	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158859	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158860	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158861	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158862	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158863	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158864	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158865	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158866	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158867	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158868	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158869	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158870	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158871	8201500	HDT-060AE-BBB-B-W0	2/15/2011	520
102158872	8201500	HDT-060AE-BBB-B-W0	2/16/2011	520
102158873	8201500	HDT-060AE-BBB-B-W0	2/16/2011	520
102158874	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158875	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158876	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158877	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158878	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158879	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158880	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158881	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158882	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158883	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158884	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158885	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158886	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158887	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158888	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158889	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158890	8201507	HDT-060AE-BBB-B-W0	2/16/2011	520
102158892	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520

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Roll#	Resin Lot	Product Code	Mfg Date	Length
102158893	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158894 -	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158895	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158896	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158897	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158898	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158899	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158900	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158901	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158902	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158903	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158904	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158905	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158906	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158907	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158908	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158909	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158910	8201507	HDT-060AE-BBB-B-W0	2/17/2011	520
102158911	8201507	HDT-060AE-BBB-B-W0	2/18/2011	520
102158912	8201507	HDT-060AE-BBB-B-W0	2/18/2011	520
102158913	8201507	HDT-060AE-BBB-B-W0	2/18/2011	520

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ROLL TEST DATA REPORT

Report Date: 2/18/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-063624	Chenango Contracting	Solvay NY US	HDT-060AE-BBB-B-W0	

Roll Number	Thickness Average ASTM D5994 (mils)	Thickness Minimum ASTM D5994 (mils)	Yield Strength ASTM D6693 (ppi) MD	Yield Strength ASTM D6693 (ppi) TD	Yield Elongation ASTM D6693 (%) MD	Yield Elongation ASTM D6693 (%) TD	Break Strength ASTM D6693 (ppi) MD	Break Strength ASTM D6693 (ppi) TD	Break Elongation ASTM D6693 (%) MD	Break Elongation ASTM D6693 (%) TD	Tear Resistance ASTM D1004 (lbs) MD	Tear Resistance ASTM D1004 (lbs) TD	Puncture Resistance ASTM D4833(lbs)	Density ASTM D1505 (g/cc)	Carbon Black Content ASTM D4218 (%)	Carbon Black Dispersion ASTM D5596 (Views in Cat1-Cat2)	Asperity Height ASTM D7466 (mils) Side A	Asperity Height ASTM D7466 (mils) Side B
102158626	60	57	163	167	16	16	200	182	554	521	56	54	153	0.945	2.48	10	22	21
102158630 -	60	55	165	174	16	16	194	203	524	587	57	56	152	0.945	2.52	10	23	22
102158632	61	55	165	167	17	17	205	192	562	561	56	54	150	0.946	2.35	10	23	21
102158634	60	55	165	167	17	17	205	192	562	561	56	54	150	0.946	2.35	10	23	23
102158764 -	62	57	168	174	17	17	208	196	570	547	56	54	149	0.945	2.43	10	21	21
102158765	60	56	167	175	17	17	207	200	571	585	58	56	152	0.947	2.45	10	20	21
102158766	60	54	167	175	17	17	207	200	571	585	58	56	152	0.947	2.45	10	20	21
102158767	60	58	167	175	17	17	207	200	571	585	58	56	152	0.947	2.45	10	20	21
102158768	60	55	167	175	17	17	207	200	571	585	58	56	152	0.947	2.45	10	20	21
102158769	61	55	170	174	17	17	208	183	568	477	58	56	151	0.946	2.54	10	20	21
102158771	61	55	170	174	17	17	208	183	568	477	58	56	151	0.946	2.54	10	20	21
102158772	61	55	170	174	17	17	208	183	568	477	58	56	151	0.946	2.54	10	22	22
102158773	60	55	171	175	17	17	195	195	523	551	58	54	152	0.946	2.45	10	22	22
102158774	61	56	171	175	17	17	195	195	523	551	58	54	152	0.946	2.45	10	21	22
102158775	60	56	171	175	17	17	195	195	523	551	58	54	152	0.946	2.45	10	21	22
102158776	61	57	171	175	17	17	195	195	523	551	58	54	152	0.946	2.45	10	20	20
102158777	61	57	167	174	17	17	209	183	577	486	55	53	149	0.946	2.54	10	20	20
102158778	61	58	167	174	17	17	209	183	577	486	55	53	149	0.946	2.54	10	20	20
102158779	61	56	167	174	17	17	209	183	577	486	55	53	149	0.946	2.54	10	20	20
102158780	60	56	167	174	17	17	209	183	577	486	55	53	149	0.946	2.54	10	20	20
102158781	61	57	171	175	17	17	207	189	572	541	57	54	153	0.946	2.54	10	20	20
102158782	60	56	171	175	17	17	207	189	572	541	57	54	153	0.946	2.54	10	20	20
102158783	60	56	171	175	17	17	207	189	572	541	57	54	153	0.946	2.54	10	20	20
102158784	60	55	171	175	17	17	207	189	572	541	57	54	153	0.946	2.54	10	21	22
102158785	61	54	173	175	17	17	201	185	532	539	57	55	155	0.945	2.58	10	21	22
102158786 -	61	57	173	175	17	17	201	185	532	539	57	55	155	0.945	2.58	10	21	21
102158787	60	55	173	175	17	17	201	185	532	539	57	55	155	0.945	2.58	10	21	21
102158788	60	56	173	175	17	17	201	185	532	539	57	55	155	0.945	2.58	10	21	20
102158789	60	55	172	176	17	17	212	198	578	570	59	55	155	0.946	2.55	10	21	20
102158790	60	55	172	176	17	17	212	198	578	570	59	55	155	0.946	2.55	10	20	21
102158791	60	55	172	176	17	17	212	198	578	570	59	55	155	0.946	2.55	10	20	21
102158792	60	55	172	176	17	17	212	198	578	570	59	55	155	0.946	2.55	10	20	20
102158793	61	59	169	171	17	17	209	191	565	547	57	55	147	0.946	2.46	10	20	20
102158794	61	59	169	171	17	17	209	191	565	547	57	55	147	0.946	2.46	10	22	23

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ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 2/18/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-063624	Chenango Contracting	Solvay NY US	HDT-060AE-BBB-B-W0	

Roll Number	Thickness Average ASTM D5994 (mils)	Thickness Minimum ASTM D5994 (mils)	Yield Strength ASTM D6693 (ppi) MD	Yield Strength ASTM D6693 (ppi) TD	Yield Elongation ASTM D6693 (%) MD	Yield Elongation ASTM D6693 (%) TD	Break Strength ASTM D6693 (ppi) MD	Break Strength ASTM D6693 (ppi) TD	Break Elongation ASTM D6693 (%) MD	Break Elongation ASTM D6693 (%) TD	Tear Resistance ASTM D1004 (lbs) MD	Tear Resistance ASTM D1004 (lbs) TD	Puncture Resistance ASTM D4833(lbs)	Density ASTM D1505 (g/cc)	Carbon Black Content ASTM D4218 (%)	Carbon Black Dispersion ASTM D5596 (Views in Cat I-Cat2)	Asperity Height ASTM D7466 (mils) Side A	Asperity Height ASTM D7466 (mils) Side B
102158795	60	57	169	171	17	17	209	191	565	547	57	55	147	0.946	2.46	10	22	23
102158796	61	57	169	171	17	17	209	191	565	547	57	55	147	0.946	2.46	10	22	21
102158797	61	59	166	165	17	17	210	179	562	529	56	52	152	0.946	2.40	10	22	21
102158798	61	58	166	165	17	17	210	179	562	529	56	52	152	0.946	2.40	10	20	20
102158799	61	57	166	165	17	17	210	179	562	529	56	52	152	0.946	2.40	10	20	20
102158800	61	57	166	165	17	17	210	179	562	529	56	52	152	0.946	2.40	10	21	20
102158801	60	57	164	168	17	17	194	181	499	512	61	55	154	0.947	2.54	10	21	20
102158802	61	57	164	168	17	17	194	181	499	512	61	55	154	0.947	2.54	10	21	21
102158803	61	57	164	168	17	17	194	181	499	512	61	55	154	0.947	2.54	10	21	21
102158804	61	55	164	168	17	17	194	181	499	512	61	55	154	0.947	2.54	10	21	21
102158805	60	57	163	170	17	17	196	198	523	574	56	56	153	0.945	2.57	10	21	21
102158806	61	56	163	170	17	17	196	198	523	574	56	56	153	0.945	2.57	10	21	21
102158807	61	56	163	170	17	17	196	198	523	574	56	56	153	0.945	2.57	10	21	21
102158808	61	55	163	170	17	17	196	198	523	574	56	56	153	0.945	2.57	10	22	21
102158809	60	54	160	166	17	17	190	179	521	509	56	52	153	0.945	2.53	10	22	21
102158810	61	57	160	166	17	17	190	179	521	509	56	52	153	0.945	2.53	10	21	21
102158811	61	56	160	166	17	17	190	179	521	509	56	52	153	0.945	2.53	10	21	21
102158812	60	58	160	166	17	17	190	179	521	509	56	52	153	0.945	2.53	10	21	21
102158813	60	55	167	174	17	17	211	174	580	456	57	53	152	0.945	2.45	10	21	21
102158814	60	56	167	174	17	17	211	174	580	456	57	53	152	0.945	2.45	10	21	22
102158815	60	57	167	174	17	17	211	174	580	456	57	53	152	0.945	2.45	10	21	22
102158816	61	56	167	174	17	17	211	174	580	456	57	53	152	0.945	2.45	10	21	20
102158817	60	56	169	163	16	17	177	212	501	576	56	54	154	0.945	2.49	10	21	20
102158818	61	55	169	163	16	17	177	212	501	576	56	54	154	0.945	2.49	10	21	20
102158819	61	55	169	163	16	17	177	212	501	576	56	54	154	0.945	2.49	10	21	20
102158820	61	57	169	163	16	17	177	212	501	576	56	54	154	0.945	2.49	10	21	21
102158821	61	58	160	169	17	17	202	184	560	544	56	53	154	0.945	2.58	10	21	21
102158822	61	56	160	169	17	17	202	184	560	544	56	53	154	0.945	2.58	10	21	21
102158823	61	56	160	169	17	17	202	184	560	544	56	53	154	0.945	2.58	10	21	21
102158824	61	56	160	169	17	17	202	184	560	544	56	53	154	0.945	2.58	10	21	21
102158825	61	56	164	159	17	17	200	180	542	537	56	53	151	0.945	2.64	10	21	21
102158826	61	57	164	159	17	17	200	180	542	537	56	53	151	0.945	2.64	10	21	21
102158827	61	57	164	159	17	17	200	180	542	537	56	53	151	0.945	2.64	10	21	21
102158828	61	55	164	159	17	17	200	180	542	537	56	53	151	0.945	2.64	10	21	21

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GSE Lining Technology, LLC

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 2/18/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-063624	Chenango Contracting	Solvay NY US	HDT-060AE-BBB-B-W0	

Roll Number	Thickness Average ASTM D5994 (mils)	Thickness Minimum ASTM D5994 (mils)	Yield Strength ASTM D6693 (ppi) MD	Yield Strength ASTM D6693 (ppi) TD	Yield Elongation ASTM D6693 (%) MD	Yield Elongation ASTM D6693 (%) TD	Break Strength ASTM D6693 (ppi) MD	Break Strength ASTM D6693 (ppi) TD	Break Elongation ASTM D6693 (%) MD	Break Elongation ASTM D6693 (%) TD	Tear Resistance ASTM D1004 (lbs) MD	Tear Resistance ASTM D1004 (lbs) TD	Puncture Resistance ASTM D4833(lbs)	Density ASTM D1505 (g/cc)	Carbon Black Content ASTM D4218 (%)	Carbon Black Dispersion ASTM D5596 (Views in Cat1-Cat2)	Asperity Height ASTM D7466 (mils) Side A	Asperity Height ASTM D7466 (mils) Side B
102158829	61	55	160	164	17	16	204	184	552	548	56	53	153	0.945	2.65	10	21	21
102158830	60	57	160	164	17	16	204	184	552	548	56	53	153	0.945	2.65	10	21	21
102158831	60	55	160	164	17	16	204	184	552	548	56	53	153	0.945	2.65	10	21	21
102158832	60	55	160	164	17	16	204	184	552	548	56	53	153	0.945	2.65	10	21	21
102158833	61	55	161	169	17	16	215	200	595	565	55	53	151	0.945	2.58	10	21	21
102158834	61	56	161	169	17	16	215	200	595	565	55	53	151	0.945	2.58	10	21	20
102158835	60	56	161	169	17	16	215	200	595	565	55	53	151	0.945	2.58	10	21	20
102158836	60	55	161	169	17	16	215	200	595	565	55	53	151	0.945	2.58	10	21	21
102158837	61	55	169	175	17	17	202	203	529	559	57	55	150	0.945	2.51	10	21	21
102158838	60	55	169	175	17	17	202	203	529	559	57	55	150	0.945	2.51	10	21	21
102158839	60	56	169	175	17	17	202	203	529	559	57	55	150	0.945	2.51	10	21	21
102158840	61	56	169	175	17	17	202	203	529	559	57	55	150	0.945	2.51	10	22	21
102158841	61	56	161	169	18	17	194	191	471	550	56	56	152	0.944	2.62	10	22	21
102158842	61	59	161	169	18	17	194	191	471	550	56	56	152	0.944	2.62	10	21	22
102158843	61	55	161	169	18	17	194	191	471	550	56	56	152	0.944	2.62	10	21	22
102158844	61	57	161	169	18	17	194	191	471	550	56	56	152	0.944	2.62	10	23	19
102158845	61	56	156	160	17	17	162	124	327	124	55	52	144	0.944	2.53	10	23	19
102158850	61	56	161	164	17	17	213	187	576	534	57	52	151	0.944	2.54	10	21	21
102158851-	61	55	161	164	17	17	213	187	576	534	57	52	151	0.944	2.54	10	21	21
102158852	60	55	161	164	17	17	213	187	576	534	57	52	151	0.944	2.54	10	21	21
102158853	60	55	167	164	17	17	207	190	563	529	56	53	150	0.944	2.40	10	20	20
102158854	60	55	167	164	17	17	207	190	563	529	56	53	150	0.944	2.40	10	20	20
102158855	60	56	167	164	17	17	207	190	563	529	56	53	150	0.944	2.40	10	21	21
102158856	61	55	167	164	17	17	207	190	563	529	56	53	150	0.944	2.40	10	21	21
102158857	60	56	159	163	17	17	203	187	539	533	57	56	153	0.946	2.72	10	20	20
102158858	60	55	159	163	17	17	203	187	539	533	57	56	153	0.946	2.72	10	20	20
102158859	60	55	159	163	17	17	203	187	539	533	57	56	153	0.946	2.72	10	21	21
102158860	60	55	159	163	17	17	203	187	539	533	57	56	153	0.946	2.72	10	21	21
102158861	61	54	166	167	17	17	214	192	559	544	59	57	151	0.945	2.56	10	20	22
102158862	61	58	166	167	17	17	214	192	559	544	59	57	151	0.945	2.56	10	20	22
102158863	60	54	166	167	17	17	214	192	559	544	59	57	151	0.945	2.56	10	19	21
102158864	60	54	166	167	17	17	214	192	559	544	59	57	151	0.945	2.56	10	19	21
102158865	61	55	162	166	17	17	209	193	580	563	57	54	149	0.945	2.41	10	21	20
102158866	60	55	162	166	17	17	209	193	580	563	57	54	149	0.945	2.41	10	21	20

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GSE Lining Technology, LLC

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 2/18/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-063624	Chenango Contracting	Solvay NY US	HDT-060AE-BBB-B-W0	

Roll Number	Thickness Average ASTM D5994 (mils)	Thickness Minimum ASTM D5994 (mils)	Yield Strength ASTM D6693 (ppi) MD	Yield Strength ASTM D6693 (ppi) TD	Yield Elongation ASTM D6693 (%) MD	Yield Elongation ASTM D6693 (%) TD	Break Strength ASTM D6693 (ppi) MD	Break Strength ASTM D6693 (ppi) TD	Break Elongation ASTM D6693 (%) MD	Break Elongation ASTM D6693 (%) TD	Tear Resistance ASTM D1004 (lbs) MD	Tear Resistance ASTM D1004 (lbs) TD	Puncture Resistance ASTM D4833(lbs)	Density ASTM D1505 (g/cc)	Carbon Black Content ASTM D4218 (%)	Carbon Black Dispersion ASTM D5596 (Views in Cat1-Cat2)	Asperity Height ASTM D7466 (mils) Side A	Asperity Height ASTM D7466 (mils) Side B
102158867	60	54	162	166	17	17	209	193	580	563	57	54	149	0.945	2.41	10	21	21
102158868	61	58	162	166	17	17	209	193	580	563	57	54	149	0.945	2.41	10	21	21
102158869	61	58	163	164	17	17	194	185	523	532	56	55	152	0.945	2.48	10	20	20
102158870	60	57	163	164	17	17	194	185	523	532	56	55	152	0.945	2.48	10	20	20
102158871	61	57	163	164	17	17	194	185	523	532	56	55	152	0.945	2.48	10	21	21
102158872	60	57	163	164	17	17	194	185	523	532	56	55	152	0.945	2.48	10	21	21
102158873	61	57	163	165	17	17	191	185	519	535	55	53	152	0.945	2.48	10	20	20
102158874	60	57	163	165	17	17	191	185	519	535	55	53	152	0.945	2.48	10	20	20
102158875	60	57	163	165	17	17	191	185	519	535	55	53	152	0.945	2.48	10	21	20
102158876	60	57	163	165	17	17	191	185	519	535	55	53	152	0.945	2.48	10	21	20
102158877	60	57	167	171	17	17	199	195	529	557	56	57	152	0.945	2.51	10	21	20
102158878	61	56	167	171	17	17	199	195	529	557	56	57	152	0.945	2.51	10	21	20
102158879	60	55	167	171	17	17	199	195	529	557	56	57	152	0.945	2.51	10	21	20
102158880	60	58	167	171	17	17	199	195	529	557	56	57	152	0.945	2.51	10	21	20
102158881	60	54	167	171	17	17	199	195	529	557	56	57	152	0.945	2.51	10	21	20
102158882	61	55	161	163	17	17	194	173	544	501	56	55	148	0.945	2.65	10	20	20
102158883	61	55	161	163	17	17	194	173	544	501	56	55	148	0.945	2.65	10	20	20
102158884	60	56	161	163	17	17	194	173	544	501	56	55	148	0.945	2.65	10	20	20
102158885	61	55	161	163	17	16	198	196	540	583	58	58	149	0.945	2.62	10	20	20
102158886	60	55	161	163	17	16	198	196	540	583	58	58	149	0.945	2.62	10	20	20
102158887	60	56	161	163	17	16	198	196	540	583	58	58	149	0.945	2.62	10	20	20
102158888	60	56	161	163	17	16	198	196	540	583	58	58	149	0.945	2.62	10	20	20
102158889	60	56	156	160	17	17	193	181	546	535	54	54	147	0.945	2.54	10	20	20
102158890	60	56	156	160	17	17	193	181	546	535	54	54	147	0.945	2.54	10	20	20
102158892	60	57	156	160	17	17	193	181	546	535	54	54	147	0.945	2.54	10	21	21
102158893	60	56	162	168	17	17	195	178	560	516	55	56	148	0.945	2.63	10	20	21
102158894	61	56	162	168	17	17	195	178	560	516	55	56	148	0.945	2.63	10	20	21
102158895	60	56	162	168	17	17	195	178	560	516	55	56	148	0.945	2.63	10	22	21
102158896	60	56	162	168	17	17	195	178	560	516	55	56	148	0.945	2.63	10	22	21
102158897	61	55	162	168	17	17	188	171	496	438	58	55	151	0.945	2.46	10	22	21
102158898	61	56	162	168	17	17	188	171	496	438	58	55	151	0.945	2.46	10	22	21
102158899	61	56	162	168	17	17	188	171	496	438	58	55	151	0.945	2.46	10	22	22
102158900	61	57	162	168	17	17	188	171	496	438	58	55	151	0.945	2.46	10	22	22
102158901	61	57	168	173	17	17	193	178	541	508	59	58	147	0.945	2.43	10	21	21

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GSE Lining Technology, LLC

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 2/18/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-063624	Chenango Contracting	Solvay NY US	HDT-060AE-BBB-B-W0	

Roll Number	Thickness Average ASTM D5994 (mils)	Thickness Minimum ASTM D5994 (mils)	Yield Strength ASTM D6693 (ppi) MD	Yield Strength ASTM D6693 (ppi) TD	Yield Elongation ASTM D6693 (%) MD	Yield Elongation ASTM D6693 (%) TD	Break Strength ASTM D6693 (ppi) MD	Break Strength ASTM D6693 (ppi) TD	Break Elongation ASTM D6693 (%) MD	Break Elongation ASTM D6693 (%) TD	Tear Resistance ASTM D1004 (lbs) MD	Tear Resistance ASTM D1004 (lbs) TD	Puncture Resistance ASTM D4833(lbs)	Density ASTM D1505 (g/cc)	Carbon Black Content ASTM D4218 (%)	Carbon Black Dispersion ASTM D5596 (Views in Cat1-Cat2)	Asperity Height ASTM D7466 (mils) Side A	Asperity Height ASTM D7466 (mils) Side B
102158902	61	56	168	173	17	17	193	178	541	508	59	58	147	0.945	2.43	10	21	21
102158903	61	55	168	173	17	17	193	178	541	508	59	58	147	0.945	2.43	10	21	21
102158904	61	56	168	173	17	17	193	178	541	508	59	58	147	0.945	2.43	10	21	21
102158905	60	55	162	161	16	16	185	199	549	531	57	57	148	0.945	2.36	10	21	21
102158906	61	56	162	161	16	16	185	199	549	531	57	57	148	0.945	2.36	10	21	21
102158907	60	56	162	161	16	16	185	199	549	531	57	57	148	0.945	2.36	10	21	21
102158908	60	54	162	161	16	16	185	199	549	531	57	57	148	0.945	2.36	10	21	21
102158909	60	56	166	164	16	16	202	172	564	526	57	56	151	0.945	2.37	10	21	20
102158910	61	55	166	164	16	16	202	172	564	526	57	56	151	0.945	2.37	10	21	20
102158911	60	56	166	164	16	16	202	172	564	526	57	56	151	0.945	2.37	10	20	22
102158912	60	55	166	164	16	16	202	172	564	526	57	56	151	0.945	2.37	10	20	22
102158913	60	56	157	161	17	16	202	188	558	560	57	55	148	0.945	2.35	10	20	20

Laboratory Manager Jane Allen

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100-mil

Geosyntec consultants

Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gml : 3 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** HDS-100AE-BBB-B-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
Accepted Rolls												
5/23/2011	11A1028-101159540	22.5	520	BB					5/18/2011	6/15/2011	p	BB
10/1/2011	8210420-193285	22.5	207	DWH					9/14/2011	9/21/2011	p	DB

Average Roll Width(ft.): 22 ***Average Roll Length(ft.): 364***

Total Number of Rolls: 2 ***Cumulative Area(sq.ft.): 16357.5***

Total Number of Conformance Tests: 0

Comments:

GSE Roll Allocation

Order	SO-064399
Customer	Chenango Contracting
Project Name	Chenango Honeywell Sediment

Roll#	Resin Lot	Product Code	Mfg Date	Length
101159540	11A1028	HDS-100AE-BBB-B-00	2/18/2011	340

GSE Lining Technology, LLC

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 5/11/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064399	Chenango Contracting	Syracuse NY US	HDS-100AE-BBB-B-00	

Roll Number	Thickness Average ASTM D5199 (mils)	Thickness Minimum ASTM D5199 (mils)	Yield Strength ASTM D6693 (ppi) MD	Yield Strength ASTM D6693 (ppi) TD	Yield Elongation ASTM D6693 (%) MD	Yield Elongation ASTM D6693 (%) TD	Break Strength ASTM D6693 (ppi) MD	Break Strength ASTM D6693 (ppi) TD	Break Elongation ASTM D6693 (%) MD	Break Elongation ASTM D6693 (%) TD	Tear Resistance ASTM D1004 (lbs) MD	Tear Resistance ASTM D1004 (lbs) TD	Puncture Resistance ASTM D4833(lbs)	Density ASTM D1505 (g/cc)	Carbon Black Content ASTM D4218 (%)	Carbon Black Dispersion ASTM D5596 (Views in Cat1-Cat2)
101159540	102	97	224	233	18	17	454	494	830	945	80	77	202	0.943	2.33	10

Laboratory Manager Jane Allen

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Report Date
10/17/2011

Quality Assurance Laboratory Test Results

Job Name: Honeywell SCA
Sales Order: 64399

Required Testing: ASTM D 3895 -- Standard Test Method for Oxidative Induction Time of Polyolefins by Differential Scanning Calorimetry
ASTM D 5397 -- Standard Test Method for Evaluation of Stress Crack Resistance of Polyolefin Geomembranes Using Notched Constant Tensile Load Test

Frequency: D 3895 - 1/Resin Lot
D 5397 - 1/Resin Lot

Criteria: D 3895 - 140 Minutes
D 5397 - 1000 Hours

Product Code	Resin Lot Number	Test Results
HDS-100AE-BBB-B-00	11A1028	PASS

Approved By: Mike Emery
Date Approved: May 11, 2011

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Formosa Plastics

FORMOSA PLASTICS CORPORATION, TEXAS
FORMOSA DRIVE
BOX 700
POINT COMFORT TX 77978
PHONE:(888)FPCUSA3

Certificate of Analysis

CUSTOMER:GSE LINING TECHNOLOGY, INC.
UP TRACK 14732 WESTFIELD
HOUSTON TX 77070
PRODUCT :DF3812A
RAILCAR FPAX970299

S/O NO : EL1A711
CUSTOMER PO : 03-064540
DATE SHIPPED: 2/01/11
LOT NO : 11A1028
WEIGHT : 191,300.00
CUSTID:FT03112 SPIDM4

TEST ITEM	REFERENCE METHOD	TEST VALUE
Melt Index,g/10min	ASTM D1238	.070
HLMI, g/10 min.	ASTM D1238	11.3
Density, g/cm3	ASTM D1505	.9369

QC SUPERVISOR: JESSE CHANG

SOLMAX INTERNATIONAL
2801, Boul. Marie-Victorin
Varennes, Quebec, Canada, J3X 1P7
Tel.: 1-450-929-1234
Tel.: 1-800-571-3904
Fax: 1-450-929-2547

List of Geomembrane Rolls

MF-CQ-05
Rev 08/31 mars 2005

Solmax ACCEPTED Quality Department

Project Name : ~~MONTGOMERY, PA~~

Project Number : 2138

Reference Number : 103906

Invoice Number : 209233

Roll Number	Product Code	Resin Lot Number	Manufactured Date	SP-NCTL ASTM D5397 (hr) Specification	Result	Roll Tested
~~1-93275~~	~~SOLMAX 500T-1003~~	~~8210420~~	~~26-juin-11~~	~~>400~~	~~In Progress...~~	~~1-93250~~
~~1-93276~~	~~SOLMAX 500T-1003~~	~~8210420~~	~~26-juin-11~~	~~>400~~	~~In Progress...~~	~~1-93250~~
~~1-93277~~	~~SOLMAX 500T-1003~~	~~8210420~~	~~26-juin-11~~	~~>400~~	~~In Progress...~~	~~1-93250~~
~~1-93278~~	~~SOLMAX 500T-1003~~	~~8210420~~	~~26-juin-11~~	~~>400~~	~~In Progress...~~	~~1-93250~~
~~1-93279~~	~~SOLMAX 500T-1003~~	~~8210420~~	~~26-juin-11~~	~~>400~~	~~In Progress...~~	~~1-93250~~
~~1-93280~~	~~SOLMAX 500T-1003~~	~~8210420~~	~~26-juin-11~~	~~>400~~	~~In Progress...~~	~~1-93250~~
~~1-93281~~	~~SOLMAX 500T-1003~~	~~8210420~~	~~27-juin-11~~	~~>400~~	~~In Progress...~~	~~1-93250~~
~~1-93282~~	~~SOLMAX 500T-1003~~	~~8210420~~	~~27-juin-11~~	~~>400~~	~~In Progress...~~	~~1-93250~~
~~1-93283~~	~~SOLMAX 500T-1003~~	~~8210420~~	~~27-juin-11~~	~~>400~~	~~In Progress...~~	~~1-93250~~
~~1-93284~~	~~SOLMAX 500T-1003~~	~~8210420~~	~~27-juin-11~~	~~>400~~	~~In Progress...~~	~~1-93250~~
✓ 1-93285	SOLMAX 500T-1003	8210420	27-juin-11	>400	In Progress...	1-93250 *
~~1-93286~~	~~SOLMAX 500T-1003~~	~~8210420~~	~~27-juin-11~~	~~>400~~	~~In Progress...~~	~~1-93250~~

Quantity (rolls) : 12

* Please provide copy of results

Resin Certification

Resin Lot	Melt index ASTM D1238 g/10min	Density ASTM D1505 g/cc	OIT ASTM D3895 min	HP-OIT ASTM D5885 min
✓ 8210420	0.090	0.938	120	N/A

CoA Date: 04/21/2011

Certificate of Analysis

Shipped To: SOLMAX
2801 BOUL MARIE-VICTORIN
VARENNES QC J3X 1P7
CANADA

Recipient: Giguere
Fax:

CPC Delivery #: 88250093
PO #: 107198-0
Weight: 186100 LB
Ship Date: 04/21/2011
Package: BULK
Mode: Hopper Car
Car #: CITX703251
Seal No: 269113

Product:
MARLEX POLYETHYLENE K306 BULK
OIT>120 minutes (nominal value, not tested on every lot).

Lot Number: 8210420 ✓

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.090	g/10mi
HLMI Flow Rate	ASTM D1238	11.20	g/10mi
Density	D1505 or D4883	0.9380	g/cm3
Production Date		04/04/2011	

The data set forth herein have been carefully compiled by Chevron Phillips Chemical Company LP.
However, there is no warranty of any kind, either expressed or implied, applicable to its use, and the user assumes all risk and liability in connection therewith.

Chantal Gagnon
2011.05.03
12:46:09 -04'00'

Troy Griffin
Quality Systems Coordinator

For CoA questions contact Customer Service Representative at 800-231-1212

SOLMAX
2801, Boul. Marie-Victorin
Varennes, Quebec, Canada, J3X 1P7
Tel.: 1-450-929-1234
Tel.: 1-800-571-3904
Fax: 1-450-929-2547

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SEP - 7 2011
PARSONS

Manufacturing Quality Control Test Results - Rolls

MQC-03-11
Rev. 04/ 10-17-04

Project Name : ~~MONTGOMERY, PA~~
Project Number : 2138
Ref. Number : 103906 *Invoice Number :* 209233

Product : Solmax 500T-1003

Properties		Thickness ave / min.	Geomembrane Density	Carbon Black Content	Carbon Black Dispersion	Yield Strength	Yield Elong.	Break Strength	Break Elong.	Tear Resistance	Puncture Resistance	Dimension. Stability	Asperity Height in / out
Unit		mils	g/cc	%	Cat. 1 and Cat. 2	ppi	%	ppi	%	lbs	lbs	%	mils
Test Method		D5994	D1505/D792	D4218	D5596	D6693 Résistance tension (D 638, Type IV)				D1004	D4833	D1204	ASTM D-7466
Frequency		Each roll	1/2 ro	1/2 ro	50,000 sf	✓ 50,000 sf		✓	✓	50,000 sf	50,000 sf	1/6 ro	Each roll
Specification		✓ 95 / 85	✓ > 0.94	✓ >2.0/<3.0	Cat. 1 Cat. 2	210	12	150	100	70	150	± 2	15
~~1-93275~~	MD ~~XD~~	~~97 / 94~~	~~0.946~~	~~2.6~~	~~10 /10 Views~~	~~248.4~~ ~~260.6~~	~~17.2~~ ~~15.8~~	~~299~~ ~~286~~	529 ~~534~~	~~83.3~~ ~~81.0~~	~~208.6~~	~~-0.32~~ ~~0.02~~	~~17.4 / 17.0~~
~~1-93276~~	MD ~~XD~~	~~97 / 93~~	~~0.946~~	~~2.6~~	~~10 /10 Views~~	~~248.4~~ ~~260.6~~	~~17.2~~ ~~15.8~~	~~299~~ ~~285~~	~~529~~ ~~534~~	~~83.3~~ ~~81.0~~	208.6	~~-0.32~~ ~~0.02~~	~~17.0 / 17.0~~
~~1-93277~~	MD ~~XD~~	~~97 / 95~~	~~0.945~~	2.6	~~10 /10 Views~~	~~248.4~~ ~~260.6~~	~~17.2~~ ~~15.8~~	~~299~~ ~~285~~	~~529~~ ~~534~~	~~83.3~~ ~~81.0~~	~~208.6~~	~~-0.32~~ ~~0.02~~	~~17.3 / 17.7~~
~~1-93278~~	MD ~~XD~~	~~96 / 93~~	~~0.945~~	2.6	~~10 /10 Views~~	~~248.4~~ 269.6	~~17.2~~ ~~15.8~~	~~299~~ ~~285~~	~~529~~ ~~534~~	~~83.3~~ ~~81.0~~	208.6	~~-0.32~~ ~~0.02~~	~~16.5 / 17.5~~
~~1-93279~~	MD ~~XD~~	~~96 / 91~~	~~0.945~~	~~2.5~~	~~10 /10 Views~~	248.4 260.6	~~17.2~~ ~~15.8~~	~~299~~ ~~285~~	~~529~~ ~~534~~	83.3 ~~81.0~~	~~208.6~~	~~-0.32~~ ~~0.02~~	~~17.1 / 17.3~~
~~1-93280~~	MD XD	~~96 / 91~~	~~0.945~~	~~2.5~~	10 /10 Views	~~251.2~~ ~~262.7~~	~~16.9~~ 16.0	~~287~~ 302	~~500~~ ~~562~~	~~83.4~~ ~~81.3~~	~~209.8~~	-0.32 -0.02	~~17.1 / 17.4~~
~~1-93281~~	~~MD~~ ~~XD~~	~~96 / 92~~	~~0.945~~	~~2.5~~	10 /10 Views	~~251.2~~ ~~262.7~~	~~16.9~~ ~~16.0~~	~~287~~ ~~302~~	500 ~~562~~	~~83.4~~ ~~81.3~~	~~209.8~~	~~-0.32~~ ~~-0.02~~	~~17.3 / 17.6~~
~~1-93282~~	~~MD~~ ~~XD~~	~~95 / 92~~	0.945	2.6	~~10 /10 Views~~	~~251.2~~ ~~262.7~~	~~16.9~~ ~~16.0~~	287 ~~302~~	500 ~~562~~	~~83.4~~ ~~81.3~~	209.8	-0.32 ~~-0.02~~	~~17.1 / 18.1~~
~~1-93283~~	~~MD~~ ~~XD~~	~~95 / 93~~	~~0.945~~	~~2.6~~	~~10 /10 Views~~	~~251.2~~ ~~262.7~~	~~16.9~~ ~~16.0~~	287 ~~302~~	~~500~~ ~~562~~	~~83.4~~ ~~81.3~~	~~209.8~~	~~-0.32~~ ~~-0.02~~	~~17.7 / 17.8~~
~~1-93284~~	MD XD	~~96 / 93~~	0.945	~~2.5~~	~~10~~ /10 Views	~~251.2~~ ~~262.7~~	~~16.9~~ ~~16.0~~	~~287~~ ~~302~~	~~500~~ ~~562~~	~~83.4~~ ~~81.3~~	209.8	~~-0.32~~ ~~-0.02~~	~~17.3 / 17.5~~
1-93285	MD XD	✓ 96 / 92	✓ 0.945	✓ 2.6	✓ 10 /10 Views	251.2 262.7	16.9 16.0	✓ 287 302	✓ 500 562	✓ 83.4 81.3	✓ 209.8	-0.32 -0.02	✓ 17.3 / 17.6
~~1-93286~~	MD XD	~~96 / 93~~	0.945	~~2.5~~	~~10~~ /10 Views	~~251.2~~ ~~262.7~~	~~16.9~~ ~~16.0~~	~~287~~ ~~302~~	500 ~~562~~	~~83.4~~ ~~81.3~~	209.8	~~-0.32~~ ~~-0.02~~	~~17.6 / 17.2~~

Reference industry standard GRI GM13 as a guide

DK
JDB

Geotextile

Geosyntec consultants

Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
Accepted Rolls												
10/3/2011	130394831	15	198	DWH					8/1/2011	8/1/2011	p	DWH
8/1/2011	130401690	15	198	DWH	8/1/2011	GT-05		BB	8/1/2011	8/1/2011	P	DWH
8/1/2011	130401691	15	198	DWH					8/1/2011	8/1/2011	P	DWH
8/1/2011	130401692	15	198	DWH								
8/1/2011	130401693	15	198	DWH								
8/1/2011	130401694	15	198	DWH								
8/1/2011	130401695	15	198	DWH								
8/1/2011	130401696	15	198	DWH								
8/1/2011	130401697	15	198	DWH								
8/1/2011	130401698	15	198	DWH								
8/1/2011	130401699	15	198	DWH								
8/1/2011	130401700	15	198	DWH								
8/1/2011	130401701	15	198	DWH								
8/1/2011	130401702	15	198	DWH								
8/1/2011	130401703	15	198	DWH								
8/1/2011	130401704	15	198	DWH								
8/1/2011	130401705	15	198	DWH								
8/1/2011	130401706	15	198	DWH								
8/1/2011	130401707	15	198	DWH								
8/1/2011	130401708	15	198	DWH								
7/25/2011	130401709	15	198	DWH								
8/1/2011	130401710	15	198	DWH								
7/25/2011	130401711	15	198	DWH								
8/1/2011	130401712	15	198	DWH								
8/1/2011	130401713	15	198	DWH								
8/1/2011	130401714	15	198	DWH								
8/1/2011	130401715	15	198	DWH								
8/1/2011	130401716	15	198	DWH								
7/25/2011	130401717	15	198	DWH								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
8/1/2011	130401718	15	198	DWH								
7/25/2011	130401719	15	198	DWH								
7/25/2011	130401720	15	198	DWH								
7/25/2011	130401721	15	198	DWH					7/25/2011	7/25/2011	P	DWH
7/25/2011	130401722	15	198	DWH								
7/25/2011	130401723	15	198	DWH								
7/25/2011	130401724	15	198	DWH								
7/25/2011	130401725	15	198	DWH								
7/25/2011	130401726	15	198	DWH								
7/25/2011	130401727	15	198	DWH								
7/25/2011	130401728	15	198	DWH								
7/25/2011	130401729	15	198	DWH								
7/25/2011	130401730	15	198	DWH								
7/25/2011	130401731	15	198	DWH								
7/25/2011	130401732	15	198	DWH								
7/25/2011	130401733	15	198	DWH								
7/25/2011	130401734	15	198	DWH								
7/25/2011	130401735	15	198	DWH								
7/25/2011	130401736	15	198	DWH								
7/25/2011	130401737	15	198	DWH								
7/25/2011	130401738	15	198	DWH								
7/25/2011	130401739	15	198	DWH								
7/25/2011	130401740	15	198	DWH								
7/25/2011	130401741	15	198	DWH								
7/25/2011	130401742	15	198	DWH								
7/25/2011	130401743	15	198	DWH								
7/25/2011	130401744	15	198	DWH								
7/25/2011	130401745	15	198	DWH								
7/25/2011	130401746	15	198	DWH								
7/25/2011	130401747	15	198	DWH								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
7/25/2011	130401748	15	198	DWH								
7/25/2011	130401749	15	198	DWH								
7/25/2011	130401750	15	198	DWH								
7/21/2011	130401751	15	198	DWM					9/7/2011	9/7/2011	P	DWH
7/21/2011	130401752	15	198	DWM								
7/21/2011	130401753	15	198	DWM								
7/21/2011	130401754	15	198	DWM								
7/21/2011	130401755	15	198	DWM								
7/21/2011	130401756	15	198	DWM								
7/21/2011	130401757	15	198	DWM								
7/21/2011	130401758	15	198	DWM								
7/25/2011	130401759	15	198	DWH								
7/25/2011	130401760	15	198	DWH								
7/25/2011	130401761	15	198	DWH								
7/25/2011	130401762	15	198	DWH								
7/25/2011	130401763	15	198	DWH								
7/25/2011	130401764	15	198	DWH								
7/25/2011	130401765	15	198	DWH								
7/25/2011	130401766	15	198	DWH								
7/25/2011	130401767	15	198	DWH								
7/25/2011	130401768	15	198	DWH								
7/25/2011	130401769	15	198	DWH								
8/1/2011	130401770	15	198	DWH								
7/25/2011	130401771	15	198	DWH								
7/25/2011	130401772	15	198	DWH								
8/1/2011	130401773	15	198	DWH								
7/21/2011	130401774	15	198	DWM	7/22/2011	GT-04	P	DWM				
7/21/2011	130401775	15	198	DWM								
7/21/2011	130401776	15	198	DWM								
7/25/2011	130401777	15	198	DWH								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
7/25/2011	130401778	15	198	DWH								
7/25/2011	130401779	15	198	DWH								
7/21/2011	130401780	15	198	DWM								
7/25/2011	130401781	15	198	DWH					7/25/2011	7/25/2011	P	DWH
7/21/2011	130401782	15	198	DWM								
7/25/2011	130401783	15	198	DWH								
7/21/2011	130401784	15	198	DWM								
7/21/2011	130401785	15	198	DWM								
7/21/2011	130401786	15	198	DWM								
7/21/2011	130401787	15	198	DWM								
7/21/2011	130401788	15	198	DWM								
7/25/2011	130401789	15	198	DWH								
7/21/2011	130401790	15	198	DWM								
7/21/2011	130401791	15	198	DWM								
7/21/2011	130401792	15	198	DWM								
7/21/2011	130401793	15	198	DWM								
7/21/2011	130401794	15	198	DWM								
7/21/2011	130401795	15	198	DWM								
7/21/2011	130401796	15	198	DWM								
7/21/2011	130401797	15	198	DWM								
7/21/2011	130401798	15	198	DWM								
7/21/2011	130401799	15	198	DWM								
7/21/2011	130401800	15	198	DWM								
7/21/2011	130401801	15	198	DWM								
7/21/2011	130401802	15	198	DWM								
7/21/2011	130401803	15	198	DWM								
7/21/2011	130401804	15	198	DWM								
7/21/2011	130401805	15	198	DWM								
7/21/2011	130401806	15	198	DWM								
7/21/2011	130401807	15	198	DWM								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
7/21/2011	130401808	15	198	DWM								
7/21/2011	130401809	15	198	DWM								
7/21/2011	130401810	15	198	DWM								
7/21/2011	130401811	15	198	DWM					9/7/2011	9/7/2011	P	DWH
7/21/2011	130401812	15	198	DWM								
7/21/2011	130401813	15	198	DWM								
7/21/2011	130401814	15	198	DWM								
7/21/2011	130401815	15	198	DWM								
7/21/2011	130401816	15	198	DWM								
7/21/2011	130401817	15	198	DWM								
7/21/2011	130401818	15	198	DWM								
7/21/2011	130401819	15	198	DWM								
7/21/2011	130401820	15	198	DWM								
7/21/2011	130401821	15	198	DWM								
7/21/2011	130401822	15	198	DWM								
7/21/2011	130401823	15	198	DWM								
7/21/2011	130401824	15	198	DWM								
7/21/2011	130401825	15	198	DWM								
7/21/2011	130401826	15	198	DWM								
7/21/2011	130401827	15	198	DWM								
7/21/2011	130401828	15	198	DWM								
7/21/2011	130401829	15	198	DWM								
7/21/2011	130401830	15	198	DWM								
7/21/2011	130401831	15	198	DWM								
7/21/2011	130401832	15	198	DWM								
7/21/2011	130401833	15	198	DWM								
7/21/2011	130401834	15	198	DWM								
7/21/2011	130401835	15	198	DWM								
7/21/2011	130401836	15	198	DWM								
7/21/2011	130401837	15	198	DWM								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
7/21/2011	130401838	15	198	DWM								
7/21/2011	130401839	15	198	DWM								
7/21/2011	130401840	15	198	DWM								
7/21/2011	130401841	15	198	DWM					9/7/2011	9/7/2011	P	DWH
7/21/2011	130401842	15	198	DWM								
7/21/2011	130401843	15	198	DWM								
7/21/2011	130401844	15	198	DWM								
7/21/2011	130401845	15	198	DWM								
7/21/2011	130401846	15	198	DWM								
7/21/2011	130401847	15	198	DWM								
7/21/2011	130401848	15	198	DWM								
7/21/2011	130401849	15	198	DWM								
7/21/2011	130401850	15	198	DWM								
7/21/2011	130401851	15	198	DWM								
7/21/2011	130401852	15	198	DWM								
7/21/2011	130401853	15	198	DWM								
7/21/2011	130401854	15	198	DWM								
7/21/2011	130401855	15	198	DWM								
7/21/2011	130401856	15	198	DWM								
7/21/2011	130401857	15	198	DWM	7/21/2011	GT-03	P	DWM				
7/21/2011	130401858	15	198	DWM								
7/21/2011	130401859	15	198	DWM								
7/21/2011	130401860	15	198	DWM								
7/21/2011	130401861	15	198	DWM								
7/21/2011	130401862	15	198	DWM								
7/21/2011	130401863	15	198	DWM								
7/21/2011	130401864	15	198	DWM								
7/21/2011	130401865	15	198	DWM								
7/21/2011	130401866	15	198	DWM								
7/21/2011	130401867	15	198	DWM								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
7/21/2011	130401868	15	198	DWM								
7/21/2011	130401869	15	198	DWM								
7/21/2011	130401870	15	198	DWM								
7/21/2011	130401871	15	198	DWM								
7/21/2011	130401872	15	198	DWM					9/7/2011	9/7/2011	P	DWH
7/21/2011	130401873	15	198	DWM								
7/20/2011	130401874	15	198	DWM								
7/21/2011	130401875	15	198	DWM								
7/21/2011	130401876	15	198	DWM								
7/21/2011	130401877	15	198	DWM								
7/21/2011	130401878	15	198	DWM								
7/20/2011	130401879	15	198	DWM								
7/20/2011	130401880	15	198	DWM								
7/20/2011	130401881	15	198	DWM								
7/20/2011	130401882	15	198	DWM								
7/20/2011	130401883	15	198	DWM								
10/3/2011	130401884	15	198	DWH								
7/20/2011	130401885	15	198	DWM								
7/20/2011	130401886	15	198	DWM								
7/20/2011	130401887	15	198	DWM								
7/20/2011	130401888	15	198	DWM								
7/20/2011	130401889	15	198	DWM								
7/20/2011	130401890	15	198	DWM								
7/21/2011	130401891	15	198	DWM								
7/21/2011	130401892	15	198	DWM								
7/20/2011	130401893	15	198	DWM								
7/20/2011	130401894	15	198	DWM								
7/20/2011	130401895	15	198	DWM								
7/20/2011	130401896	15	198	DWM								
7/20/2011	130401897	15	198	DWM								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA) ProjNo: GJ4706
Location: Camillus, New York TaskNo: 07
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Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
7/20/2011	130401898	15	198	DWM								
7/20/2011	130401899	15	198	DWM								
7/20/2011	130401900	15	198	DWM								
7/20/2011	130401901	15	198	DWM					9/7/2011	9/7/2011	P	DWH
7/20/2011	130401902	15	198	DWM								
7/20/2011	130401903	15	198	DWM								
7/20/2011	130401904	15	198	DWM								
7/20/2011	130401905	15	198	DWM								
7/20/2011	130401906	15	198	DWM								
7/20/2011	130401907	15	198	DWM								
7/19/2011	130401908	15	198	DWM								
7/19/2011	130401909	15	198	DWM								
7/19/2011	130401910	15	198	DWM								
7/19/2011	130401911	15	198	DWM								
7/19/2011	130401912	15	198	DWM								
7/19/2011	130401913	15	198	DWM								
7/19/2011	130401914	15	198	DWM								
7/19/2011	130401915	15	198	DWM								
7/19/2011	130401916	15	198	DWM								
7/19/2011	130401917	15	198	DWM								
7/19/2011	130401918	15	198	DWM								
7/19/2011	130401919	15	198	DWM								
7/19/2011	130401920	15	198	DWM								
7/19/2011	130401921	15	198	DWM								
7/19/2011	130401922	15	198	DWM								
7/19/2011	130401923	15	198	DWM								
7/19/2011	130401924	15	198	DWM								
7/19/2011	130401925	15	198	DWM								
7/19/2011	130401926	15	198	DWM								
7/19/2011	130401927	15	198	DWM								

Geosyntec
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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
7/19/2011	130401928	15	198	DWM								
7/19/2011	130401929	15	198	DWM								
7/19/2011	130401930	15	198	DWM								
7/19/2011	130401931	15	198	DWM					9/7/2011	9/7/2011	P	DWH
7/19/2011	130401932	15	198	DWM								
7/19/2011	130401933	15	198	DWM								
7/19/2011	130401934	15	198	DWM								
7/19/2011	130401935	15	198	DWM								
7/19/2011	130401936	15	198	DWM								
7/19/2011	130401937	15	198	DWM								
7/19/2011	130401938	15	198	DWM								
7/19/2011	130401939	15	198	DWM								
7/19/2011	130401940	15	198	DWM								
7/19/2011	130401941	15	198	DWM								
7/19/2011	130401942	15	198	DWM								
7/19/2011	130401943	15	198	DWM	7/20/2011	GT-01	P	DWM				
7/19/2011	130401944	15	198	DWM								
7/19/2011	130401945	15	198	DWM								
7/19/2011	130401946	15	198	DWM								
7/19/2011	130401947	15	198	DWM								
7/19/2011	130401948	15	198	DWM								
7/19/2011	130401949	15	198	DWM								
7/19/2011	130401950	15	198	DWM								
7/19/2011	130401951	15	198	DWM								
7/19/2011	130401952	15	198	DWM								
7/19/2011	130401953	15	198	DWM								
7/19/2011	130401954	15	198	DWM								
7/19/2011	130401955	15	198	DWM								
7/19/2011	130401956	15	198	DWM								
7/19/2011	130401957	15	198	DWM								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
7/19/2011	130401958	15	198	DWM								
7/19/2011	130401959	15	198	DWM								
7/19/2011	130401960	15	198	DWM								
7/19/2011	130401961	15	198	DWM								
10/3/2011	130405322	15	198	DWH								
10/3/2011	130405323	15	198	DWH								
8/26/2011	130405324	15	198	DWH								
8/23/2011	130405325	15	198	DWH								
10/3/2011	130405326	15	198	DWH								
10/3/2011	130405327	15	198	DWH								
10/3/2011	130405328	15	198	DWH								
8/26/2011	130405329	15	198	DWH								
10/3/2011	130405330	15	198	DWH								
8/26/2011	130405331	15	198	DWH								
8/26/2011	130405332	15	198	DWH								
8/26/2011	130405333	15	198	DWH								
10/3/2011	130405334	15	198	DWH								
10/3/2011	130405335	15	198	DWH								
10/3/2011	130405336	15	198	DWH								
10/3/2011	130405337	15	198	DWH								
10/3/2011	130405338	15	198	DWH								
8/26/2011	130405339	15	198	DWH								
8/26/2011	130405340	15	198	DWH								
8/26/2011	130405341	15	198	DWH								
8/26/2011	130405342	15	198	DWH								
10/3/2011	130405343	15	198	DWH								
10/3/2011	130405344	15	198	DWH								
8/26/2011	130405345	15	198	DWH								
8/26/2011	130405346	15	198	DWH								
10/3/2011	130405347	15	198	DWH								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gt : 4 *Manufacturer:* GSE Lining Technology *Product Type:* GEO-240E-EBN-E-00

Inventory					Q.A. Conformance				Q.C. Documents			
Inv Date	*Batch-Roll*	*Width* (ft.)	*Length* (ft.)	*QA ID*	*Date*	*Samp No*	*Result*	*QAID*	*Date Rec*	*Date Ckk*	*Result*	*QAID*
10/3/2011	130405348	15	198	DWH								
8/26/2011	130405349	15	198	DWH								
8/26/2011	130405350	15	198	DWH								
8/26/2011	130405351	15	198	DWH								
8/26/2011	130405352	15	198	DWH								
8/26/2011	130405353	15	198	DWH					8/26/2011	8/26/2011	P	DWH
8/26/2011	130405354	15	198	DWH								
8/26/2011	130405355	15	198	DWH								
8/26/2011	130405356	15	198	DWH								
10/3/2011	130405357	15	198	DWH								
10/3/2011	130405358	15	198	DWH								
10/3/2011	130405359	15	198	DWH								
8/26/2011	130405360	15	198	DWH								
8/23/2011	130405361	15	198	DWH								
8/23/2011	130405362	15	198	DWH								
8/26/2011	130405363	15	198	DWH								
8/26/2011	130405364	15	198	DWH								
10/3/2011	130405365	15	198	DWH								
10/3/2011	130405366	15	198	DWH								
10/3/2011	130405367	15	198	DWH								
8/26/2011	130405368	15	198	DWH								
8/23/2011	130405369	15	198	DWH								
8/23/2011	130405370	15	198	DWH								
8/23/2011	130405371	15	198	DWH								
8/23/2011	130405372	15	198	DWH								
8/23/2011	130405373	15	198	DWH								
8/23/2011	130405374	15	198	DWH								
8/23/2011	130405375	15	198	DWH								
8/23/2011	130405376	15	198	DWH								
8/23/2011	130405377	15	198	DWH								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
8/23/2011	130405378	15	198	DWH								
8/26/2011	130405379	15	198	DWH								
8/26/2011	130405380	15	198	DWH								
8/26/2011	130405381	15	198	DWH								
8/26/2011	130405382	15	198	DWH								
8/26/2011	130405383	15	198	DWH					8/26/2011	8/26/2011	P	DWH
8/26/2011	130405384	15	198	DWH								
8/23/2011	130405385	15	198	DWH								
8/23/2011	130405386	15	198	DWH								
8/23/2011	130405387	15	198	DWH								
8/23/2011	130405388	15	198	DWH								
8/23/2011	130405389	15	198	DWH								
8/23/2011	130405390	15	198	DWH								
8/23/2011	130405391	15	198	DWH								
8/23/2011	130405392	15	198	DWH								
8/23/2011	130405393	15	198	DWH								
8/23/2011	130405394	15	198	DWH								
8/23/2011	130405395	15	198	DWH								
8/23/2011	130405396	15	198	DWH								
8/23/2011	130405397	15	198	DWH								
8/23/2011	130405398	15	198	DWH								
8/23/2011	130405399	15	198	DWH								
8/23/2011	130405400	15	198	DWH								
8/23/2011	130405401	15	198	DWH								
8/23/2011	130405402	15	198	DWH								
8/23/2011	130405403	15	198	DWH								
8/23/2011	130405404	15	198	DWH								
8/23/2011	130405405	15	198	DWH								
8/23/2011	130405406	15	198	DWH								
8/23/2011	130405407	15	198	DWH								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase 1 Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
8/23/2011	130405408	15	198	DWH								
8/23/2011	130405409	15	198	DWH								
8/23/2011	130405410	15	198	DWH								
8/23/2011	130405411	15	198	DWH								
8/23/2011	130405412	15	198	DWH								
8/23/2011	130405413	15	198	DWH					8/23/2011	8/23/2011	P	DWH
8/23/2011	130405414	15	198	DWH								
8/23/2011	130405415	15	198	DWH								
8/23/2011	130405416	15	198	DWH								
8/23/2011	130405417	15	198	DWH								
8/23/2011	130405418	15	198	DWH								
8/23/2011	130405419	15	198	DWH								
8/23/2011	130405420	15	198	DWH								
8/23/2011	130405421	15	198	DWH								
8/23/2011	130405422	15	198	DWH								
8/23/2011	130405423	15	198	DWH								
8/23/2011	130405424	15	198	DWH								
8/23/2011	130405425	15	198	DWH								
8/23/2011	130405426	15	198	DWH								
8/23/2011	130405427	15	198	DWH								
8/23/2011	130405428	15	198	DWH								
8/23/2011	130405430	15	198	DWH								
8/23/2011	130405431	15	198	DWH								
8/23/2011	130405432	15	198	DWH								
8/23/2011	130405433	15	198	DWH								
8/23/2011	130405434	15	198	DWH								
10/3/2011	130405435	15	198	DWH								
10/3/2011	130405436	15	198	DWH								
8/23/2011	130405437	15	198	DWH								
8/23/2011	130405438	15	198	DWH								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase I Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gt : 4 *Manufacturer:* GSE Lining Technology *Product Type:* GEO-240E-EBN-E-00

Inventory					Q.A. Conformance				Q.C. Documents			
Inv Date	*Batch-Roll*	*Width* (ft.)	*Length* (ft.)	*QA ID*	*Date*	*Samp No*	*Result*	*QAID*	*Date Rec*	*Date Ckk*	*Result*	*QAID*
8/23/2011	130405440	15	198	DWH								
8/23/2011	130405441	15	198	DWH								
8/23/2011	130405442	15	198	DWH								
8/19/2011	130405443	15	198	DWH								
8/19/2011	130405444	15	198	DWH					8/19/2011	8/19/2011	P	DWH
8/19/2011	130405445	15	198	DWH								
10/3/2011	130405446	15	198	DWH								
8/19/2011	130405447	15	198	DWH								
10/3/2011	130405448	15	198	DWH								
10/3/2011	130405449	15	198	DWH								
10/3/2011	130405450	15	198	DWH								
10/3/2011	130405451	15	198	DWH								
8/19/2011	130405452	15	198	DWH								
8/19/2011	130405453	15	198	DWH								
8/19/2011	130405454	15	198	DWH								
8/19/2011	130405455	15	198	DWH								
8/19/2011	130405456	15	198	DWH								
8/19/2011	130405457	15	198	DWH								
8/19/2011	130405458	15	198	DWH								
8/19/2011	130405459	15	198	DWH								
8/19/2011	130405460	15	198	DWH								
8/19/2011	130405461	15	198	DWH								
8/19/2011	130405462	15	198	DWH								
8/19/2011	130405463	15	198	DWH								
8/19/2011	130405464	15	198	DWH								
8/19/2011	130405465	15	198	DWH								
8/19/2011	130405466	15	198	DWH								
8/19/2011	130405467	15	198	DWH								
8/19/2011	130405468	15	198	DWH								
8/19/2011	130405469	15	198	DWH								

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Material Inventory

Project: Onondaga Lake Sediment Consolidation Area (SCA)
Location: Camillus, New York
Description: Construction Quality Assurance for Onondaga SCA Phase 1 Cell

ProjNo: GJ4706
TaskNo: 07

Material Type: gt : 4 ***Manufacturer:*** GSE Lining Technology ***Product Type:*** GEO-240E-EBN-E-00

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
8/19/2011	130405470	15	198	DWH								
8/19/2011	130405471	15	198	DWH								
8/19/2011	130405472	15	198	DWH								
8/19/2011	130405473	15	198	DWH								
8/19/2011	130405474	15	198	DWH	10/6/2011	GT-06	P	DWH	8/19/2011	8/19/2011	P	DWH
8/19/2011	130405475	15	198	DWH								
8/19/2011	130405476	15	198	DWH								
8/19/2011	130405477	15	198	DWH								

Average Roll Width(ft.): 15 ***Average Roll Length(ft.): 198***

Total Number of Rolls: 427 ***Cumulative Area(sq.ft.): 1268190***

Total Number of Conformance Tests: 5

Comments: 130401943:GT-02 was taken for Interface Friction Testing

The Pioneer Of Geosynthetics

SINCE 1983

PROPOSED PRODUCT

Product Data Sheet

GSE Nonwoven "Heavyweight" Geotextile

GSE Nonwoven "Heavyweight" Geotextile is a family of staple fiber needlepunched geotextiles. The geotextile is manufactured using an advanced manufacturing and quality system to produce the most uniform and consistent nonwoven needlepunched geotextile currently available in the industry. GSE combines a fiber selection and approval system with in-line quality control and a state-of-the-art laboratory to ensure that every roll shipped meets customer specifications and for various applications.

Product Specifications *These product specifications meet or exceed GRI GT12 and AASHTO M288*

TESTED PROPERTY	TEST METHOD	FREQUENCY	MINIMUM AVERAGE VALUE			
			~~NW20~~	NW24	~~NW28~~	~~NW32~~
Mass per Unit Area, oz/yd² (g/m²)	ASTM D 5261	90,000 ft²	~~20 (675)~~	24 (810)	~~28 (950)~~	~~32 (1,080)~~
Grab Tensile Strength, lb (N)	ASTM D 4632	90,000 ft²	~~450 (1,980)~~	500 (2,200)	~~550 (2,420)~~	~~600 (2,640)~~
Grab Elongation, %	ASTM D 4632	90,000 ft²	~~50~~	50	~~50~~	~~50~~
Puncture Strength, lb (N)	ASTM D 4833	90,000 ft²	~~200 (880)~~	250 (1,100)	~~300 (1,320)~~	~~350 (1,540)~~
Trapezoidal Tear Strength, lb (N)	ASTM D 4533	90,000 ft²	~~125 (550)~~	200 (880)	~~250 (1,100)~~	~~270 (1,190)~~
UV Resistance (% retained after 500 hours)	ASTM D 4355	per formulation	~~70~~	70	~~70~~	~~70~~
NOMINAL ROLL DIMENSIONS						
Roll Length[1], ft (m)			~~200 (61)~~	200 (61)	~~150 (45.7)~~	~~150 (45.7)~~
Roll Width[1], ft (m)			~~15 (4.6)~~	15 (4.6)	~~15 (4.6)~~	15 (4.6)
Roll Area, ft² (m²)			~~3,000 (281)~~	3,000 (281)	~~2,250 (209)~~	~~2,250 (209)~~

NOTES:

- The property values listed are in weaker principal direction. All values listed are Minimum Average Values except UV resistance which is a typical value.
- [1]Roll lengths and widths have a tolerance of ±1%.

DS_2MWPW_R10/11/10

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1245 Eastland Avenue
Kingstree, SC 29556
Phone 843-382-4603
Fax 843-382-4604

Date: June 6, 2011

Project: # 64402 Honeywell SCA Basins

Ref: Ultraviolet (UV) Resistance

To Whom It May Concern:

The resistance of nonwoven needle punched geotextiles to ultraviolet light depends primarily on antioxident and carbon black package mixed with resin to prepare a formulation for fiber extrusion. As long as this formulation remains the same the UV resistance of a geotextiles does not change. Therefore, GSE performs UV testing only once per resin formulation. The testing is performed according to ASTM Test Method D 4355 and results are included on GSE geotextile specification sheet. Currently, all GSE geotextiles meet or exceed a value of 70% strength retained after 500 hours of UV exposure. GSE will meet or exceed this value for the referenced project.

Although GSE geotextiles are manufactured using one of the best available antioxident packages, we recommend covering the geotextiles within 15 days of exposure to direct Sunlight. This period does not include time during which geotextiles rolls remain on site covered in black shrink-wrap. Our recommendation is based on UV performance data published in technical literature indicating geotextile strength can decrease sharply after prolonged exposure to Sunlight.

Actual data from an independent laboratory can be supplied upon request.

Jane Allen
Laboratory Manager

GSE Roll Allocation

RECEIVED
Oct 28 2011
Dhana
PARSONS

Order : SO-064402
Customer : Chenango Contracting
Project Name : Chenango Honeywell

Roll#	Product Code	Mfg Date	Length
130394831	GEO-240E-EBN-E-00	4/16/2011	198
130401690	GEO-240E-EBN-E-00	7/4/2011	198
130401691	GEO-240E-EBN-E-00	7/4/2011	198
130401692	GEO-240E-EBN-E-00	7/4/2011	198
130401693	GEO-240E-EBN-E-00	7/4/2011	198
130401694	GEO-240E-EBN-E-00	7/4/2011	198
130401695	GEO-240E-EBN-E-00	7/4/2011	198
130401696	GEO-240E-EBN-E-00	7/4/2011	198
130401697	GEO-240E-EBN-E-00	7/4/2011	198
130401698	GEO-240E-EBN-E-00	7/4/2011	198
130401699	GEO-240E-EBN-E-00	7/4/2011	198
130401700	GEO-240E-EBN-E-00	7/4/2011	198
130401701	GEO-240E-EBN-E-00	7/4/2011	198
130401702	GEO-240E-EBN-E-00	7/4/2011	198
130401703	GEO-240E-EBN-E-00	7/4/2011	198
130401704	GEO-240E-EBN-E-00	7/4/2011	198
130401705	GEO-240E-EBN-E-00	7/4/2011	198
130401706	GEO-240E-EBN-E-00	7/4/2011	198
130401707	GEO-240E-EBN-E-00	7/4/2011	198
130401708	GEO-240E-EBN-E-00	7/4/2011	198
130401709	GEO-240E-EBN-E-00	7/4/2011	198
130401710	GEO-240E-EBN-E-00	7/4/2011	198
130401711	GEO-240E-EBN-E-00	7/4/2011	198
130401712	GEO-240E-EBN-E-00	7/4/2011	198
130401713	GEO-240E-EBN-E-00	7/4/2011	198
130401714	GEO-240E-EBN-E-00	7/4/2011	198
130401715	GEO-240E-EBN-E-00	7/4/2011	198
130401716	GEO-240E-EBN-E-00	7/4/2011	198
130401717	GEO-240E-EBN-E-00	7/4/2011	198
130401718	GEO-240E-EBN-E-00	7/4/2011	198
130401719	GEO-240E-EBN-E-00	7/4/2011	198
130401720	GEO-240E-EBN-E-00	7/4/2011	198
130401721	GEO-240E-EBN-E-00	7/4/2011	198
130401722	GEO-240E-EBN-E-00	7/4/2011	198
130401723	GEO-240E-EBN-E-00	7/4/2011	198
130401724	GEO-240E-EBN-E-00	7/4/2011	198
130401725	GEO-240E-EBN-E-00	7/4/2011	198
130401726	GEO-240E-EBN-E-00	7/4/2011	198
130401727	GEO-240E-EBN-E-00	7/4/2011	198
130401728	GEO-240E-EBN-E-00	7/4/2011	198
130401729	GEO-240E-EBN-E-00	7/4/2011	198
130401730	GEO-240E-EBN-E-00	7/4/2011	198
130401731	GEO-240E-EBN-E-00	7/5/2011	198
130401732	GEO-240E-EBN-E-00	7/5/2011	198
130401733	GEO-240E-EBN-E-00	7/5/2011	198
130401734	GEO-240E-EBN-E-00	7/5/2011	198
130401735	GEO-240E-EBN-E-00	7/5/2011	198
130401736	GEO-240E-EBN-E-00	7/5/2011	198
130401737	GEO-240E-EBN-E-00	7/5/2011	198

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130401738	GEO-240E-EBN-E-00	7/5/2011	198
130401739	GEO-240E-EBN-E-00	7/5/2011	198
130401740	GEO-240E-EBN-E-00	7/5/2011	198
130401741	GEO-240E-EBN-E-00	7/5/2011	198
130401742	GEO-240E-EBN-E-00	7/5/2011	198
130401743	GEO-240E-EBN-E-00	7/5/2011	198
130401744	GEO-240E-EBN-E-00	7/5/2011	198
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130405405	GEO-240E-EBN-E-00	8/16/2011	198
130405406	GEO-240E-EBN-E-00	8/16/2011	198
130405407	GEO-240E-EBN-E-00	8/16/2011	198
360 130405408	GEO-240E-EBN-E-00	8/16/2011	198
130405409	GEO-240E-EBN-E-00	8/16/2011	198
130405410	GEO-240E-EBN-E-00	8/16/2011	198
130405411	GEO-240E-EBN-E-00	8/16/2011	198
130405412	GEO-240E-EBN-E-00	8/16/2011	198
130405413	GEO-240E-EBN-E-00	8/16/2011	198
130405414	GEO-240E-EBN-E-00	8/16/2011	198
130405415	GEO-240E-EBN-E-00	8/16/2011	198
130405416	GEO-240E-EBN-E-00	8/16/2011	198
130405417	GEO-240E-EBN-E-00	8/16/2011	198
370 130405418	GEO-240E-EBN-E-00	8/16/2011	198
130405419	GEO-240E-EBN-E-00	8/16/2011	198
130405420	GEO-240E-EBN-E-00	8/16/2011	198
130405421	GEO-240E-EBN-E-00	8/16/2011	198
130405422	GEO-240E-EBN-E-00	8/16/2011	198
130405423	GEO-240E-EBN-E-00	8/16/2011	198
130405424	GEO-240E-EBN-E-00	8/16/2011	198
130405425	GEO-240E-EBN-E-00	8/16/2011	198
130405426	GEO-240E-EBN-E-00	8/16/2011	198
130405427	GEO-240E-EBN-E-00	8/16/2011	198
380 130405428	GEO-240E-EBN-E-00	8/16/2011	198
130405430	GEO-240E-EBN-E-00	8/16/2011	198
130405431	GEO-240E-EBN-E-00	8/16/2011	198
130405432	GEO-240E-EBN-E-00	8/16/2011	198
130405433	GEO-240E-EBN-E-00	8/16/2011	198
130405434	GEO-240E-EBN-E-00	8/16/2011	198
130405435	GEO-240E-EBN-E-00	8/16/2011	198
130405436	GEO-240E-EBN-E-00	8/16/2011	198
130405437	GEO-240E-EBN-E-00	8/16/2011	198
130405438	GEO-240E-EBN-E-00	8/17/2011	198
390 130405440	GEO-240E-EBN-E-00	8/17/2011	198
130405441	GEO-240E-EBN-E-00	8/17/2011	198

	130405442	GEO-240E-EBN-E-00	8/17/2011	198
	130405443	GEO-240E-EBN-E-00	8/17/2011	198
	130405444	GEO-240E-EBN-E-00	8/17/2011	218
	130405445	GEO-240E-EBN-E-00	8/17/2011	198
	130405446	GEO-240E-EBN-E-00	8/17/2011	198
	130405447	GEO-240E-EBN-E-00	8/17/2011	198
	130405448	GEO-240E-EBN-E-00	8/17/2011	198
	130405449	GEO-240E-EBN-E-00	8/17/2011	198
400	130405450	GEO-240E-EBN-E-00	8/17/2011	198
	130405451	GEO-240E-EBN-E-00	8/17/2011	198
	130405452	GEO-240E-EBN-E-00	8/17/2011	198
	130405453	GEO-240E-EBN-E-00	8/17/2011	198
	130405454	GEO-240E-EBN-E-00	8/17/2011	198
	130405455	GEO-240E-EBN-E-00	8/17/2011	198
	130405456	GEO-240E-EBN-E-00	8/17/2011	198
	130405457	GEO-240E-EBN-E-00	8/17/2011	198
	130405458	GEO-240E-EBN-E-00	8/17/2011	198
	130405459	GEO-240E-EBN-E-00	8/17/2011	198
410	130405460	GEO-240E-EBN-E-00	8/17/2011	198
	130405461	GEO-240E-EBN-E-00	8/17/2011	198
	130405462	GEO-240E-EBN-E-00	8/17/2011	198
	130405463	GEO-240E-EBN-E-00	8/17/2011	198
	130405464	GEO-240E-EBN-E-00	8/17/2011	198
	130405465	GEO-240E-EBN-E-00	8/17/2011	198
	130405466	GEO-240E-EBN-E-00	8/17/2011	198
	130405467	GEO-240E-EBN-E-00	8/17/2011	198
	130405468	GEO-240E-EBN-E-00	8/17/2011	198
	130405469	GEO-240E-EBN-E-00	8/17/2011	198
420	130405470	GEO-240E-EBN-E-00	8/17/2011	198
	130405471	GEO-240E-EBN-E-00	8/17/2011	198
	130405472	GEO-240E-EBN-E-00	8/17/2011	198
	130405473	GEO-240E-EBN-E-00	8/17/2011	198
	130405474 ✓	GEO-240E-EBN-E-00	8/17/2011	198
	130405475 ✓	GEO-240E-EBN-E-00	8/17/2011	198
	130405476 ✓	GEO-240E-EBN-E-00	8/17/2011	198
	130405477 ✓	GEO-240E-EBN-E-00	8/17/2011	198

Σ427 rolls

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/17/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

≥24 ≥230 ≥50% ≥95 5,000 psf → 250lb

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130394831	26.1	629	929	176	135	285	497	349
130401690	24.6	607	971	138	114	457	566	331
130401691	25.4	587	963	136	137	390	564	359
130401692	25.4	587	963	136	137	390	564	359
130401693	25.4	587	963	136	137	390	564	359
130401694	25.4	587	963	136	137	390	564	359
130401695	25.4	587	963	136	137	390	564	359
130401696	25.4	587	963	136	137	390	564	359
130401697	25.4	587	963	136	137	390	564	359
130401698	25.4	587	963	136	137	390	564	359
130401699	25.4	587	963	136	137	390	564	359
130401700	25.4	587	963	136	137	390	564	359
130401701	25.4	587	963	136	137	390	564	359
130401702	25.4	587	963	136	137	390	564	359
130401703	25.4	587	963	136	137	390	564	359
130401704	25.4	587	963	136	137	390	564	359
130401705	25.4	587	963	136	137	390	564	359
130401706	25.4	587	963	136	137	390	564	359
130401707	25.4	587	963	136	137	390	564	359
130401708	25.4	587	963	136	137	390	564	359
130401709	25.4	587	963	136	137	390	564	359
130401710	25.4	587	963	136	137	390	564	359
130401711	25.4	587	963	136	137	390	564	359
130401712	25.4	587	963	136	137	390	564	359
130401713	25.4	587	963	136	137	390	564	359
130401714	25.4	587	963	136	137	390	564	359
130401715	25.4	587	963	136	137	390	564	359
130401716	25.4	587	963	136	137	390	564	359
130401717	25.4	587	963	136	137	390	564	359
130401718	25.4	587	963	136	137	390	564	359
130401719	25.4	587	963	136	137	390	564	359
130401720	25.4	587	963	136	137	390	564	359
130401721	25.1	629	912	125	133	536	565	351
130401722	25.1	629	912	125	133	536	565	351

From roll allocation list Σ 427 rolls each @ 15 x 198 ft

Σ 1,268,190 sft

MQC 90,000 sft frequency

Σ 15 results needed

[QA 250,000 sft 6 samples required]

frequency

RECEIVED
Oct 28 2011
PARSONS

OK
DJB
2 Nov '11

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/17/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130401723	25.1	629	912	125	133	536	565	351
130401724	25.1	629	912	125	133	536	565	351
130401725	25.1	629	912	125	133	536	565	351
130401726	25.1	629	912	125	133	536	565	351
130401727	25.1	629	912	125	133	536	565	351
130401728	25.1	629	912	125	133	536	565	351
130401729	25.1	629	912	125	133	536	565	351
130401730	25.1	629	912	125	133	536	565	351
130401731	25.1	629	912	125	133	536	565	351
130401732	25.1	629	912	125	133	536	565	351
130401733	25.1	629	912	125	133	536	565	351
130401734	25.1	629	912	125	133	536	565	351
130401735	25.1	629	912	125	133	536	565	351
130401736	25.1	629	912	125	133	536	565	351
130401737	25.1	629	912	125	133	536	565	351
130401738	25.1	629	912	125	133	536	565	351
130401739	25.1	629	912	125	133	536	565	351
130401740	25.1	629	912	125	133	536	565	351
130401741	25.1	629	912	125	133	536	565	351
130401742	25.1	629	912	125	133	536	565	351
130401743	25.1	629	912	125	133	536	565	351
130401744	25.1	629	912	125	133	536	565	351
130401745	25.1	629	912	125	133	536	565	351
130401746	25.1	629	912	125	133	536	565	351
130401747	25.1	629	912	125	133	536	565	351
130401748	25.1	629	912	125	133	536	565	351
130401749	25.1	629	912	125	133	536	565	351
130401750	25.1	629	912	125	133	536	565	351
130401751	26.8	646	978	143	128	311	546	368
130401752	26.8	646	978	143	128	311	546	368
130401753	26.8	646	978	143	128	311	546	368
130401754	26.8	646	978	143	128	311	546	368
130401755	26.8	646	978	143	128	311	546	368
130401756	26.8	646	978	143	128	311	546	368

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/17/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130401757	26.8	646	978	143	128	311	546	368
130401758	26.8	646	978	143	128	311	546	368
130401759	26.8	646	978	143	128	311	546	368
130401760	26.8	646	978	143	128	311	546	368
130401761	26.8	646	978	143	128	311	546	368
130401762	26.8	646	978	143	128	311	546	368
130401763	26.8	646	978	143	128	311	546	368
130401764	26.8	646	978	143	128	311	546	368
130401765	26.8	646	978	143	128	311	546	368
130401766	26.8	646	978	143	128	311	546	368
130401767	26.8	646	978	143	128	311	546	368
130401768	26.8	646	978	143	128	311	546	368
130401769	26.8	646	978	143	128	311	546	368
130401770	26.8	646	978	143	128	311	546	368
130401771	26.8	646	978	143	128	311	546	368
130401772	26.8	646	978	143	128	311	546	368
130401773	26.8	646	978	143	128	311	546	368
130401774	26.8	646	978	143	128	311	546	368
130401775	26.8	646	978	143	128	311	546	368
130401776	26.8	646	978	143	128	311	546	368
130401777	26.8	646	978	143	128	311	546	368
130401778	26.8	646	978	143	128	311	546	368
130401779	26.8	646	978	143	128	311	546	368
130401780	26.8	646	978	143	128	311	546	368
130401781	25.4	634	966	142	128	316	531	351 — 5
130401782	25.4	634	966	142	128	316	531	351
130401783	25.4	634	966	142	128	316	531	351
130401784	25.4	634	966	142	128	316	531	351
130401785	25.4	634	966	142	128	316	531	351
130401786	25.4	634	966	142	128	316	531	351
130401787	25.4	634	966	142	128	316	531	351
130401788	25.4	634	966	142	128	316	531	351
130401789	25.4	634	966	142	128	316	531	351
130401790	25.4	634	966	142	128	316	531	351

GSE Lining Technology, LLC.

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Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130401791	25.4	634	966	142	128	316	531	351
130401792	25.4	634	966	142	128	316	531	351
130401793	25.4	634	966	142	128	316	531	351
130401794	25.4	634	966	142	128	316	531	351
130401795	25.4	634	966	142	128	316	531	351
130401796	25.4	634	966	142	128	316	531	351
130401797	25.4	634	966	142	128	316	531	351
130401798	25.4	634	966	142	128	316	531	351
130401799	25.4	634	966	142	128	316	531	351
130401800	25.4	634	966	142	128	316	531	351
130401801	25.4	634	966	142	128	316	531	351
130401802	25.4	634	966	142	128	316	531	351
130401803	25.4	634	966	142	128	316	531	351
130401804	25.4	634	966	142	128	316	531	351
130401805	25.4	634	966	142	128	316	531	351
130401806	25.4	634	966	142	128	316	531	351
130401807	25.4	634	966	142	128	316	531	351
130401808	25.4	634	966	142	128	316	531	351
130401809	25.4	634	966	142	128	316	531	351
130401810	25.4	634	966	142	128	316	531	351
130401811	25.7	648	976	147	139	411	267	334
130401812	25.7	648	976	147	139	411	267	334
130401813	25.7	648	976	147	139	411	267	334
130401814	25.7	648	976	147	139	411	267	334
130401815	25.7	648	976	147	139	411	267	334
130401816	25.7	648	976	147	139	411	267	334
130401817	25.7	648	976	147	139	411	267	334
130401818	25.7	648	976	147	139	411	267	334
130401819	25.7	648	976	147	139	411	267	334
130401820	25.7	648	976	147	139	411	267	334
130401821	25.7	648	976	147	139	411	267	334
130401822	25.7	648	976	147	139	411	267	334
130401823	25.7	648	976	147	139	411	267	334
130401824	25.7	648	976	147	139	411	267	334

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/17/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130401825	25.7	648	976	147	139	411	267	334
130401826	25.7	648	976	147	139	411	267	334
130401827	25.7	648	976	147	139	411	267	334
130401828	25.7	648	976	147	139	411	267	334
130401829	25.7	648	976	147	139	411	267	334
130401830	25.7	648	976	147	139	411	267	334
130401831	25.7	648	976	147	139	411	267	334
130401832	25.7	648	976	147	139	411	267	334
130401833	25.7	648	976	147	139	411	267	334
130401834	25.7	648	976	147	139	411	267	334
130401835	25.7	648	976	147	139	411	267	334
130401836	25.7	648	976	147	139	411	267	334
130401837	25.7	648	976	147	139	411	267	334
130401838	25.7	648	976	147	139	411	267	334
130401839	25.7	648	976	147	139	411	267	334
130401840	25.7	648	976	147	139	411	267	334
130401841	25.5	665	960	142	135	277	463	326
130401842	25.5	665	960	142	135	277	463	326
130401843	25.5	665	960	142	135	277	463	326
130401844	25.5	665	960	142	135	277	463	326
130401845	25.5	665	960	142	135	277	463	326
130401846	25.5	665	960	142	135	277	463	326
130401847	25.5	665	960	142	135	277	463	326
130401848	25.5	665	960	142	135	277	463	326
130401849	25.5	665	960	142	135	277	463	326
130401850	25.5	665	960	142	135	277	463	326
130401851	25.5	665	960	142	135	277	463	326
130401852	25.5	665	960	142	135	277	463	326
130401853	25.5	665	960	142	135	277	463	326
130401854	25.5	665	960	142	135	277	463	326
130401855	25.5	665	960	142	135	277	463	326
130401856	25.5	665	960	142	135	277	463	326
130401857	25.5	665	960	142	135	277	463	326
130401858	25.5	665	960	142	135	277	463	326

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/17/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130401859	25.5	665	960	142	135	277	463	326
130401860	25.5	665	960	142	135	277	463	326
130401861	25.5	665	960	142	135	277	463	326
130401862	25.5	665	960	142	135	277	463	326
130401863	25.5	665	960	142	135	277	463	326
130401864	25.5	665	960	142	135	277	463	326
130401865	25.5	665	960	142	135	277	463	326
130401866	25.5	665	960	142	135	277	463	326
130401867	25.5	665	960	142	135	277	463	326
130401868	25.5	665	960	142	135	277	463	326
130401869	25.5	665	960	142	135	277	463	326
130401870	25.5	665	960	142	135	277	463	326
130401871	25.5	665	960	142	135	277	463	326 S
130401872	25.8	673	987	138	133	320	521	349
130401873	25.8	673	987	138	133	320	521	349
130401874	25.8	673	987	138	133	320	521	349
130401875	25.8	673	987	138	133	320	521	349
130401876	25.8	673	987	138	133	320	521	349
130401877	25.8	673	987	138	133	320	521	349
130401878	25.8	673	987	138	133	320	521	349
130401879	25.8	673	987	138	133	320	521	349
130401880	25.8	673	987	138	133	320	521	349
130401881	25.8	673	987	138	133	320	521	349
130401882	25.8	673	987	138	133	320	521	349
130401883	25.8	673	987	138	133	320	521	349
130401884	25.8	673	987	138	133	320	521	349
130401885	25.8	673	987	138	133	320	521	349
130401886	25.8	673	987	138	133	320	521	349
130401887	25.8	673	987	138	133	320	521	349
130401888	25.8	673	987	138	133	320	521	349
130401889	25.8	673	987	138	133	320	521	349
130401890	25.8	673	987	138	133	320	521	349
130401891	25.8	673	987	138	133	320	521	349
130401892	25.8	673	987	138	133	320	521	349

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/17/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130401893	25.8	673	987	138	133	320	521	349
130401894	25.8	673	987	138	133	320	521	349
130401895	25.8	673	987	138	133	320	521	349
130401896	25.8	673	987	138	133	320	521	349
130401897	25.8	673	987	138	133	320	521	349
130401898	25.8	673	987	138	133	320	521	349
130401899	25.8	673	987	138	133	320	521	349
130401900	25.8	673	987	138	133	320	521	349 9
130401901	25.0	631	985	135	138	297	474	332
130401902	25.0	631	985	135	138	297	474	332
130401903	25.0	631	985	135	138	297	474	332
130401904	25.0	631	985	135	138	297	474	332
130401905	25.0	631	985	135	138	297	474	332
130401906	25.0	631	985	135	138	297	474	332
130401907	25.0	631	985	135	138	297	474	332
130401908	25.0	631	985	135	138	297	474	332
130401909	25.0	631	985	135	138	297	474	332
130401910	25.0	631	985	135	138	297	474	332
130401911	25.0	631	985	135	138	297	474	332
130401912	25.0	631	985	135	138	297	474	332
130401913	25.0	631	985	135	138	297	474	332
130401914	25.0	631	985	135	138	297	474	332
130401915	25.0	631	985	135	138	297	474	332
130401916	25.0	631	985	135	138	297	474	332
130401917	25.0	631	985	135	138	297	474	332
130401918	25.0	631	985	135	138	297	474	332
130401919	25.0	631	985	135	138	297	474	332
130401920	25.0	631	985	135	138	297	474	332
130401921	25.0	631	985	135	138	297	474	332
130401922	25.0	631	985	135	138	297	474	332
130401923	25.0	631	985	135	138	297	474	332
130401924	25.0	631	985	135	138	297	474	332
130401925	25.0	631	985	135	138	297	474	332
130401926	25.0	631	985	135	138	297	474	332

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/17/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130401927	25.0	631	985	135	138	297	474	332
130401928	25.0	631	985	135	138	297	474	332
130401929	25.0	631	985	135	138	297	474	332
130401930	25.0	631	985	135	138	297	474	332 10
130401931	26.3	652	985	153	139	332	564	359
130401932	26.3	652	985	153	139	332	564	359
130401933	26.3	652	985	153	139	332	564	359
130401934	26.3	652	985	153	139	332	564	359
130401935	26.3	652	985	153	139	332	564	359
130401936	26.3	652	985	153	139	332	564	359
130401937	26.3	652	985	153	139	332	564	359
130401938	26.3	652	985	153	139	332	564	359
130401939	26.3	652	985	153	139	332	564	359
130401940	26.3	652	985	153	139	332	564	359
130401941	26.3	652	985	153	139	332	564	359
130401942	26.3	652	985	153	139	332	564	359
130401943	26.3	652	985	153	139	332	564	359
130401944	26.3	652	985	153	139	332	564	359
130401945	26.3	652	985	153	139	332	564	359
130401946	26.3	652	985	153	139	332	564	359
130401947	26.3	652	985	153	139	332	564	359
130401948	26.3	652	985	153	139	332	564	359
130401949	26.3	652	985	153	139	332	564	359
130401950	26.3	652	985	153	139	332	564	359
130401951	26.3	652	985	153	139	332	564	359
130401952	26.3	652	985	153	139	332	564	359
130401953	26.3	652	985	153	139	332	564	359
130401954	26.3	652	985	153	139	332	564	359
130401955	26.3	652	985	153	139	332	564	359
130401956	26.3	652	985	153	139	332	564	359
130401957	26.3	652	985	153	139	332	564	359
130401958	26.3	652	985	153	139	332	564	359
130401959	26.3	652	985	153	139	332	564	359
130401960	26.3	652	985	153	139	332	564	359

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/17/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130401961	25.8	639	999	145	135	299	549	329
130405322	25.8	674	987	138	118	537	564	349
130405323	26.3	706	987	136	130	541	564	389
130405324	26.3	706	987	136	130	541	564	389
130405325	26.3	706	987	136	130	541	564	389
130405326	26.3	706	987	136	130	541	564	389
130405327	26.3	706	987	136	130	541	564	389
130405328	26.3	706	987	136	130	541	564	389
130405329	26.3	706	987	136	130	541	564	389
130405330	26.3	706	987	136	130	541	564	389
130405331	26.3	706	987	136	130	541	564	389
130405332	26.3	706	987	136	130	541	564	389
130405333	26.3	706	987	136	130	541	564	389
130405334	26.3	706	987	136	130	541	564	389
130405335	26.3	706	987	136	130	541	564	389
130405336	26.3	706	987	136	130	541	564	389
130405337	26.3	706	987	136	130	541	564	389
130405338	26.3	706	987	136	130	541	564	389
130405339	26.3	706	987	136	130	541	564	389
130405340	26.3	706	987	136	130	541	564	389
130405341	26.3	706	987	136	130	541	564	389
130405342	26.3	706	987	136	130	541	564	389
130405343	26.3	706	987	136	130	541	564	389
130405344	26.3	706	987	136	130	541	564	389
130405345	26.3	706	987	136	130	541	564	389
130405346	26.3	706	987	136	130	541	564	389
130405347	26.3	706	987	136	130	541	564	389
130405348	26.3	706	987	136	130	541	564	389
130405349	26.3	706	987	136	130	541	564	389
130405350	26.3	706	987	136	130	541	564	389
130405351	26.3	706	987	136	130	541	564	389
130405352	26.3	706	987	136	130	541	564	389
130405353	25.3	694	969	141	122	292	514	367
130405354	25.3	694	969	141	122	292	514	367

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/17/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130405355	25.3	694	969	141	122	292	514	367
130405356	25.3	694	969	141	122	292	514	367
130405357	25.3	694	969	141	122	292	514	367
130405358	25.3	694	969	141	122	292	514	367
130405359	25.3	694	969	141	122	292	514	367
130405360	25.3	694	969	141	122	292	514	367
130405361	25.3	694	969	141	122	292	514	367
130405362	25.3	694	969	141	122	292	514	367
130405363	25.3	694	969	141	122	292	514	367
130405364	25.3	694	969	141	122	292	514	367
130405365	25.3	694	969	141	122	292	514	367
130405366	25.3	694	969	141	122	292	514	367
130405367	25.3	694	969	141	122	292	514	367
130405368	25.3	694	969	141	122	292	514	367
130405369	25.3	694	969	141	122	292	514	367
130405370	25.3	694	969	141	122	292	514	367
130405371	25.3	694	969	141	122	292	514	367
130405372	25.3	694	969	141	122	292	514	367
130405373	25.3	694	969	141	122	292	514	367
130405374	25.3	694	969	141	122	292	514	367
130405375	25.3	694	969	141	122	292	514	367
130405376	25.3	694	969	141	122	292	514	367
130405377	25.3	694	969	141	122	292	514	367
130405378	25.3	694	969	141	122	292	514	367
130405379	25.3	694	969	141	122	292	514	367
130405380	25.3	694	969	141	122	292	514	367
130405381	25.3	694	969	141	122	292	514	367
130405382	25.3	694	969	141	122	292	514	367 /2
130405383	25.7	725	971	147	116	286	564	364
130405384	25.7	725	971	147	116	286	564	364
130405385	25.7	725	971	147	116	286	564	364
130405386	25.7	725	971	147	116	286	564	364
130405387	25.7	725	971	147	116	286	564	364
130405388	25.7	725	971	147	116	286	564	364

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

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Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130405389	25.7	725	971	147	116	286	564	364
130405390	25.7	725	971	147	116	286	564	364
130405391	25.7	725	971	147	116	286	564	364
130405392	25.7	725	971	147	116	286	564	364
130405393	25.7	725	971	147	116	286	564	364
130405394	25.7	725	971	147	116	286	564	364
130405395	25.7	725	971	147	116	286	564	364
130405396	25.7	725	971	147	116	286	564	364
130405397	25.7	725	971	147	116	286	564	364
130405398	25.7	725	971	147	116	286	564	364
130405399	25.7	725	971	147	116	286	564	364
130405400	25.7	725	971	147	116	286	564	364
130405401	25.7	725	971	147	116	286	564	364
130405402	25.7	725	971	147	116	286	564	364
130405403	25.7	725	971	147	116	286	564	364
130405404	25.7	725	971	147	116	286	564	364
130405405	25.7	725	971	147	116	286	564	364
130405406	25.7	725	971	147	116	286	564	364
130405407	25.7	725	971	147	116	286	564	364
130405408	25.7	725	971	147	116	286	564	364
130405409	25.7	725	971	147	116	286	564	364
130405410	25.7	725	971	147	116	286	564	364
130405411	25.7	725	971	147	116	286	564	364
130405412	25.7	725	971	147	116	286	564	364 13
130405413	24.1	634	991	132	128	319	405	319
130405414	24.1	634	991	132	128	319	405	319
130405415	24.1	634	991	132	128	319	405	319
130405416	24.1	634	991	132	128	319	405	319
130405417	24.1	634	991	132	128	319	405	319
130405418	24.1	634	991	132	128	319	405	319
130405419	24.1	634	991	132	128	319	405	319
130405420	24.1	634	991	132	128	319	405	319
130405421	24.1	634	991	132	128	319	405	319
130405422	24.1	634	991	132	128	319	405	319

GSE Lining Technology, LLC.

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Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130405423	24.1	634	991	132	128	319	405	319
130405424	24.1	634	991	132	128	319	405	319
130405425	24.1	634	991	132	128	319	405	319
130405426	24.1	634	991	132	128	319	405	319
130405427	24.1	634	991	132	128	319	405	319
130405428	24.1	634	991	132	128	319	405	319
130405430	24.1	634	991	132	128	319	405	319
130405431	24.1	634	991	132	128	319	405	319
130405432	24.1	634	991	132	128	319	405	319
130405433	24.1	634	991	132	128	319	405	319
130405434	24.1	634	991	132	128	319	405	319
130405435	24.1	634	991	132	128	319	405	319
130405436	24.1	634	991	132	128	319	405	319
130405437	24.1	634	991	132	128	319	405	319
130405438	24.1	634	991	132	128	319	405	319
130405440	24.1	634	991	132	128	319	405	319
130405441	24.1	634	991	132	128	319	405	319
130405442	24.1	634	991	132	128	319	405	319
130405443	24.1	634	991	132	128	319	405	319 14
130405444	25.1	650	988	145	123	305	522	369
130405445	25.1	650	988	145	123	305	522	369
130405446	25.1	650	988	145	123	305	522	369
130405447	25.1	650	988	145	123	305	522	369
130405448	25.1	650	988	145	123	305	522	369
130405449	25.1	650	988	145	123	305	522	369
130405450	25.1	650	988	145	123	305	522	369
130405451	25.1	650	988	145	123	305	522	369
130405452	25.1	650	988	145	123	305	522	369
130405453	25.1	650	988	145	123	305	522	369
130405454	25.1	650	988	145	123	305	522	369
130405455	25.1	650	988	145	123	305	522	369
130405456	25.1	650	988	145	123	305	522	369
130405457	25.1	650	988	145	123	305	522	369
130405458	25.1	650	988	145	123	305	522	369

GSE Lining Technology, LLC.

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Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130405459	25.1	650	988	145	123	305	522	369
130405460	25.1	650	988	145	123	305	522	369
130405461	25.1	650	988	145	123	305	522	369
130405462	25.1	650	988	145	123	305	522	369
130405463	25.1	650	988	145	123	305	522	369
130405464	25.1	650	988	145	123	305	522	369
130405465	25.1	650	988	145	123	305	522	369
130405466	25.1	650	988	145	123	305	522	369
130405467	25.1	650	988	145	123	305	522	369
130405468	25.1	650	988	145	123	305	522	369
130405469	25.1	650	988	145	123	305	522	369
130405470	25.1	650	988	145	123	305	522	369
130405471	25.1	650	988	145	123	305	522	369
130405472	25.1	650	988	145	123	305	522	369
130405473	25.1	650	988	145	123	305	522	369 15
130405474	25.2	654	978	141	134	454	564	350
130405475	25.2	654	978	141	134	454	564	350
130405476	25.2	654	978	141	134	454	564	350
130405477	25.2	654	978	141	134	454	564	350 16

Laboratory Manager Jane Allen

This test report shall not be reproduced, except in full, without written approval of the laboratory.

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL-0054552

Received at Kingstree, SC from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716-564-7033
Syracuse, NY 13209

Ship date: 7/18/2011

Branch plant: 1503

Sales order: SO-064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716-564-7033 or Ken Sommerfield @ 315-466-3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
	8,830	GEO-240E-EBN-E-00	SY	Nonwoven Geotextile NW24 15'	
1		See Submittal		130401929 ✓ Nonwoven Geotextile NW24 15'	530.00
2				130401930 ✓ Nonwoven Geotextile NW24 15'	529.00
3		27 rolls		130401931 ✓ Nonwoven Geotextile NW24 15'	527.00
4				130401934 ✓ Nonwoven Geotextile NW24 15'	523.00
5				130401935 ✓ Nonwoven Geotextile NW24 15'	523.00
6				130401936 ✓ Nonwoven Geotextile NW24 15'	523.00
7				130401937 ✓ Nonwoven Geotextile NW24 15'	521.00
				130401938 ✓ Nonwoven Geotextile NW24 15'	521.00
				130401939 ✓ Nonwoven Geotextile NW24 15'	522.00
10				130401940 ✓ Nonwoven Geotextile NW24 15'	528.00
11				130401943 ✓ Nonwoven Geotextile NW24 15'	528.00
12				130401946 ✓ Nonwoven Geotextile NW24 15'	524.00
13				130401947 ✓ Nonwoven Geotextile NW24 15'	525.00
14				130401948 ✓ Nonwoven Geotextile NW24 15'	525.00
15				130401949 ✓ Nonwoven Geotextile NW24 15'	522.00
16				130401950 ✓ Nonwoven Geotextile NW24 15'	522.00
17				130401951 ✓ Nonwoven Geotextile NW24 15'	523.00
18				130401952 ✓ Nonwoven Geotextile NW24 15'	522.00
19				130401953 ✓ Nonwoven Geotextile NW24 15'	522.00
20				130401954 ✓ Nonwoven Geotextile NW24 15'	522.00
21				130401955 ✓ Nonwoven Geotextile NW24 15'	526.00
22				130401956 ✓ Nonwoven Geotextile NW24 15'	522.00
23				130401957 ✓ Nonwoven Geotextile NW24 15'	525.00
24				130401958 ✓ Nonwoven Geotextile NW24 15'	525.00
25				130401959 ✓ Nonwoven Geotextile NW24 15'	522.00
26				130401960 ✓ Nonwoven Geotextile NW24 15'	527.00

Total quantity:

Total weight:

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

_____
Signature of Consignor

Local Verification Signed

X _____

PRO Number
KT034183

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201-1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: K&J Transport

Carrier signature: _____

Date: _____

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL-0054552

Received at Kingstree, SC from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716-564-7033
Syracuse, NY 13209

Ship date: 7/18/2011
Branch plant: 1503
Sales order: SO-064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716-564-7033 or Ken Sommerfield @ 315-466-3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27	1	FREIGHTGEO002	EA	130401961 ✓ Nonwoven Geotextile NW24 15' DOM. SHIPPING CHARGE	400.00
28				DOM. SHIPPING CHARGE	0.00

Rec'd
7/19/11
Geosyntec

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

_____
Signature of Consignor

Local Verification Signed
X _____

PRO Number
KT034183

Seal numbers

Truckers P.O. #
PO2300

Total quantity: 8,831 **Total weight:** 14,029.00

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery. Driver must call (843) 201-1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: K&J Transport

Carrier signature: _____

Date: _____

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054571

ed at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ed as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/18/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
	8,910	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'	
		See Subroll ID			
1		Σ 27 rolls		130401908 Nonwoven Geotextile NW24 15'	536.00
2				130401909 Nonwoven Geotextile NW24 15'	536.00
3				130401910 Nonwoven Geotextile NW24 15'	536.00
4				130401911 Nonwoven Geotextile NW24 15'	533.00
5				130401912 Nonwoven Geotextile NW24 15'	528.00
6				130401913 Nonwoven Geotextile NW24 15'	527.00
7				130401914 Nonwoven Geotextile NW24 15'	528.00
				130401915 Nonwoven Geotextile NW24 15'	531.00
				130401916 Nonwoven Geotextile NW24 15'	534.00
10				130401917 Nonwoven Geotextile NW24 15'	534.00
11				130401918 Nonwoven Geotextile NW24 15'	542.00
12				130401919 Nonwoven Geotextile NW24 15'	541.00
13				130401920 Nonwoven Geotextile NW24 15'	538.00
14				130401921 Nonwoven Geotextile NW24 15'	537.00
15				130401922 Nonwoven Geotextile NW24 15'	536.00
16				130401923 Nonwoven Geotextile NW24 15'	533.00
17				130401924 Nonwoven Geotextile NW24 15'	534.00
18				130401925 Nonwoven Geotextile NW24 15'	530.00
19				130401926 Nonwoven Geotextile NW24 15'	528.00
20				130401927 Nonwoven Geotextile NW24 15'	533.00
21				130401928 Nonwoven Geotextile NW24 15'	684.00
22				130401932 Nonwoven Geotextile NW24 15'	523.00
23				130401933 Nonwoven Geotextile NW24 15'	523.00
24				130401941 Nonwoven Geotextile NW24 15'	524.00
25				130401942 Nonwoven Geotextile NW24 15'	527.00
26				130401944 Nonwoven Geotextile NW24 15'	528.00

Total quantity:

Total weight:

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034190

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Nesbitt Transportation, Inc.

Carrier signature: _____

Date: _____

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054571

ved at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ned as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/18/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27	1	FREIGHTGEO002	EA	130401945 Nonwoven Geotextile NW24 15' DOM. SHIPPING CHARGE	526.00
28				DOM. SHIPPING CHARGE	0.00

Rec'd
7/19/11
Geosyntec

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034190

Seal numbers

Truckers P.O. #
PO2300

Total quantity: 8,911 **Total weight:** 14,510.00

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Nesbitt Transportation, Inc.

Carrier signature: _____

Date: _____

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054596

Received at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/19/2011

Branch plant: 1503

Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
	8,910	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'	
1		See Submittal		130401874 ✓ Nonwoven Geotextile NW24 15'	526.00
2				130401879 ✓ Nonwoven Geotextile NW24 15'	522.00
3		Σ 27 rolls		130401880 ✓ Nonwoven Geotextile NW24 15'	523.00
4				130401881 ✓ Nonwoven Geotextile NW24 15'	523.00
5				130401882 ✓ Nonwoven Geotextile NW24 15'	523.00
6				130401883 ✓ Nonwoven Geotextile NW24 15'	523.00
7				130401885 ✓ Nonwoven Geotextile NW24 15'	525.00
8				130401886 ✓ Nonwoven Geotextile NW24 15'	523.00
9				130401887 ✓ Nonwoven Geotextile NW24 15'	524.00
10				130401888 ✓ Nonwoven Geotextile NW24 15'	519.00
11				130401889 ✓ Nonwoven Geotextile NW24 15'	525.00
12				130401890 ✓ Nonwoven Geotextile NW24 15'	524.00
13				130401893 ✓ Nonwoven Geotextile NW24 15'	520.00
14				130401894 ✓ Nonwoven Geotextile NW24 15'	520.00
15				130401895 ✓ Nonwoven Geotextile NW24 15'	521.00
16				130401896 ✓ Nonwoven Geotextile NW24 15'	519.00
17				130401897 ✓ Nonwoven Geotextile NW24 15'	522.00
18				130401898 ✓ Nonwoven Geotextile NW24 15'	528.00
19				130401899 ✓ Nonwoven Geotextile NW24 15'	534.00
20				130401900 ✓ Nonwoven Geotextile NW24 15'	533.00
21				130401901 ✓ Nonwoven Geotextile NW24 15'	536.00
22				130401902 ✓ Nonwoven Geotextile NW24 15'	536.00
23				130401903 ✓ Nonwoven Geotextile NW24 15'	536.00
24				130401904 ✓ Nonwoven Geotextile NW24 15'	537.00
25				130401905 ✓ Nonwoven Geotextile NW24 15'	540.00
26				130401906 ✓ Nonwoven Geotextile NW24 15'	539.00

Total quantity:

Total weight:

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

_____
Signature of Consignor

Local Verification Signed

X _____

PRO Number
KT034187

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Alabama Carriers, Inc.

Carrier signature: _____

Date: _____

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054596

Received at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/19/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27	1	FREIGHTGEO002	EA	130401907 ✓ Nonwoven Geotextile NW24 15' DOM. SHIPPING CHARGE	535.00
28				DOM. SHIPPING CHARGE	0.00

Rec'd
7/20/11
Geosyntec

Total quantity: 8,911 **Total weight:** 14,236.00

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

_____
Signature of Consignor

Local Verification Signed

X _____

PRO Number
KT034187

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Alabama Carriers, Inc.

Carrier signature: _____

Date: _____

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054609

Received at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/19/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
	8,910	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'	
		See Submittal			
1		Σ 27 rolls		130401842 Nonwoven Geotextile NW24 15'	525.00
2				130401843 Nonwoven Geotextile NW24 15'	528.00
3				130401844 Nonwoven Geotextile NW24 15'	528.00
4				130401845 Nonwoven Geotextile NW24 15'	528.00
5				130401846 Nonwoven Geotextile NW24 15'	525.00
6			–	130401857 Nonwoven Geotextile NW24 15'	524.00
7				130401859 Nonwoven Geotextile NW24 15'	523.00
8				130401860 Nonwoven Geotextile NW24 15'	524.00
9				130401861 Nonwoven Geotextile NW24 15'	526.00
10				130401862 Nonwoven Geotextile NW24 15'	509.00
11				130401863 Nonwoven Geotextile NW24 15'	525.00
12				130401864 Nonwoven Geotextile NW24 15'	525.00
13				130401865 Nonwoven Geotextile NW24 15'	521.00
14				130401866 Nonwoven Geotextile NW24 15'	523.00
15				130401867 Nonwoven Geotextile NW24 15'	526.00
16				130401868 Nonwoven Geotextile NW24 15'	526.00
17				130401869 Nonwoven Geotextile NW24 15'	523.00
18				130401870 Nonwoven Geotextile NW24 15'	523.00
19				130401871 Nonwoven Geotextile NW24 15'	523.00
20				130401872 Nonwoven Geotextile NW24 15'	523.00
21				130401873 Nonwoven Geotextile NW24 15'	526.00
22				130401875 Nonwoven Geotextile NW24 15'	525.00
23				130401876 Nonwoven Geotextile NW24 15'	525.00
24				130401877 Nonwoven Geotextile NW24 15'	523.00
25				130401878 Nonwoven Geotextile NW24 15'	522.00
26				130401891 Nonwoven Geotextile NW24 15'	522.00

Total quantity: **Total weight:**

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

_____
Signature of Consignor

Local Verification Signed

X _____

PRO Number
KT034199

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Nesbitt Transportation, Inc.

Carrier signature: _____

Date: _____

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL-0054609

Received at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716-564-7033
Syracuse, NY 13209

Ship date: 7/19/2011
Branch plant: 1503
Sales order: SO-064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716-564-7033 or Ken Sommerfield @ 315-466-3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27	1	FREIGHTGEO002	EA	130401892 ✓ Nonwoven Geotextile NW24 15' DOM. SHIPPING CHARGE	521.00
28				DOM. SHIPPING CHARGE	0.00

Rec'd
7/21/11
DWM
Geosyntec

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

_____
Signature of Consignor

Local Verification Signed

X _____

PRO Number
KT034199

Seal numbers

Truckers P.O. #
PO2300

Total quantity: 8,911 **Total weight:** 14,142.00

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201-1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Nesbitt Transportation, Inc.

Carrier signature: _____

Date: _____

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054628

Rec[illegible] at Kingstree, SC from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/20/2011

Branch plant: 1503

Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
	8,910	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'	
1		See Submittal		130401820 Nonwoven Geotextile NW24 15'	518.00
2				130401821 Nonwoven Geotextile NW24 15'	518.00
3		Σ 27 rolls		130401822 Nonwoven Geotextile NW24 15'	528.00
4				130401823 Nonwoven Geotextile NW24 15'	528.00
5				130401824 Nonwoven Geotextile NW24 15'	528.00
6				130401827 Nonwoven Geotextile NW24 15'	527.00
7				130401828 Nonwoven Geotextile NW24 15'	527.00
				130401829 Nonwoven Geotextile NW24 15'	526.00
9				130401834 Nonwoven Geotextile NW24 15'	524.00
10				130401835 Nonwoven Geotextile NW24 15'	525.00
11				130401836 Nonwoven Geotextile NW24 15'	523.00
12				130401837 Nonwoven Geotextile NW24 15'	523.00
13				130401838 Nonwoven Geotextile NW24 15'	525.00
14				130401839 Nonwoven Geotextile NW24 15'	524.00
15				130401840 Nonwoven Geotextile NW24 15'	527.00
16				130401841 Nonwoven Geotextile NW24 15'	528.00
17				130401847 Nonwoven Geotextlle NW24 15'	525.00
18				130401848 Nonwoven Geotextile NW24 15'	524.00
19				130401849 Nonwoven Geotextile NW24 15'	522.00
20				130401850 Nonwoven Geotextile NW24 15'	518.00
21				130401851 Nonwoven Geotextile NW24 15'	518.00
22				130401852 Nonwoven Geotextile NW24 15'	519.00
23				130401853 Nonwoven Geotextile NW24 15'	523.00
24				130401854 Nonwoven Geotextile NW24 15'	522.00
25			—	130401855 Nonwoven Geotextile NW24 15'	523.00
26				130401856 Nonwoven Geotextile NW24 15'	524.00

Total quantity:

Total weight:

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034200

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Nesbitt Transportation, Inc.

Carrier signature: _____

Date: _____

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054628

Rec... at Kingstree, SC from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/20/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27	1	FREIGHTGEO002	EA	130401858 ✓ Nonwoven Geotextile NW24 15' DOM. SHIPPING CHARGE	524.00
28				DOM. SHIPPING CHARGE	0.00

Rec'd
7/21/11
Geosyntec

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed
X

PRO Number
KT034200

Seal numbers

Truckers P.O. #
PO2300

Total quantity: 8,911 **Total weight:** 14,141.00

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Nesbitt Transportation, Inc.

Carrier signature: _____

Date: _____

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054630

Received at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/20/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Eff 7 22 11

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
	8,910	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'	
1		see submittal		130401784 Nonwoven Geotextile NW24 15'	533.00
2				130401787 Nonwoven Geotextile NW24 15'	529.00
3		Σ 27 rolls		130401794 Nonwoven Geotextile NW24 15'	526.00
4				130401795 Nonwoven Geotextile NW24 15'	529.00
5				130401800 Nonwoven Geotextile NW24 15'	529.00
6				130401802 Nonwoven Geotextile NW24 15'	524.00
7				130401805 Nonwoven Geotextile NW24 15'	523.00
				130401806 Nonwoven Geotextile NW24 15'	523.00
9				130401807 Nonwoven Geotextile NW24 15'	525.00
10				130401808 Nonwoven Geotextile NW24 15'	525.00
11				130401809 Nonwoven Geotextile NW24 15'	525.00
12				130401810 Nonwoven Geotextile NW24 15'	517.00
13				130401811 Nonwoven Geotextile NW24 15'	515.00
14				130401812 Nonwoven Geotextile NW24 15'	523.00
15				130401813 Nonwoven Geotextile NW24 15'	523.00
16				130401814 Nonwoven Geotextile NW24 15'	526.00
17				130401815 Nonwoven Geotextile NW24 15'	525.00
18				130401816 Nonwoven Geotextile NW24 15'	523.00
19				130401817 Nonwoven Geotextile NW24 15'	521.00
20				130401818 Nonwoven Geotextile NW24 15'	521.00
21				130401819 Nonwoven Geotextile NW24 15'	521.00
22				130401825 Nonwoven Geotextile NW24 15'	528.00
23				130401826 Nonwoven Geotextile NW24 15'	528.00
24				130401830 Nonwoven Geotextile NW24 15'	523.00
25				130401831 Nonwoven Geotextile NW24 15'	524.00
26				130401832 Nonwoven Geotextile NW24 15'	525.00

Total quantity: **Total weight:**

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034215

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Nesbitt Transportation, Inc.

Carrier signature: _____

Date: _____

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054630

Received at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/20/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight	Project
27	1	FREIGHTGEO002	EA	130401833 ✓ Nonwoven Geotextile NW24 15' DOM. SHIPPING CHARGE	524.00	Freight charges are prepaid unless marked collect.
28				DOM. SHIPPING CHARGE	0.00	Check box if collect ☐

Rec'd
7/21/11
Geosynthetic

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed
X

PRO Number
KT034215

Seal numbers

Truckers P.O. #
PO2300

Total quantity: 8,911 **Total weight:** 14,158.00

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Nesbitt Transportation, Inc.

Carrier signature: _____

Date: _____

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054668

...ived at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ...ined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: **Chenango Honeywell**
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/21/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
	8,910	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'	
1		see subtotal		130401711 Nonwoven Geotextile NW24 15'	524.00
2				130401717 Nonwoven Geotextile NW24 15'	513.00
3				130401729 Nonwoven Geotextile NW24 15'	511.00
4		Σ27 rolls		130401730 Nonwoven Geotextile NW24 15'	512.00
5				130401734 Nonwoven Geotextile NW24 15'	512.00
6				130401735 Nonwoven Geotextile NW24 15'	512.00
7				130401736 Nonwoven Geotextile NW24 15'	512.00
				130401743 Nonwoven Geotextile NW24 15'	523.00
				130401744 Nonwoven Geotextile NW24 15'	526.00
10				130401745 Nonwoven Geotextile NW24 15'	525.00
11				130401746 Nonwoven Geotextile NW24 15'	524.00
12				130401747 Nonwoven Geotextile NW24 15'	521.00
13				130401759 Nonwoven Geotextile NW24 15'	530.00
14				130401760 Nonwoven Geotextile NW24 15'	529.00
15				130401762 Nonwoven Geotextile NW24 15'	531.00
16				130401765 Nonwoven Geotextile NW24 15'	531.00
17				130401766 Nonwoven Geotextile NW24 15'	532.00
18				130401767 Nonwoven Geotextile NW24 15'	531.00
19				130401768 Nonwoven Geotextile NW24 15'	532.00
20				130401771 Nonwoven Geotextile NW24 15'	527.00
21				130401772 Nonwoven Geotextile NW24 15'	527.00
22				130401777 Nonwoven Geotextile NW24 15'	547.00
23				130401778 Nonwoven Geotextile NW24 15'	550.00
24				130401779 Nonwoven Geotextile NW24 15'	549.00
25				130401781 Nonwoven Geotextile NW24 15'	549.00
26				130401783 Nonwoven Geotextile NW24 15'	554.00

Total quantity: **Total weight:**

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034232

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Alabama Carriers, Inc.

Carrier signature: _____

Date: _____

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054668

Kingstree, SC from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: **Chenango Honeywell**
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/21/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27	1	FREIGHTGEO002	EA	130401789 Nonwoven Geotextile NW24 15' DOM. SHIPPING CHARGE	525.00
28				DOM. SHIPPING CHARGE	0.00

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

_____
Signature of Consignor

Local Verification Signed

X _____

PRO Number
KT034232

Seal numbers

Truckers P.O. #
PO2300

A/L RC's 7/20/11 11:00 Brett P. Bayne

Total quantity: 8,911 **Total weight:** 14,259.00

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Alabama Carriers, Inc.

Carrier signature: _____

Date: _____

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL-0054641

Rec[illegible] at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716-564-7033
Syracuse, NY 13209

Ship date: 7/20/2011

Branch plant: 1503

Sales order: SO-064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716-564-7033 or Ken Sommerfield @ 315-466-3989

7/20/11

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
	8,910	GEO-240E-EBN-E-00	SY	Nonwoven Geotextile NW24 15'	
1		see submittal		130401751 Nonwoven Geotextile NW24 15'	524.00
2				130401752 Nonwoven Geotextile NW24 15'	521.00
3				130401753 Nonwoven Geotextile NW24 15'	525.00
4		Σ 27 rolls		130401754 Nonwoven Geotextile NW24 15'	526.00
5				130401755 Nonwoven Geotextile NW24 15'	524.00
6				130401756 Nonwoven Geotextile NW24 15'	528.00
7				130401757 Nonwoven Geotextile NW24 15'	529.00
8				130401758 Nonwoven Geotextile NW24 15'	527.00
10				130401774 Nonwoven Geotextile NW24 15'	554.00
11				130401775 Nonwoven Geotextile NW24 15'	552.00
12				130401776 Nonwoven Geotextile NW24 15'	550.00
13				130401780 Nonwoven Geotextile NW24 15'	549.00
14				130401782 Nonwoven Geotextile NW24 15'	553.00
15				130401785 Nonwoven Geotextile NW24 15'	535.00
16				130401786 Nonwoven Geotextile NW24 15'	534.00
17				130401788 Nonwoven Geotextile NW24 15'	525.00
18				130401790 Nonwoven Geotextile NW24 15'	527.00
19				130401791 Nonwoven Geotextile NW24 15'	526.00
20				130401792 Nonwoven Geotextile NW24 15'	527.00
21				130401793 Nonwoven Geotextile NW24 15'	527.00
22				130401796 Nonwoven Geotextile NW24 15'	527.00
23				130401797 Nonwoven Geotextile NW24 15'	526.00
24				130401798 Nonwoven Geotextile NW24 15'	528.00
25				130401799 Nonwoven Geotextile NW24 15'	529.00
26				130401801 Nonwoven Geotextile NW24 15'	526.00
				130401803 Nonwoven Geotextile NW24 15'	523.00

Total quantity:

Total weight:

Project

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number

2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number

KT034231

Seal numbers

Truckers P.O. #

PO2300

Driver requirements: Rec'd 7/20/11

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201-1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Nesbitt Transportation, Inc.

Carrier signature: _____

Date: 7/20/11

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054641

Received at Kingstree, SC from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/20/2011

Branch plant: 1503

Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27	1	FREIGHTGEO002	EA	130401804 Nonwoven Geotextile NW24 15' DOM. SHIPPING CHARGE	523.00
28				DOM. SHIPPING CHARGE	0.00

Rec'd
7/21/11
Georgytec

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034231

Seal numbers

Truckers P.O. #
PO2300

Total quantity: 8,911

Total weight: 14,345.00

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Nesbitt Transportation, Inc.

Carrier signature: _____

Date: _____

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054693

...ceived at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: **Chenango Honeywell**
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/22/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

7/21/11

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
	8,910	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'	
1		see submittal		130401709 Nonwoven Geotextile NW24 15'	514.00
2				130401719 Nonwoven Geotextile NW24 15'	515.00
3		Σ 27 rolls		130401720 Nonwoven Geotextile NW24 15'	524.00
4				130401721 Nonwoven Geotextile NW24 15'	529.00
5				130401722 Nonwoven Geotextile NW24 15'	527.00
6				130401723 Nonwoven Geotextile NW24 15'	527.00
7				130401724 Nonwoven Geotextile NW24 15'	525.00
				130401725 Nonwoven Geotextile NW24 15'	519.00
9				130401726 Nonwoven Geotextile NW24 15'	518.00
10				130401727 Nonwoven Geotextile NW24 15'	517.00
11				130401728 Nonwoven Geotextile NW24 15'	524.00
12				130401731 Nonwoven Geotextile NW24 15'	512.00
13				130401732 Nonwoven Geotextile NW24 15'	512.00
14				130401733 Nonwoven Geotextile NW24 15'	512.00
15				130401737 Nonwoven Geotextile NW24 15'	514.00
16				130401738 Nonwoven Geotextile NW24 15'	514.00
17				130401739 Nonwoven Geotextile NW24 15'	514.00
18				130401740 Nonwoven Geotextile NW24 15'	515.00
19				130401741 Nonwoven Geotextile NW24 15'	516.00
20				130401742 Nonwoven Geotextile NW24 15'	518.00
21				130401748 Nonwoven Geotextile NW24 15'	524.00
22				130401749 Nonwoven Geotextile NW24 15'	526.00
23				130401750 Nonwoven Geotextile NW24 15'	526.00
24				130401761 Nonwoven Geotextile NW24 15'	531.00
25				130401763 Nonwoven Geotextile NW24 15'	531.00
26				130401764 Nonwoven Geotextile NW24 15'	531.00

Total quantity: **Total weight:**

Project

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034234

Seal numbers

Truckers P.O. #
PO2300

river requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: **Nesbitt Transportation, Inc.**

Carrier signature: _____

Date: _____

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0054693

...ived at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ...stined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/22/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27	1	FREIGHTGEO002	EA	130401769 – Nonwoven Geotextile NW24 15' DOM. SHIPPING CHARGE	532.00
28				DOM. SHIPPING CHARGE	0.00

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

_____
Signature of Consignor

Local Verification Signed

X_____

08:00
All Rcb 7/25/11 Brett P. Bangus

PRO Number
KT034234

Seal numbers

Truckers P.O. #
PO2300

Total quantity: 8,911 **Total weight:** 14,067.00

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Nesbitt Transportation, Inc.

Carrier signature: _____

Date: _____

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0055047

...ed at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ...ed as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/29/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

EIA 8-2 11

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
	9,240	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'	
1		sec 1 submittal	*	130401690 Nonwoven Geotextile NW24 15'	573.00
2				130401691 Nonwoven Geotextile NW24 15'	527.00
3		Σ 28 rolls		130401692 Nonwoven Geotextile NW24 15'	512.00
4				130401693 Nonwoven Geotextile NW24 15'	522.00
5				130401694 Nonwoven Geotextile NW24 15'	549.00
6				130401695 Nonwoven Geotextile NW24 15'	549.00
7				130401696 Nonwoven Geotextile NW24 15'	549.00
				130401697 Nonwoven Geotextile NW24 15'	547.00
				130401698 Nonwoven Geotextile NW24 15'	541.00
10				130401699 Nonwoven Geotextile NW24 15'	537.00
11				130401700 Nonwoven Geotextile NW24 15'	533.00
12				130401701 Nonwoven Geotextile NW24 15'	526.00
13				130401702 Nonwoven Geotextile NW24 15'	527.00
14				130401703 Nonwoven Geotextile NW24 15'	526.00
15				130401704 Nonwoven Geotextile NW24 15'	522.00
16				130401705 Nonwoven Geotextile NW24 15'	531.00
17				130401706 Nonwoven Geotextile NW24 15'	512.00
18				130401707 Nonwoven Geotextile NW24 15'	514.00
19				130401708 Nonwoven Geotextile NW24 15'	515.00
20				130401710 Nonwoven Geotextile NW24 15'	514.00
21				130401712 Nonwoven Geotextile NW24 15'	523.00
22				130401713 Nonwoven Geotextile NW24 15'	523.00
23				130401714 Nonwoven Geotextile NW24 15'	523.00
24				130401715 Nonwoven Geotextile NW24 15'	518.00
25				130401716 Nonwoven Geotextile NW24 15'	516.00
26				130401718 Nonwoven Geotextile NW24 15'	518.00

Total quantity: **Total weight:**

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034233

Seal numbers

Truckers P.O. #
PO2300

TRL# 35773

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Alabama Carriers, Inc.

Carrier signature: _____

Date: 7/29/11

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0055047

ed at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ed as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 7/29/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

E 7/5-2 11

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27				130401770 Nonwoven Geotextile NW24 15'	531.00
28				130401773 Nonwoven Geotextile NW24 15'	528.00
	1	FREIGHTGEO002	EA	DOM. SHIPPING CHARGE	
29				DOM. SHIPPING CHARGE	0.00

CONFORMANCE SAMPLE
Roll # 130401690

All Rec'd 8/1/11
Brett D. Bayne
15:45

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer requisition number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed
X

PRO Number
KT034233

Seal numbers

Truckers P.O. #
PO2300

Total quantity: 9,241 **Total weight:** 14,806.00

Driver requirements:

iver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: Alabama Carriers, Inc.
Carrier signature: _____
Date: 7/29/11

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0055723

...ed at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ...ed as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: **Chenango Honeywell**
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 8/18/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

ETD 8/31

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions		Weight
	9,933	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'		
1			–	130405443	Nonwoven Geotextile NW24 15'	522.00
2			–	130405444	Nonwoven Geotextile NW24 15'	591.00
3			–	130405445	Nonwoven Geotextile NW24 15'	519.00
4			–	130405447	Nonwoven Geotextile NW24 15'	519.00
5			–	130405452	Nonwoven Geotextile NW24 15'	529.00
6			–	130405453	Nonwoven Geotextile NW24 15'	529.00
7			–	130405454	Nonwoven Geotextile NW24 15'	531.00
			–	130405455	Nonwoven Geotextile NW24 15'	532.00
			–	130405456	Nonwoven Geotextile NW24 15'	529.00
10			–	130405457	Nonwoven Geotextile NW24 15'	529.00
11			–	130405458	Nonwoven Geotextile NW24 15'	529.00
12			–	130405459	Nonwoven Geotextile NW24 15'	525.00
13			–	130405460	Nonwoven Geotextile NW24 15'	525.00
14			–	130405461	Nonwoven Geotextile NW24 15'	523.00
15			–	130405462	Nonwoven Geotextile NW24 15'	525.00
16			–	130405463	Nonwoven Geotextile NW24 15'	525.00
17			–	130405464	Nonwoven Geotextile NW24 15'	525.00
18			–	130405465	Nonwoven Geotextile NW24 15'	523.00
19			–	130405466	Nonwoven Geotextile NW24 15'	523.00
20			–	130405467	Nonwoven Geotextile NW24 15'	523.00
21			–	130405468	Nonwoven Geotextile NW24 15'	523.00
22			–	130405469	Nonwoven Geotextile NW24 15'	524.00
23			–	130405470	Nonwoven Geotextile NW24 15'	525.00
24			–	130405471	Nonwoven Geotextile NW24 15'	527.00
25			–	130405472	Nonwoven Geotextile NW24 15'	527.00
26			–	130405473	Nonwoven Geotextile NW24 15'	525.00

Total quantity: **Total weight:**

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer PO number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034531

Seal numbers

Truckers P.O. #
PO2300

Driver requirements: TRL # TR 01

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: D Johnson Trucking

Carrier signature: _____

Date: 8/18/11

GSE 7.5.5–007

CONSIGNEE

REV02 – Date 06/12/01

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0055723

...ed at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ...ed as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 8/18/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27				130405474 Nonwoven Geotextile NW24 15'	523.00
28				130405475 Nonwoven Geotextile NW24 15'	523.00
29				130405476 Nonwoven Geotextile NW24 15'	525.00
30				130405477 Nonwoven Geotextile NW24 15'	524.00
	1	FREIGHTGEO002	EA	DOM. SHIPPING CHARGE	
31				DOM. SHIPPING CHARGE	0.00

NO CARTS

DNH

REC'D ALL GOOD CONDITION 8/19/11

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer PO number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034531

Seal numbers

Truckers P.O. #
PO2300

Total quantity: 9,934 **Total weight:** 15,822.00

Driver requirements:

...iver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: D Johnson Trucking

Carrier signature: _____

Date: _____

CONSIGNEE

GSE GSE Nonwoven Technology

Roll Test Data Report

Bill of Lading: 55723

Sales Order No.	Project Number	Customer Name	Project Location	Product Name	Report Date
64402		Chenango Contracting	Syracuse, NY	GEO-240E-EBN-E	8/18/2011 *Modified

GSE QC APPROVED

	ASTM D 4833	ASTM D 4533			ASTM D 4632			ASTM D 5199	ASTM D 5261
	Puncture Resistance (lbs)	Trap Tear Strength CD (lbs)	Trap Tear Strength MD (lbs)	Grab Elongation CD (%)	Grab Elongation MD (%)	Grab Strength CD (lbs)	Grab Strength MD (lbs)	Thickness (mils)	Mass per Unit Area (oz/yd2)
Roll No.	every 30th	every 30th			every 30th			every 30th	every 30th
130405443	319	405	319	128	132	991	634	217	24.3
130405444	369	522	305	123	145	988	650	230	25.1
130405445	369	522	305	123	145	988	650	230	25.1
130405447	369	522	305	123	145	988	650	230	25.1
130405452	369	522	305	123	145	988	650	230	25.1
130405453	369	522	305	123	145	988	650	230	25.1
130405454	369	522	305	123	145	988	650	230	25.1
130405455	369	522	305	123	145	988	650	230	25.1
130405456	369	522	305	123	145	988	650	230	25.1
130405457	369	522	305	123	145	988	650	230	25.1
130405458	369	522	305	123	145	988	650	230	25.1
130405459	369	522	305	123	145	988	650	230	25.1
130405460	369	522	305	123	145	988	650	230	25.1
130405461	369	522	305	123	145	988	650	230	25.1
130405462	369	522	305	123	145	988	650	230	25.1
130405463	369	522	305	123	145	988	650	230	25.1
130405464	369	522	305	123	145	988	650	230	25.1
130405465	369	522	305	123	145	988	650	230	25.1
130405466	369	522	305	123	145	988	650	230	25.1
130405467	369	522	305	123	145	988	650	230	25.1
130405468	369	522	305	123	145	988	650	230	25.1
130405469	369	522	305	123	145	988	650	230	25.1
130405470	369	522	305	123	145	988	650	230	25.1

MQC Data Reviewed

26 rolls out of 30
(2 QC samples)

Approved By: Vicky T. Parrott

This test report shall not be reproduced, except in full, without written approval of the laboratory.

08/18/2011 THU 9:51 FAX 2812306787 GSE Lab --- Kingstree Shipping 0006/008

GSE Nonwoven Technology

Roll Test Data Report

Bill of Lading: 55723

Sales Order No.	Project Number	Customer Name	Project Location	Product Name	Report Date
64402		Chenango Contracting	Syracuse, NY	GEO-240E-EBN-E-00	8/18/2011 *Modified

QC APPROVED

	ASTM D 4833	ASTM D 4533			ASTM D 4632			ASTM D 5199	ASTM D 5261
Roll No.	Puncture Resistance (lbs)	Trap Tear Strength CD (lbs)	Trap Tear Strength MD (lbs)	Grab Elongation CD (%)	Grab Elongation MD (%)	Grab Strength CD (lbs)	Grab Strength MD (lbs)	Thickness (mils)	Mass per Unit Area (oz./yd2)
	every 30th	every 30th			every 30th			every 30th	every 30th
130405471	369	522	305	123	145	988	650	230	25.1
130405472	369	522	305	123	145	988	650	230	25.1

MQC DATA Reviewed DWD

Approved By: Vicky T. Parrott

This test report shall not be reproduced, except in full, without written approval of the laboratory.

8/18/2011 THU 9:51 FAX 2812306787 GSE Lab --> Kingstree Shipping

GSE Nonwoven Technology

Roll Test Data Report

Bill of Lading: 55723

Sales Order No.	Project Number	Customer Name	Project Location	Product Name	Report Date
64402		Chenango Contracting	Syracuse, NY	GEO-240E-EBN-E-00	8/18/2011 *Modified

GSE QC APPROVED

	ASTM D 4833	ASTM D 4533			ASTM D 4632			ASTM D 5199	ASTM D 5261
	Puncture Resistance	Trap Tear Strength CD	Trap Tear Strength MD	Grab Elongation CD	Grab Elongation MD	Grab Strength CD	Grab Strength MD	Thickness	Mass per Unit Area
	(lbs)	(lbs)	(lbs)	(%)	(%)	(lbs)	(lbs)	(mils)	(oz./yd2)
Roll No.	every 30th	every 30th			every 30th			every 30th	every 30th
130405473	369	522	305	123	145	988	650	230	25.1

MQC DATA REVIEWED DWH

Approved By: Vicky T. Parrott

This test report shall not be reproduced, except in full, without written approval of the laboratory.

08/18/2011 THU 9:51 FAX 2812306787 GSE Lab --- Kingstree Shipping

002/002

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0055864

eived at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and stined as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: **Chenango Honeywell**
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: **8/22/2011**

Branch plant: **1503**

Sales order: **SO–064402**

Shipping instructions: **call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989**

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions		Weight
	9,900	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'		
1				130405361	Nonwoven Geotextile NW24 15'	531.00
2				130405362	Nonwoven Geotextile NW24 15'	531.00
3				130405369	Nonwoven Geotextile NW24 15'	533.00
4				130405370	Nonwoven Geotextile NW24 15'	537.00
5				130405371	Nonwoven Geotextile NW24 15'	537.00
6				130405372	Nonwoven Geotextile NW24 15'	538.00
7				130405373	Nonwoven Geotextile NW24 15'	531.00
8				130405374	Nonwoven Geotextile NW24 15'	532.00
9				130405375	Nonwoven Geotextile NW24 15'	532.00
10				130405376	Nonwoven Geotextile NW24 15'	533.00
11				130405377	Nonwoven Geotextile NW24 15'	532.00
12				130405378	Nonwoven Geotextile NW24 15'	533.00
13				130405385	Nonwoven Geotextile NW24 15'	527.00
14				130405386	Nonwoven Geotextile NW24 15'	528.00
15				130405387	Nonwoven Geotextile NW24 15'	529.00
16				130405388	Nonwoven Geotextile NW24 15'	528.00
17				130405389	Nonwoven Geotextile NW24 15'	526.00
18				130405390	Nonwoven Geotextile NW24 15'	526.00
19				130405391	Nonwoven Geotextile NW24 15'	527.00
20				130405392	Nonwoven Geotextile NW24 15'	526.00
21				130405393	Nonwoven Geotextile NW24 15'	526.00
22				130405394	Nonwoven Geotextile NW24 15'	528.00
23				130405395	Nonwoven Geotextile NW24 15'	528.00
24				130405396	Nonwoven Geotextile NW24 15'	529.00
25				130405397	Nonwoven Geotextile NW24 15'	531.00
26				130405398	Nonwoven Geotextile NW24 15'	531.00

Total quantity: **Total weight:**

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer PO number

2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

_____

Signature of Consignor

Local Verification Signed

X _____

PRO Number

KT034537

Seal numbers

Truckers P.O. #

PO2300

Driver requirements:

Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: **K&J Transport**

Carrier signature: _____

Date: _____

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0055861

...d at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ...d as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 8/22/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
	11,880	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'	
1				130405400 Nonwoven Geotextile NW24 15'	530.00
2				130405401 Nonwoven Geotextile NW24 15'	528.00
3				130405402 Nonwoven Geotextile NW24 15'	529.00
4				130405403 Nonwoven Geotextile NW24 15'	528.00
5				130405404 Nonwoven Geotextile NW24 15'	527.00
6				130405405 Nonwoven Geotextile NW24 15'	529.00
7				130405406 Nonwoven Geotextile NW24 15'	525.00
				130405407 Nonwoven Geotextile NW24 15'	531.00
				130405408 Nonwoven Geotextile NW24 15'	525.00
10				130405411 Nonwoven Geotextile NW24 15'	529.00
11				130405412 Nonwoven Geotextile NW24 15'	528.00
12				130405413 Nonwoven Geotextile NW24 15'	526.00
13				130405414 Nonwoven Geotextile NW24 15'	524.00
14				130405415 Nonwoven Geotextile NW24 15'	526.00
15				130405416 Nonwoven Geotextile NW24 15'	522.00
16				130405417 Nonwoven Geotextile NW24 15'	523.00
17				130405418 Nonwoven Geotextile NW24 15'	523.00
18				130405419 Nonwoven Geotextile NW24 15'	523.00
19				130405420 Nonwoven Geotextile NW24 15'	523.00
20				130405421 Nonwoven Geotextile NW24 15'	519.00
21				130405422 Nonwoven Geotextile NW24 15'	520.00
22				130405423 Nonwoven Geotextile NW24 15'	520.00
23				130405424 Nonwoven Geotextile NW24 15'	520.00
24				130405425 Nonwoven Geotextile NW24 15'	520.00
25				130405426 Nonwoven Geotextile NW24 15'	520.00
26				130405427 Nonwoven Geotextile NW24 15'	523.00

Total quantity: **Total weight:**

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer PO number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034536

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: D Johnson Trucking

Carrier signature: _____

Date: _____

CONSIGNEE

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0055861

ed at Kingstree, SC from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and d as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 8/22/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27				T30405428 Nonwoven Geotextile NW24 15'	529.00
28				130405430 Nonwoven Geotextile NW24 15'	522.00
29				130405431 Nonwoven Geotextile NW24 15'	523.00
30				130405432 Nonwoven Geotextile NW24 15'	520.00
31				130405434 Nonwoven Geotextile NW24 15'	524.00
32				130405437 Nonwoven Geotextile NW24 15'	523.00
33				130405438 Nonwoven Geotextile NW24 15'	529.00
34				130405440 Nonwoven Geotextile NW24 15'	525.00
35				130405441 Nonwoven Geotextile NW24 15'	527.00
				130405442 Nonwoven Geotextile NW24 15'	522.00
	1	FREIGHTGEO002	EA	DOM. SHIPPING CHARGE	
37				DOM. SHIPPING CHARGE	0.00

Rec'd All GOOD Condition
8/23/11

Total quantity: 11,881 **Total weight:** 18,885.00

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer PO number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed
X

PRO Number
KT034536

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

iver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: D Johnson Trucking

Carrier signature: _____

Date: _____

CONSIGNEE

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/22/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	BL-0055861

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130405400	25.7	725	971	147	116	286	564	364
130405401	25.7	725	971	147	116	286	564	364
130405402	25.7	725	971	147	116	286	564	364
130405403	25.7	725	971	147	116	286	564	364
130405404	25.7	725	971	147	116	286	564	364
130405405	25.7	725	971	147	116	286	564	364
130405406	25.7	725	971	147	116	286	564	364
130405407	25.7	725	971	147	116	286	564	364
130405408	25.7	725	971	147	116	286	564	364
130405411	25.7	725	971	147	116	286	564	364
130405412	25.7	725	971	147	116	286	564	364
130405413	24.1	634	991	132	128	319	405	319
130405414	24.1	634	991	132	128	319	405	319
130405415	24.1	634	991	132	128	319	405	319
130405416	24.1	634	991	132	128	319	405	319
130405417	24.1	634	991	132	128	319	405	319
130405418	24.1	634	991	132	128	319	405	319
130405419	24.1	634	991	132	128	319	405	319
130405420	24.1	634	991	132	128	319	405	319
130405421	24.1	634	991	132	128	319	405	319
130405422	24.1	634	991	132	128	319	405	319
130405423	24.1	634	991	132	128	319	405	319
130405424	24.1	634	991	132	128	319	405	319
130405425	24.1	634	991	132	128	319	405	319
130405426	24.1	634	991	132	128	319	405	319
130405427	24.1	634	991	132	128	319	405	319
130405428	24.1	634	991	132	128	319	405	319
130405430	24.1	634	991	132	128	319	405	319
130405431	24.1	634	991	132	128	319	405	319
130405432	24.1	634	991	132	128	319	405	319
130405434	24.1	634	991	132	128	319	405	319
130405437	24.1	634	991	132	128	319	405	319
130405438	24.1	634	991	132	128	319	405	319
130405440	24.1	634	991	132	128	319	405	319

MQC DATA REVIEWED PWH

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/22/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	BL-0055861

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130405441	24.1	634	991	132	128	319	405	319
130405442	24.1	634	991	132	128	319	405	319

M QC DATA REVIEWED DMR

36 rolls
(2 QC samples)

Laboratory Manager Jane Allen

This test report shall not be reproduced, except in full, without written approval of the laboratory.

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0056021

ed at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ed as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 8/25/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

EM 8/29/11

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions		Weight
	9,900	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'		
1				130405324	Nonwoven Geotextile NW24 15'	563.00
2				130405325	Nonwoven Geotextile NW24 15'	535.00
3				130405329	Nonwoven Geotextile NW24 15'	545.00
4				130405331	Nonwoven Geotextile NW24 15'	535.00
5				130405332	Nonwoven Geotextile NW24 15'	534.00
6				130405333	Nonwoven Geotextile NW24 15'	535.00
7				130405339	Nonwoven Geotextile NW24 15'	531.00
				130405340	Nonwoven Geotextile NW24 15'	528.00
				130405341	Nonwoven Geotextile NW24 15'	529.00
10				130405342	Nonwoven Geotextile NW24 15'	527.00
11				130405345	Nonwoven Geotextile NW24 15'	528.00
12				130405346	Nonwoven Geotextile NW24 15'	529.00
13				130405349	Nonwoven Geotextile NW24 15'	528.00
14				130405350	Nonwoven Geotextile NW24 15'	526.00
15				130405351	Nonwoven Geotextile NW24 15'	523.00
16				130405352	Nonwoven Geotextile NW24 15'	524.00
17				130405353	Nonwoven Geotextile NW24 15'	533.00
18				130405354	Nonwoven Geotextile NW24 15'	532.00
19				130405355	Nonwoven Geotextile NW24 15'	531.00
20				130405356	Nonwoven Geotextile NW24 15'	531.00
21				130405360	Nonwoven Geotextile NW24 15'	524.00
22				130405363	Nonwoven Geotextile NW24 15'	529.00
23				130405364	Nonwoven Geotextile NW24 15'	532.00
24				130405368	Nonwoven Geotextile NW24 15'	527.00
25				130405379	Nonwoven Geotextlle NW24 15'	530.00
26				130405380	Nonwoven Geotextile NW24 15'	536.00

Total quantity: **Total weight:**

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer PO number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034550

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: D Johnson Trucking

Carrier signature: _____

Date: 8/29/11

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0056021

ed at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ied as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: **Chenango Honeywell**
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: **8/25/2011**
Branch plant: **1503**
Sales order: **SO–064402**

Shipping instructions: **call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989**

Ent 8/29/11

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27				130405381 Nonwoven Geotextile NW24 15'	535.00
28				130405382 Nonwoven Geotextile NW24 15'	528.00
29				130405383 Nonwoven Geotextile NW24 15'	523.00
30				130405384 Nonwoven Geotextile NW24 15'	527.00
	1	FREIGHTGEO002	EA	DOM. SHIPPING CHARGE	
31				DOM. SHIPPING CHARGE	0.00

Recd All Good condition
8/26/11
Burt D. Bangner

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer PO number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Local Verification Signed

X

PRO Number
KT034550

Seal numbers

Truckers P.O. #
PO2300

Total quantity: **9,901** **Total weight:** **15,938.00**

Driver requirements:

1) Driver must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: **D Johnson Trucking**

Carrier signature: _____

Date: _____

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/25/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	BL-0056021

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130405324	26.3	706	987	136	130	541	564	389
130405325	26.3	706	987	136	130	541	564	389
130405329	26.3	706	987	136	130	541	564	389
130405331	26.3	706	987	136	130	541	564	389
130405332	26.3	706	987	136	130	541	564	389
130405333	26.3	706	987	136	130	541	564	389
130405339	26.3	706	987	136	130	541	564	389
130405340	26.3	706	987	136	130	541	564	389
130405341	26.3	706	987	136	130	541	564	389
130405342	26.3	706	987	136	130	541	564	389
130405345	26.3	706	987	136	130	541	564	389
130405346	26.3	706	987	136	130	541	564	389
130405349	26.3	706	987	136	130	541	564	389
130405350	26.3	706	987	136	130	541	564	389
130405351	26.3	706	987	136	130	541	564	389
130405352	26.3	706	987	136	130	541	564	389
130405353	25.3	694	969	141	122	292	514	367
130405354	25.3	694	969	141	122	292	514	367
130405355	25.3	694	969	141	122	292	514	367
130405356	25.3	694	969	141	122	292	514	367
130405360	25.3	694	969	141	122	292	514	367
130405363	25.3	694	969	141	122	292	514	367
130405364	25.3	694	969	141	122	292	514	367
130405368	25.3	694	969	141	122	292	514	367
130405379	25.3	694	969	141	122	292	514	367
130405380	25.3	694	969	141	122	292	514	367
130405381	25.3	694	969	141	122	292	514	367
130405382	25.3	694	969	141	122	292	514	367
130405383	25.7	725	971	147	116	286	564	364
130405384	25.7	725	971	147	116	286	564	364

MQC DATA REVIEWED DWH

Σ 30 rolls
(3 QC samples)

Laboratory Manager Jane Allen

This test report shall not be reproduced, except in full, without written approval of the laboratory.

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0056131

ed at **Kingstree, SC** from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ..ed as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 8/29/2011
Branch plant: 1503
Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions		Weight
	9,900	GEO–240E–EBN–E–00	SY	Nonwoven Geotextile NW24 15'		
1				130394831	Nonwoven Geotextile NW24 15'	540.00
2				130401884	Nonwoven Geotextile NW24 15'	525.00
3				130405322	Nonwoven Geotextile NW24 15'	533.00
4				130405323	Nonwoven Geotextile NW24 15'	563.00
5				130405326	Nonwoven Geotextile NW24 15'	513.00
6				130405327	Nonwoven Geotextile NW24 15'	524.00
7				130405328	Nonwoven Geotextile NW24 15'	529.00
				130405330	Nonwoven Geotextile NW24 15'	537.00
				130405334	Nonwoven Geotextile NW24 15'	535.00
10				130405335	Nonwoven Geotextile NW24 15'	537.00
11				130405336	Nonwoven Geotextile NW24 15'	536.00
12				130405337	Nonwoven Geotextile NW24 15'	519.00
13				130405338	Nonwoven Geotextile NW24 15'	524.00
14				130405343	Nonwoven Geotextile NW24 15'	528.00
15				130405344	Nonwoven Geotextile NW24 15'	529.00
16				130405347	Nonwoven Geotextile NW24 15'	527.00
17				130405348	Nonwoven Geotextile NW24 15'	527.00
18				130405357	Nonwoven Geotextile NW24 15'	532.00
19				130405358	Nonwoven Geotextile NW24 15'	531.00
20				130405359	Nonwoven Geotextile NW24 15'	531.00
21				130405365	Nonwoven Geotextile NW24 15'	531.00
22				130405366	Nonwoven Geotextile NW24 15'	530.00
23				130405367	Nonwoven Geotextile NW24 15'	529.00
24				130405435	Nonwoven Geotextile NW24 15'	521.00
25				130405436	Nonwoven Geotextile NW24 15'	523.00
26				130405446	Nonwoven Geotextlle NW24 15'	525.00

Total quantity: **Total weight:**

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer PO number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

_____
Signature of Consignor

Local Verification Signed

X _____

PRO Number
KT034551

Seal numbers

Truckers P.O. #
PO2300

Driver requirements:

..river must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: D Johnson Trucking

Carrier signature: _____

Date: _____

Shipping Order – Packing List – Original – Not Negotiable

GSE Lining Technology, LLC. Kingstree, SC

Number BL–0056131

...ed at Kingstree, SC from GSE Lining Technology, LLC the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and ...ied as indicated below, which said Carrier agrees to carry to the place of delivery at said destination. It is mutually agreed as to each Carrier of all or any said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to the rates and contract agreed to in writing by GSE Lining Technology, LLC and Carrier. GSE Lining Technology, LLC s obligation to pay freight charges for the shipment is conditioned on (1) the existence of a separate written contract with the carrier transporting the freight and (2) the carrier s name appearing on this Bill of Lading, and other carriers must look solely to a party other than GSE Lining Technology, LLC for payment.

Ship to: Chenango Honeywell
522 Gear Lock Road
Ron Prohaska 716–564–7033
Syracuse, NY 13209

Ship date: 8/29/2011

Branch plant: 1503

Sales order: SO–064402

Shipping instructions: call 24 hrs B4 delivery Ron Prohaska@ 716–564–7033 or Ken Sommerfield @ 315–466–3989

Line no.	Shipped quantity	Product code	UM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight
27				130405448 Nonwoven Geotextile NW24 15'	520.00
28				130405449 Nonwoven Geotextile NW24 15'	525.00
29				130405450 Nonwoven Geotextile NW24 15'	525.00
30				130405451 Nonwoven Geotextile NW24 15'	523.00
	1	FREIGHTGEO002	EA	DOM. SHIPPING CHARGE	
31				DOM. SHIPPING CHARGE	0.00

Rec. 8/26/11
All goods cond. now
Brett D. Berger

Freight charges are prepaid unless marked collect.

Check box if collect ☐

Customer PO number
2196

If this shipment is to be delivered to consignee, consignor shall sign the following statement.

Carrier may decline to deliver this shipment without payment of freight and all other lawful charges.

_____
Signature of Consignor

Local Verification Signed

X _____

PRO Number
KT034551

Seal numbers

Truckers P.O. #
PO2300

Total quantity: 9,901

Total weight: 15,872.00

Driver requirements:

...river must pre call 24 hrs prior to delivery and on Friday for Monday delivery.
2) Driver must call (843) 201–1520 when unloaded.
3) Driver must call and advise any delay in transit.
4) A copy of this bill of lading must accompany Freight Invoice.

Carrier name: D Johnson Trucking

Carrier signature: _____

Date: _____

GSE Lining Technology, LLC.

ROLL TEST DATA REPORT

GSE QC APPROVED

Report Date: 8/29/2011

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
SO-064402	Chenango Contracting	Syracuse NY US	GEO-240E-EBN-E-00	BL-0056131

Roll Number	ASTM D5261 Mass per Unit Area (oz/yd²)	ASTM D4632 Grab Strength (lbs) MD	ASTM D4632 Grab Strength (lbs) TD	ASTM D4632 Grab Elongation (%) MD	ASTM D4632 Grab Elongation (%) TD	ASTM D4533 Trapezoidal Tear (lbs) MD	ASTM D4533 Trapezoidal Tear (lbs) TD	Puncture Resistance ASTM D4833(lbs)
130394831	26.1	629	929	176	135	285	497	349
130401884	25.8	673	987	138	133	320	521	349
130405322	25.8	674	987	138	118	537	564	349
130405323	26.3	706	987	136	130	541	564	389
130405326	26.3	706	987	136	130	541	564	389
130405327	26.3	706	987	136	130	541	564	389
130405328	26.3	706	987	136	130	541	564	389
130405330	26.3	706	987	136	130	541	564	389
130405334	26.3	706	987	136	130	541	564	389
130405335	26.3	706	987	136	130	541	564	389
130405336	26.3	706	987	136	130	541	564	389
130405337	26.3	706	987	136	130	541	564	389
130405338	26.3	706	987	136	130	541	564	389
130405343	26.3	706	987	136	130	541	564	389
130405344	26.3	706	987	136	130	541	564	389
130405347	26.3	706	987	136	130	541	564	389
130405348	26.3	706	987	136	130	541	564	389
130405357	25.3	694	969	141	122	292	514	367
130405358	25.3	694	969	141	122	292	514	367
130405359	25.3	694	969	141	122	292	514	367
130405365	25.3	694	969	141	122	292	514	367
130405366	25.3	694	969	141	122	292	514	367
130405367	25.3	694	969	141	122	292	514	367
130405435	24.1	634	991	132	128	319	405	319
130405436	24.1	634	991	132	128	319	405	319
130405446	25.1	650	988	145	123	305	522	369
130405448	25.1	650	988	145	123	305	522	369
130405449	25.1	650	988	145	123	305	522	369
130405450	25.1	650	988	145	123	305	522	369
130405451	25.1	650	988	145	123	305	522	369

MQC DATA REVIEWED DWH

30 rolls
(5 QC samples)

Laboratory Manager Jane Allen

This test report shall not be reproduced, except in full, without written approval of the laboratory.

Sump Manhole / Pipe

VARI-TECH LLC
4545 WETZEL ROAD
'VERPOOL, NY 13090
A

Voice: 315-622-1800
Fax: 315-622-1811

SALES ORDER PICKING LIST

Sales Order Number: 1238592
Sales Order Date: Sep 27, 2011
Ship By: Sep 27, 2011
Page: 1

To:	Ship To:
PARSONS - PROCUREMENT ATTN: LAURIE-ANNE HUDGEONS 8000 CENTRE PARK, SUITE 200 AUSTIN, TX 78754	PARSONS BILL MATHE HONEYWELL SYRACUSE, NY

Customer ID	PO Number	Sales Rep Name
PARSONS -PROCUREMENT	446345.00002 #10	TRACY GUHIN
Customer Contact	**Shipping Method**	**Payment Terms**
	VAN TRAILOR	Net 30 Days

Quantity	Item	Description	Shipped Prior	This Shipment
		* ALL ITEMS PREVIOUSLY INVOICED EXCLUDING FREIGHT.		
4.00	VT	24" PLASSON EF CPLG IPS		
48.00	VT	12" PLASSON EF CPLG IPS		
56.00	VT	12" IPS SDR 17 22.5 DEGREE FABRICATED ELBOW		
36.00	VT	12" IPS SDR 11 67 DEGREE 3 SEGMENT FABRICATED ELBOW		
6.00	VT	24" SDR 17 IPS 22.5 DEG EL		
8.00	VT	12" WYE SDR 11		
1.00	FRT SO	FOB ORIGIN. FREIGHT CHARGES		

VARI-TECH LLC
1545 WETZEL ROAD
LIVERPOOL, NY 13090

Voice: 315-622-1800
Fax: 315-622-1811

SALES ORDER PICKING LIST

Sales Order Number: 1238593
Sales Order Date: Sep 27, 2011
Ship By: Sep 27, 2011
Page: 1

To:
PARSONS - PROCUREMENT ATTN: LAURIE ANNE HUDGEONS 8000 CENTRE PARK, SUITE 200 AUSTIN, TX 78754

Ship To:
PARSONS HONEYWELL BILL MATHE SYRACUSE, NY

Customer ID	PO Number	Sales Rep Name
PARSONS -PROCUREMENT	446345.00002 #10	TRACY GUHIN
Customer Contact	**Shipping Method**	**Payment Terms**
	FLATBED TRK	Net 30 Days

Quantity	Item	Description	Shipped Prior	This Shipment
1.00	VT	36" X 24" SDR 17 HEADER COMPLETE WITH FOLLOWING: * OVERALL LENGTH 60' AS REQUESTED, END SEAL ON 1 END. * EACH CONSISTING OF (4) 24" SDR 17 OUTLETS TO BE FUSED TO CULVERT PIPE RUNS. * SPACING BETWEEN PIPE IS 30" MINIMUM.		
1.00	FRT SO	FOB ORIGIN. FREIGHT CHARGES FOR ABOVE MANIFOLD.		
4.00	VT	24" X 12" MANIFOLDS, CONCENTRIC, NOT ECCENTRIC AS SHOWN. EACH CONSISTING OF: * 25' OF 24" SDR 17 WITH (8) 12" SDR 17 MANIFOLD OUTLETS * 2' SPACING PREPARED FOR ELECTROFUSION 12" PERFORATED PIPE		
4.00	FRT SO	FOB ORIGIN. FREIGHT CHARGES FOR ABOVE MANIFOLDS.		

VARI-TECH LLC
4545 WETZEL ROAD
LIVERPOOL, NY 13090
USA

Voice: 315-622-1800
Fax: 315-622-1811

SALES ORDER PICKING LIST

Sales Order Number: 1238598
Sales Order Date: Sep 28, 2011
Ship By: Sep 28, 2011
Page: 1

To:
PARSONS - PROCUREMENT ATTN: LAURIE ANNE HUDGEONS 8000 CENTRE PARK, SUITE 200 AUSTIN, TX 78754

Ship To:
PARSONS HONEYWELL BILL MATHE SYRACUSE, NY

Customer ID	PO Number	Sales Rep Name
PARSONS-PROCUREMENT	446345.00002 #10	TRACY GUHIN
Customer Contact	**Shipping Method**	**Payment Terms**
	FLATBED TRK	Net 30 Days

Quantity	Item	Description	Shipped Prior	This Shipment
4.00	VT	60" ID, CLASS 100 HDPE MANHOLES 40' TALL, EACH SHIPPED IN (4) SECTIONS AS FOLLOWS: EACH BOTTOM SECTION 10' TALL CONSISTING OF: SPIGOT AT TOP, 30' GROUNDWATER BOTTOM EXTENDED 4" PAST MANHOLE OD FOR ANTI-FLOTATION, (200) 1" DIAMETER PERFORATIONS PER DETAIL (4) 12" IPS SDR 11 PE X PE STUB OUTS, (1) 60" SPIGOT GASKET, (2) LIFTING LUGS. * NO NUTS, BOLTS, GASKETS, OR OTHER APPURTENANCES INCLUDED.		
1.00	FRT SO	FOB ORIGIN. FREIGHT CHARGES		

VARI-TECH LLC
4545 WETZEL ROAD
LIVERPOOL, NY 13090
USA

Voice: 315-622-1800
Fax: 315-622-1811

SALES ORDER PICKING LIST

Sales Order Number: 1238599
Sales Order Date: Sep 28, 2011
Ship By: Sep 28, 2011
Page: 1

To:
PARSONS - PROCUREMENT ATTN: LAURIE ANNE HUDGEONS 8000 CENTRE PARK, SUITE 200 AUSTIN, TX 78754

Ship To:
PARSONS HONEYWELL BILL MATHE SYRACUSE, NY

Customer ID	PO Number	Sales Rep Name
PARSONS-PROCUREMENT	446345.00002 #10	TRACY GUHIN
Customer Contact	**Shipping Method**	**Payment Terms**
	FLATBED TRK	Net 30 Days

Quantity	Item	Description	Shipped Prior	This Shipment
4.00	VT	60" ID, CLASS 100 HDPE MANHOLES 40' TALL, EACH SHIPPED IN (4) SECTIONS AS FOLLOWS: EACH BOTTOM SECTION 10' TALL CONSISTING OF: SPIGOT AT TOP, 30' GROUNDWATER BOTTOM EXTENDED 4" PAST MANHOLE OD FOR ANTI-FLOTATION, (200) 1" DIAMETER PERFORATIONS PER DETAIL (4) 12" IPS SDR 11 PE X PE STUB OUTS, (1) 60" SPIGOT GASKET, (2) LIFTING LUGS. * NO NUTS, BOLTS, GASKETS, OR OTHER APPURTENANCES INCLUDED.		
1.00	FRT SO	FOB ORIGIN. FREIGHT CHARGES		

VARI-TECH LLC
4545 WETZEL ROAD
LIVERPOOL, NY 13090
USA

Voice: 315-622-1800
Fax: 315-622-1811

SALES ORDER PICKING LIST

Sales Order Number: 1238550
Sales Order Date: Sep 23, 2011
Ship By: Sep 23, 2011
Page: 1

To:
PARSONS - PROCUREMENT ATTN: LAURIE ANNE HUDGEONS 8000 CENTRE PARK, SUITE 200 AUSTIN, TX 78754

Ship To:
PARSONS HONEYWELL BILL MATHE (315) 427-0355 SYRACUSE, NY

Customer ID	PO Number	Sales Rep Name
PARSONS -PROCUREMENT	446199334244840	TRACY GUHIN
Customer Contact	**Shipping Method**	**Payment Terms**
	FLATBED TRK	Net 30 Days

Quantity	Item	Description	Shipped Prior	This Shipment
50.00	24 11 50	24"SDR 11 IPS 4100 PIPE X 50'		
480.00	VT	12" SDR 17 X 40' PERFORATED PIPE (ALREADY INVOICED)		
1.00	FRT SO	FOB ORIGIN. FREIGHT CHARGES		

Venir
Tr/ 128
Jon Rynn
9/26/11

VE Po # 54280

VARI-TECH LLC
4545 WETZEL ROAD
LIVERPOOL, NY 13090
USA

Voice: 315-622-1800
Fax: 315-622-1811

SALES ORDER PICKING LIST

Sales Order Number: 1238391
Sales Order Date: Sep 8, 2011
Ship By: Sep 8, 2011
Page: 1

To:
PARSONS - PROCUREMENT ATTN: LAURIE ANNE HUDGEONS 8000 CENTRE PARK, SUITE 200 AUSTIN, TX 78754

Ship To:
PARSONS HONEYWELL BILL MATHE 315-412-9487 SYRACUSE, NY

Customer ID	PO Number	Sales Rep Name
PARSONS -PROCUREMENT	446345.00002 #10	TRACY GUHIN
Customer Contact	**Shipping Method**	**Payment Terms**
	FLATBED TRK	Net 30 Days

Quantity	Item	Description	Shipped Prior	This Shipment
200.00	VT ✓	24" SDR 11 IPS X 50' (ALREADY INVOICED)		
120.00	24 17 50 ✓	24" SDR17 IPS PERFORATED PIPEx50 (R10-16)		
800.00	VT ✓	12" SDR 11 X 50' PERFORATED PIPE (ALREADY INVOICED)		
320.00	VT ✓	12" SDR 17 X 40' PERFORATED PIPE (ALREADY INVOICED)		
1.00	FRT SO	FOB ORIGIN. FREIGHT CHARGES		

ECH LLC
ITZEL ROAD
OOL, NY 13090

Voice: 315-622-1800
Fax: 315-622-1811

SALES ORDER PICKING LIST

Sales Order Number: 1238343
Sales Order Date: Sep 2, 2011
Ship By: Sep 2, 2011
Page: 1

East Sump
446199-SCA-33440

To:
PARSONS - PROCUREMENT ATTN: LAURIE ANNE HUDGEONS 8000 CENTRE PARK, SUITE 200 AUSTIN, TX 78754

Ship To:
PARSONS HONEYWELL SPA GARY LAWRENCE 760-8543 SYRACUSE, NY

Customer ID	PO Number	Sales Rep Name
PARSONS -PROCUREMENT	446806.02000	TRACY GUHIN
Customer Contact	**Shipping Method**	**Payment Terms**
	FLATBED TRK	Net 30 Days

Quantity	Item	Description	Shipped Prior	This Shipment
1,200.00	6 17	6" 17 IPS X 40'		
1.00	T 6 SS X MT	6" HDPEX 316 SS MT TRANSITION		
1.00	FRT SO	FOB ORIGIN. FREIGHT CHARGES		