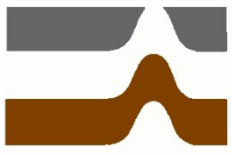
Geotechnical and Geosynthetic
Construction Quality Assurance Report
for CCSWDC, Phase I Closure
Sarasota County, Florida

VOLUME 3 of 4



Ardaman & Associates, Inc.

OFFICES

FLORIDA
Orlando, 8008 S. Orange Avenue, Orlando, Florida 32809, Phone (407) 855-3860
Bartow, 1525 Centennial Drive, Bartow, Florida 33830, Phone (863) 533-0858
Cocoa, 1300 N. Cocoa Boulevard, Cocoa, Florida 32922, Phone (321) 632-2503
Fort Myers, 9970 Bavaria Road, Fort Myers, Florida 33913, Phone (239) 768-6600
Miami, 2608 W. 84th Street, Hialeah, Florida, 33016, Phone (305) 825-2683
Port St. Lucie, 460 NW Concourse Place, Unit #1, Port St. Lucie, Florida 34986-2248, Phone (772) 878-0072
Sarasota, 78 Sarasota Center Boulevard, Sarasota, Florida 34240, Phone (941) 922-3526
Tallahassee, 3175 West Tharpe Street, Tallahassee, Florida 32303, Phone (850) 576-6131
Tampa, 3925 Coconut Palm Drive, Suite 115, Tampa, Florida 33619, Phone (813) 620-3389
West Palm Beach, 2511 Westgate Avenue, Suite 10, West Palm Beach, Florida 33409, Phone (561) 687-8200
LOUISIANA
Alexandria, 3609 MacLee Drive, Alexandria, Louisiana 71302, Phone (318) 443-2888
Baton Rouge, 316 Highlandia Drive, Baton Rouge, Louisiana 70810, Phone (225) 752-4790
Monroe, 1122 Hayes Street, Monroe, Louisiana 71292, Phone (318) 387-4103
New Orleans, 1305 Distributors Row, Suite 1, Jefferson, Louisiana 70123, Phone (504) 835-2593
Shreveport, 7222 Greenwood Road, Shreveport, Louisiana 71119, Phone (318) 636-3723

MEMBERS:
A.S.F.E.
American Concrete Institute
American Society for Testing and Materials
Florida Institute of Consulting Engineers

APPENDIX 10

Construction Quality Assurance Test Results For Asphaltic Concrete

Ardaman & Associates, Inc.

ARDAMAN & ASSOCIATES INC
78 SARASOTA CENTER BOULEVARD
SARASOTA FL 34240
Phone (941) 922-3526
Fax (941) 922-6743

REPORT OF
IN-PLACE DENSITY OF COMPACTED BITUMINOUS CONCRETE

CLIENT: HDR ENGINEERING, INC.
5426 BAY CENTER DR
STE 400
TAMPA FL 33609-3444

PROJECT NO.: 113-09-36-7375
REPORT NO.: 9943
DATE OF SERVICE: 10/30/2012
AUTHORIZATION: Contract
REPORT DATE: 11/08/2012

PROJECT: Sarasota County Landfill Cell
Closure, 4000 Knights Trail Rd
Nokomis, Florida

SERVICES: Perform laboratory tests on samples removed from compacted asphaltic concrete to determine the density of the compacted mixture.

PROJECT DATA

CONTRACTOR: Ajax Paving
SUPPLIER: Ajax Paving
MIXTURE TYPE: SP9.5
METHOD: FM1-T166
SPECIFICATIONS: NA

AMBIENT TEMPERATURE (deg F): TO:
RAW MATERIALS:
SURFACE TEXTURE:

REPORT OF TESTS

TEST NUMBER	LOCATION	COURSE THICKNESS (IN.)	COMPACTED DENSITY (PCF)	REFERENCE DENSITY (PCF)	IN-PLACE DENSITY (%)
1.	South access road, 1st 400' run, EBL, 50' from top	2.17	136.0	145.8	93.3
2.	South access road, 2nd 400' run, WBL, 555' from top	2.75	129.9	145.8	89.1
3.	South access road, 3rd 400' run, EBL, 961' from top	2.70	132.8	145.8	91.1
4.	South access road, 4th 400' run, WBL, 1401' from top	3.78	136.4	145.8	93.6
5.	East ramp for north access road	2.13	135.2	145.8	92.7
6.	West ramp for north access road	2.10	135.2	145.8	92.7

ADDITIONAL COMMENTS:
The 3.78" thickness for test number 4 is an overall thickness of 2 layers. The top layer is 2.03" thick.

Technician: Cliff Stratton, Field Technician
Report Distribution:
(1) HDR ENGINEERING, INC.

ARDAMAN & ASSOCIATES, INC.
Cert. of Authorization 5950

Jerry H. Kuehn
Project Eng, PE #35557

Ardaman & Associates, Inc.

ARDAMAN & ASSOCIATES INC
78 SARASOTA CENTER BOULEVARD
SARASOTA FL 34240
Phone (941) 922-3526
Fax (941) 922-6743

REPORT OF
IN-PLACE DENSITY OF COMPACTED BITUMINOUS CONCRETE

CLIENT: HDR ENGINEERING, INC.
5426 BAY CENTER DR
STE 400
TAMPA FL 33609-3444

PROJECT NO.: 113-09-36-7375
REPORT NO.: 9961
DATE OF SERVICE: 11/13/2012
AUTHORIZATION: Contract
REPORT DATE: 11/21/2012

PROJECT: Sarasota County Landfill Cell Closure, 4000 Knights Trail Rd Nokomis, Florida

SERVICES: Perform laboratory tests on samples removed from compacted asphaltic concrete to determine the density of the compacted mixture.

PROJECT DATA

CONTRACTOR: Ajax Paving
SUPPLIER: Ajax Paving
MIXTURE TYPE: SP9.5
METHOD: FM1-T166
SPECIFICATIONS: NA

AMBIENT TEMPERATURE (deg F): TO:
RAW MATERIALS:
SURFACE TEXTURE:

REPORT OF TESTS

TEST NUMBER	LOCATION	COURSE THICKNESS (IN.)	COMPACTED DENSITY (PCF)	REFERENCE DENSITY (PCF)	IN-PLACE DENSITY (%)
7.	West access road R side	3.13	137.7	145.8	94.4
8.	West access road L side	2.50	135.7	145.8	93.1
9.	West access road at borrow pit gate	1.75	132.2	145.8	90.7
10.	South pipe crossing perpendicular to access road (south side of Phase I)	2.25	139.2	145.8	95.5
11.	South pipe crossing parallel to access road (south side of Phase I)	1.75	134.0	145.8	91.9
12.	East of road to landfill at stop sign (south side of Phase I)	2.13	136.9	145.8	93.9

ADDITIONAL COMMENTS:

Technician: Daniel Peace, Driller
Report Distribution:
(1) HDR ENGINEERING, INC

ARDAMAN & ASSOCIATES, INC.
Cert. of Authorization 5950

Jerry H. Kuehn
Project Eng, PE #35557

APPENDIX 11

Construction Quality Assurance Liner Daily Summary Reports

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-25-12	Day of Week	Thursday		
Weather:	Cloudy, 84	Rain: N/A		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-25-12:

- Performed daily startups.
- Deployed TPO cap strip panels
- Installed TPO panels C-1A, C-1B, C-1C and C-1D for a total SF of (+/-) 2707.5 (Stained TPO)
- Welded (+/-) 444.5 LF of seam.
- Continued caulking activities during final walkthrough at various locations on the south slope.
- Continued final walkthrough activities of the south slope, specifically hot-air welded seams where leaks were previously observed. No additional leaks observed.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date10-25-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-24-12	Day of Week	Wednesday		
Weather:	Cloudy, 84	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-24-12:

- TPO patchwork performed around protruding pipe from panel P725, south slope, east end toe. Area subsequently air tested and caulked.
- Monitored the repair of the 60 mil. HDPE at the concrete vault near the north east corner toe. Initially, previously poured concrete was removed to provide adequate work space. Pooled water was effectively removed. Inspected and monitored extrusion welding activities. V-box testing did not reveal any obvious leaks (passed).
- Continued caulking activities during final walkthrough at various locations on the south slope.
- Continued final walkthrough activities of the south slope, specifically hot-air welded seams where leaks were previously observed. No additional leaks observed.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 10-24-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-22-12	Day of Week	Monday		
Weather:	Sunny, 85	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-22-12:

- Detail work continues at the SE and SW berms/spines, south slope.
- Continued caulking activities during final walkthrough at various locations on the south slope.
- Continued final walkthrough activities of the south slope (south slope west end, and SE and SW berms).
- Monitored air lance testing of remaining patchwork and seams.
- Additional TPO deployment commenced at the west end of the south slope toe road drainage ditch, attached to the SW berm/spine bottom.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman Date 10-22-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-20-12	Day of Week	Saturday		
Weather:	Sunny, 85 AM Showers	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-20-12:

- Rain tarp installation continues on the west slope, SW area.
- Detail work continues at the SE and SW berms/spines, south slope.
- Continued caulking activities during final walkthrough at various locations on the south slope.
- Continued final walkthrough activities of the south slope (south slope west end, and SE and SW berms).
- Monitored air lance testing of remaining patchwork and seams.
- Installed TPO panels P1232 to P1239 for a total SF of (+/-) 875.
- Welded (+/-) 162 LF of seam.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman Date10-20-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-19-12	Day of Week	Friday		
Weather:	Sunny, 85	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-19-12:

- Rain tarp installation continues on the west slope, SW area.
- Detail work continues at the SE and SW berms/spines, south slope.
- Continued caulking activities during final walkthrough at various locations on the south slope.
- Continued final walkthrough activities of the south slope (both road side ditches, and south slope west end).
- Monitored air lance testing of remaining patchwork and seams.

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Field Representative: Jim Kunzelman — Date 10-19-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-18-12	Day of Week	Thursday		
Weather:	Sunny, 85 Light PM Rain	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed by Rex and Cliff for 10-18-12:

- Lead CQA Inspector sick today (Jim K.). All activities monitored by Rex and Cliff.
- Detail work continues at various locations on the south slope.
- Continued caulking activities at various locations on the south slope.
- Continued final walkthrough activities of the south slope (central portion moving westward).
- Rain flap installation continues on the SW spine. V-box activities monitored on extrusion welded flap.
- Rain tarp installation activities noted on the west slope, SW area.
- Additional TPO installation and welding of the SW spine berm continues.
- Continued SE spine berm work activities at the toe and repair modifications near the pipe/bench.
- Monitored air lance testing of SE and SW berms along the spines.

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Field Representative: Jim Kunzelman — Date 10-18-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-17-12	Day of Week	Wednesday		
Weather:	M. Cloudy, 87	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-17-12:

- Detail work continues on the south slope.
- Continued caulking activities on the bottom south slope.
- Continued final walkthrough of bottom south slope (approximately began at the center of the bottom south slope heading in a western direction).
- Installing gas vents on the south slope, bottom and middle east ends. Monitored installation to ensure previously inspected TPO is not damaged.
- Installation of the SW spine/berm continues, which also includes the installation of a 40 mil. textured rain flap.
- Inspected SE spine/berm, mid-level bench, east end at the pipe inlet. Portions of the south slope TPO anchor trench were exposed as a result of deploying the TPO in a "straight" line. The anchor Trench in this area jogs slightly to the east and west. Informed Hallaton that this area needs to be repaired in a manner which is acceptable to the designing engineer and water tight.
- Installed TPO panels P1229 to P1231 for a total SF of (+/-) 1,735.
- Welded (+/-) 241 LF of seam.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 10-17-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-16-12	Day of Week	Tuesday		
Weather:	M. Sunny, 87	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-16-12:

- Detail work continues on the south slope toe road anchor trench.
- Continued caulking activities on the bottom south slope and south anchor trench toe road swale.
- Continued final walkthrough of bottom south slope (approximately began at the center of the
- Installing HDPE baton bars for TPO around south slope toe road drainage pipe, east end, at Panels P726/P728.
- Excessive soils noted along the SE spine/berm, at the mid-level bench. Further inspection of the berm scheduled for 10/17/12 in the AM.
- Hallaton shut down activities at 2 PM. All Ardaman personnel offsite by ~ 2PM.

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This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 10-16-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-15-12	Day of Week	Monday		
Weather:	Sunny, 90 PM Showers	Rain: N/A		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-15-12:

- Crew onsite between 11 AM and 11:30 AM. Down to two inspectors by 2 PM.
- Performed daily TPO startups.
- Detail work continues on the south slope toe road anchor trench.
- Performed air lance testing of welded seam and patchwork of TPO installed at the south slope toe road anchor trench swale.
- Deployed TPO panels SW spine/berm
- No DT's marked today.
- Continued caulking activities on the bottom south slope and south anchor trench toe road swale.
- Continued final walkthrough of bottom south slope. Eastern one-half essentially complete.
- Shipped DT's 356(135) to 366(145) to Precision Labs for analysis.
- Monitored field testing of field coupons FC-N, O, P, Q, R, S, T, U and V.

- Purportedly deployed TPO panels P1217, P1218, P1226 to P1228 for a total SF of (+/-) 9,330.
- Welded (+/-) 1,924.5 LF. (10/14/12)

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman Date 10-15-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-13-12	Day of Week	Saturday		
Weather:	Sunny, 90	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-13-12:

- TPO startups performed.
- Detail work performed on the south slope toe road anchor trench.
- Performed air lance testing of welded seam and patchwork of TPO installed at the south slope toe road anchor trench swale.
- Deployed TPO panels P1219 to P1225 for a total SF of (+/-) 5,491.
- Welded (+/-) 432 LF of TPO seam.
- No DT's marked , obtained or shipped today.
- Continued caulking activities on the bottom south slope and south anchor trench toe road swale.
- Continued final walkthrough of bottom south slope, eastern end one-fourth.
- Received lab results on DT's 331A(110A), 331B(110B), 327A(106A), 327B(106B) and 335(114) to 355(134). All passed.
- Marked field coupon FC-R.

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Field Representative: Jim Kunzelman — Date 10-13-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-12-12	Day of Week	Friday		
Weather:	Sunny, 90	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-12-12 (Not onsite due to scheduled deposition/Rex and Cliff onsite):

- TPO startups performed.
- Detail work performed on the south slope toe road anchor trench.
- Performed air lance testing of welded seam and patchwork of TPO installed at the south slope toe road anchor trench swale.
- No DT's marked , obtained or shipped today.
- Continued caulking activities on the bottom south slope and south anchor trench toe road swale.
- Continued final walkthrough of bottom south slope, eastern end one-fourth.
- Received lab results on DT's 331A(110A), 331B(110B), 327A(106A), 327B(106B) and 335(114) to 355(134). All passed.
- Marked field coupons FC-S, FC-T, FC-U and FC-V.

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Field Representative: Jim Kunzelman — Date 10-12-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-11-12	Day of Week	Thursday		
Weather:	Sunny, 90	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-11-12:

- Performed TPO patchwork field tests.
- Detail work performed on the south slope toe road anchor trench.
- Performed air lance testing of welded seam and patchwork of TPO installed at the south slope toe road anchor trench swale.
- No TPO panels deployed today (departed site at lunch time/Cliff and Rex monitoring activities).
- Marked DT's 361(140) to 364(143).
- Continued caulking activities on the bottom south slope and south anchor trench toe road swale.
- Continued final walkthrough of bottom south slope, east end. Approximately 1/5 of bottom south slope inspected.

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Field Representative: Jim Kunzelman Date10-11-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-10-12	Day of Week	Wednesday		
Weather:	Sunny, 90	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-10-12:

- Performed daily startups on TPO.
- Detail work performed on the south slope toe road anchor trench.
- Performed air lance testing of welded seam and patchwork of TPO installed at the south slope toe road anchor trench swale.
- Deployed TPO panels P1205 to P1216 at the south slope toe road anchor trench swale for a total SF of (+/-) 12,725.
- Welded (+/-) 1,927.5 LF of seam.
- Marked DT's 356(135), 357(136), 358(137), 359(138) and 360(139).
- Cap strip installation activities continue on the south slope toe road anchor trench swale.
- Obtained and shipped DT's 327A(106A), 327B(106B), 331A(110A), 331B(110B) and 335(114) to 355(134) to Precision Labs for analysis.
- Marked Field coupons FC-N, FC-O, FC-P and FC-Q.

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Field Representative: Jim Kunzelman — Date 10-10-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-09-12	Day of Week	Tuesday		
Weather:	Sunny, 92	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-09-12:

- Performed daily startups on TPO.
- Detail work performed on the south slope toe road anchor trench.
- Performed air lance testing of welded seam and patchwork of TPO installed at the south slope toe road anchor trench swale.
- Deployed TPO panel P1185 to P1204 at the south slope toe road anchor trench swale for a total SF of (+/-) 10,556.5.
- Welded (+/-) 1,583.5 LF of seam.
- Marked DT's 350(129), 351(130), 352(131), 353(132), 354(133) and 355(134).
- No cap strip installed on the south slope toe road anchor trench swale.
- Informed Hallaton QC that there are ~25 DT's outstanding. QC stated that he will turn them over for shipment on Wednesday 10/10/12.

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Field Representative: Jim Kunzelman — Date 10-9-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-08-12	Day of Week	Monday		
Weather:	M. Cloudy, 88	Rain: N/A		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-08-12:

- Performed daily startups on TPO.
- Detail work on the TPO continues at various locations on the south slope (upper SE Corner, south anchor trench swale, west end pipe boots and skirts, west end patchwork).
- Performed air lance testing of welded seam at the two west end bench drainage pipes and south toe road anchor trench swale.
- Deployed TPO panel P1159 to P1184 at the two west end bench drainage pipes and south slope toe road anchor trench swale for a total SF of (+/-) 11,421.
- Welded (+/-) 1,391 LF of seam.
- Marked DT's 347(126), 348(127) and 349(128). Marked field coupons FC-K, FC-L and FC-M.
- Performed final walk through of installed TPO, SE area, Panel 87 to Repairs (caulking) made during walkthrough. Informed Homero of one additional area that needs patchwork, as well as the need to remove all debris, including rocks, from TPO. There is concrete splatter on portions of the TPO from fabriform work at the crest.

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Field Representative: Jim Kunzelman — Date 10-8-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-07-12	Day of Week	Sunday		
Weather:	Sunny, 94	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-07-12:

- Performed daily startups on TPO.
- Detail work on the TPO continues at various locations on the south slope (upper SE Corner, south anchor trench swale, west end pipe boots and skirts, west end patchwork).
- Performed air lance testing of welded seam on the south toes road anchor trench swale.
- Monitored the field testing of field coupons FC-I and FC-J. All passed.
- Deployed TPO panel P1156 to P1158 (cap strip) in the south toe road A/T swale for a total SF of (+/-) 2,833.
- Welded (+/-) 624 LF of seam.
- No DT's or field coupons marked, obtained or shipped today.

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Field Representative: Jim Kunzelman — Date 10-7-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-06-12	Day of Week	Saturday		
Weather:	Sunny, 94	Rain: N/A		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-06-12:

- Performed daily startups on TPO.
- Detail work on the TPO continues at various locations on the south slope (upper SE Corner, south anchor trench swale, west end pipe boots and skirts, west end patchwork).
- Performed air lance testing of welded seam on the south anchor trench swale.
- Monitored the field testing of field coupons FC-50, 52, 53 to 59, and C,D,E,F,G and H. All passed.
- Deployed TPO panels P1142 to P1155 for a total SF of (+/-) 7,730.5.
- Welded (+/-) 1,088.5 LF of seam.
- Marked DT's 345(124) and 346(125). Marked field coupons FC-I and FC-J on panels deployed 10/5/12.

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Field Representative: Jim Kunzelman Date 10-6-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-05-12	Day of Week	Friday		
Weather:	Sunny, PM Rain, 90	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-05-12:

- Performed daily startups on TPO.
- Detail work on the TPO continues at various locations on the south slope (west end predominantly).
- Installing TPO boots and skirts around gas wells and pipes on the south slope, predominantly at the west ends.
- Commenced final walk through on the upper portion of the south slope. Inspected Panels P1092 to P85/87. All repairs (caulking) were repaired on the spot. Area released, notified Homero and Ryan. (Hallaton and Thalle).
- New Leister machine arrived at noon. Trial welds passed.
- Deployed TPO panels P1139 to P1141 in South A/T swale for a total SF of (+/-) 3,601.5.
- Welded (+/-) 909 LF of seam.
- Shut down from 3:15 to 4:15 due to rain. Commenced work activities again at 4:15.
- TPO detail work also continues in the south anchor trench swale.

Field Representative: Jim Kunzelman Date 10-5-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-04-12	Day of Week	Thursday		
Weather:	Sunny, PM Rain, 90	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-04-12:

- Performed daily startups on TPO.
- Hallaton continues installation of the TPO encapsulated berm on the SE spine.
- Detail work on the TPO continues at various locations on the south slope.
- Installing TPO boots and skirts around gas wells and pipes on the south slope, predominantly at the east and west ends.
- Air testing completed on the TPO encapsulated berm, SE corner and spine.
- Crew left site at 4 PM due to rain.

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Field Representative: Jim Kunzelman — Date 10-4-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-03-12	Day of Week	Wednesday		
Weather:	Cloudy, Lt. Rain, 94	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-03-12:

- Performed daily startups on TPO.
- Hallaton continues installation of the TPO encapsulated berm on the SE spine.
- Detail work on the TPO continues at various locations on the south slope.
- Installing TPO boots and skirts around gas wells and pipes on the south slope, predominantly at the east and west ends.

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Field Representative: Jim Kunzelman Date 10-3-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-02-12	Day of Week	Tuesday		
Weather:	P. Sunny, Lt. Rain, 94	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-02-12:

- Performed daily startups on TPO.
- Performing detail work on TPO deployed in the south anchor trench swale and vicinity.
- Detail work, including caulking of TPO, continues at various locations on the south slope.
- Hallaton working on "roping" sand bags on the rain tarp, west slope, north ends.
- Hallaton continues installation of the TPO encapsulated berm on the top crest of the south slope, east end, down the spine.
- Installed TPO panels P1136 to P1138 for a total SF of (+/-) 750.5.
- Welded (+/-) 127.5 LF of seam.

Field Representative: Jim Kunzelman Date 10-2-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	10-01-12	Day of Week	Monday		
Weather:	P. Sunny, Lt. Rain, 94	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Itza Rivera
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 10-01-12:

- Performed daily startups on TPO.
- Performing detail work on TPO deployed in the south anchor trench swale and vicinity.
- Detail work, including caulking of TPO, continues at various locations on the south slope.

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Field Representative: Jim Kunzelman — Date 10-1-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-29-12	Day of Week	Saturday		
Weather:	Sunny, 94	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-29-12:

- Performed daily startups on TPO.
- Hallaton installing anchor trench soil cap strip on the south swale drainage ditch.
- TPO cap strip panels P1130 to P1135 installed for a total SF of (+/-) 5,466.
- Welded (+/-) 1,725 LF of seam
- Performing detail work on TPO deployed in the south anchor trench swale and vicinity.
- Detail work, including caulking of TPO, continues at various locations on the south slope.
- Continued deployment of geotextile in the roadway anchor trench (top west area heading east).

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Field Representative: Jim Kunzelman — Date 9-29-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-28-12	Day of Week	Friday		
Weather:	Sunny, 97	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-28-12:

- Performed daily startups on TPO.
- Hallaton placed TPO panels P1114 to P1129 for a total SF of (+/-) 5,404 in the south swale.
- Hallaton welded (+/-) 832 LF of TPO seam.
- Performing detail work on TPO deployed in the south anchor trench swale and vicinity.
- Installed and "pinned" TPO panel around the drainage pipe located at panel P361. (west end of the south slope toe road).
- Marked DT's 341(120) and 342(121).
- Monitored air-lance testing of welded TPO seams in the south anchor trench swale and vicinity.
- Continued deployment of geotextile in the roadway anchor trench (top west area heading east).

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Field Representative: Jim Kunzelman — Date 9-28-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-27-12	Day of Week	Thursday		
Weather:	Sunny, 91	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-27-12:

- Performed daily startups on TPO.
- Hallaton deployed TPO panels P1097 to P1113, and P1116 for a total SF of (+/-) 10,131.
- Hallaton welded (+/-) 1,777 LF of TPO seam.
- Performing detail work on TPO deployed 9/26/12.
- Installed and "pinned" TPO panel around the drainage pipe located at panels P266/P302 (essentially center of the south slope toe road).
- Marked field coupons FC-C and FC-D on the TPO encapsulated berm.
- Marked DT's 335(114), 336(115), 337(116), 338(117), 339(118) and 340(119).
- Monitored air-lance testing of TPO seams welded 9/26/12 and all wedge welded seams for 9/27/12.
- Marked field coupons FC-E and FC-F on cap strip installed on top of the backfilled anchor trench. FC-E marked at P1079/P1109. FC-F marked at P1105/P1061. Both are hot air welds.
- Tested field coupons FC-A, FC-B, FC-48, FC-49 and FC-51. All passed.
- Began installation of cap strip on south swale anchor trench (Panels P1104 to P1109).

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Field Representative: Jim Kunzelman — Date 9-27-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-26-12	Day of Week	Wednesday		
Weather:	Sunny, 90	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-26-12:

- Performed daily startups on TPO.
- Hallaton deployed TPO panels P1094 to P1096 for a total SF of (+/-) 3,000*.
- Hallaton welded (+/-) 408* LF of TPO seam.
- Continued with TPO detail work on the south upper slope, including caulking, non-DT testing (air-lance) of TPO patchwork and seams. SE lower slope in the PM.
- Installed and "pinned" TPO panel around the drainage pipe located at panel P912 (mid-bench, East end), and the drain pipe located near the SE end of the south slope toe road.
- Marked DT's 327A(106A), 327B(106B), 331A(110A) and 331B(106B).
- Monitored air-lance testing of welded TPO seams at upper crest berm and cap around pipe at P912.

*SF and LF totals excludes welded seam and panels in the anchor trenches.

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Field Representative: Jim Kunzelman — Date 9-26-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-25-12	Day of Week	Tuesday		
Weather:	P. Cloudy, 90	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-25-12:

- Performed daily startups on TPO and 40 mil texture for rain flap cover.
- Hallaton deployed TPO panel P1093 for a total SF of (+/-) 54
- Hallaton welded (+/-) 12 LF of TPO seam.
- Hallaton installing geotextile in the "roadside" anchor trench from TPO installation on 9/24/12.
- Hallaton continues rain flap installation on the west slope crest, extrusion welded areas subsequently v-boxed.
- No DT's marked or shipped today.
- After a discussion with Dean (HDR), it was determined that only field coupons would be marked on the installed TPO along the road and top crest berm due to the limited amount of exposed TPO (the majority of the TPO is installed in the anchor trench).
- Marked Field Coupons FC-A and FC-B on welded TPO seams installed on 9/24/12.
- Hallaton continues TPO detail work with a 2-man crew on the south slope.
- Monitored air-lance testing of welded TPO seams P1059 to P1092. All passed.
- Began TPO installation/cover of the south slope top crest berm.
- Began caulking activities again in the upper south slope.

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Field Representative: Jim Kunzelman — Date 9-25-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-24-12	Day of Week	Monday		
Weather:	Cloudy, 90	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-24-12:

- Performed daily startups on TPO and 40 mil texture for rain flap cover.
- Hallaton deployed TPO panels P1059 to P1092 for a total SF of (+/-) 4,362.5
- Hallaton welded (+/-) 521 LF of TPO seam.
- Hallaton continues west slope rain tarp activities.
- Hallaton continues rain flap installation on the west slope crest, extrusion welded areas subsequently v-boxed.
- No DT's marked or shipped today.
- Received results on TPO DT's 322(101) to 334(113). All passed except DT's 323(102), 327(106), 329(108), 330(109), 331(110) and 333(112). All failed DT's were "hot air welds". Informed Homero with Hallaton of results. Homero requested lab analysis to be forwarded to Kennedy Garber with Hallaton. Lab analysis forwarded to Hallaton in the afternoon.
- Hallaton continues TPO detail work with a 2-man crew on the south slope.

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Field Representative: Jim Kunzelman Date 9-24-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-22-12	Day of Week	Saturday		
Weather:	P.Cloudy, 90	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-22-12:

- Performed daily startups on TPO and 40 mil texture for rain flap cover.
- Hallaton continues west slope rain tarp activities.
- Hallaton continues rain flap installation on the west slope crest, extrusion welded areas subsequently v-boxed.
- No DT's marked or shipped today.
- No DT results received today.
- Hallaton continues TPO detail work with a 2-man crew on the south slope.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 9-22-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-21-12	Day of Week	Friday		
Weather:	M.Sunny, 93	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-21-12:

- Performed daily startups on TPO and 40 mil texture for rain flap cover.
- Hallaton continues west slope rain tarp activities.
- Hallaton continues rain flap installation on the west slope crest, extrusion welded areas subsequently v-boxed.
- No DT's marked or shipped today.
- No DT results received today.
- Hallaton continues TPO detail work with a 2-man crew on the south slope.

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Field Representative: Jim Kunzelman — Date 9-21-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-20-12	Day of Week	Thursday		
Weather:	P.Sunny, 91	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-20-12:

- Performed daily startups for TPO.
- Hallaton continues detail work and non-DT on installed TPO panels and patches.
- Hallaton installing rain tarp on west slope.

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Field Representative: Jim Kunzelman — Date 9-20-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-19-12	Day of Week	Wednesday		
Weather:	P.Sunny, 92	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-19-12:

- Performed daily startups for TPO.
- Hallaton continues detail work and non-DT on installed TPO panels and patches, including caulking.
- Partially installed TPO panels P1056 to P1058 for a total SF of (+/-) 770.
- Deployed sacrificial TPO on top crest/berm of the south slope.
- Partially welded TPO panels P1056 to P1058 for (+/-) 100 LF.

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Field Representative: Jim Kunzelman — Date 9-19-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-18-12	Day of Week	Tuesday		
Weather:	P.Sunny, 92	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-18-12:

- Performed daily startups for TPO.
- Hallaton continues detail work and non-DT on installed TPO panels and patches, including caulking.
- Hallaton continues the installation of gas vents on the south slope.

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Field Representative: Jim Kunzelman Date 9-18-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-17-12	Day of Week	Monday		
Weather:	P.Sunny, 92	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-17-12:

- Performed daily startups for TPO.
- Hallaton continues detail work and non-DT on installed TPO panels and patches, including caulking.
- Hallaton continues the installation of gas vents on the south slope.

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Field Representative: Jim Kunzelman — Date 9-17-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-15-12	Day of Week	Saturday		
Weather:	P.Sunny, 93	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-15-12:

- Performed daily startups for TPO.
- Hallaton continues detail work and non-DT on installed TPO panels and patches, including caulking.
- Hallaton commences the installation of gas vents on the south slope.

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Field Representative: Jim Kunzelman Date 9-15-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-14-12	Day of Week	Friday		
Weather:	P.Sunny, 93	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-14-12:

- Performed daily startups for TPO.
- Deployed TPO panels P1041 to P1055 for a total SF of (+/-) 9,097.5.
- Welded (+/-) 1,275.5 LF of TPO seam.
- Hallaton continues detail work and non-DT on installed TPO panels and patches.

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Field Representative: Jim Kunzelman Date 9-14-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-13-12	Day of Week	Thursday		
Weather:	P.Sunny, 93	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-13-12:

- Performed daily startups for TPO and 60 mil. HDPE.
- Deployed TPO panels P1024 to P1040 for a total SF of (+/-) 15,925.
- Welded (+/-) 1,909 LF of TPO seam.
- Deployed 60 mil. panel P48 for a total SF of (+/-) 337.5.
- Welded (+/-) 49.5 LF of 60 mil. seam.
- Hallaton continues detail work and non-DT on installed TPO and 60 mil. panels and patches.

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Field Representative: Jim Kunzelman — Date 9-13-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-12-12	Day of Week	Wednesday		
Weather:	Sunny, 94	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-12-12:

- Performed daily startups for TPO.
- Deployed TPO panels P951 to P1023 for a total SF of (+/-) 20,786.
- Welded (+/-) 2,208.5 LF of TPO seam.
- Hallaton continues detail work and non-DT on installed TPO panels and patches.

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Field Representative: Jim Kunzelman — Date 9-12-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-11-12	Day of Week	Tuesday		
Weather:	Sunny, 94	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-11-12:

- Performed daily startups for TPO.
- Deployed TPO panels P931 to P950 for a total SF of (+/-) 10,184.
- Welded (+/-) 1,542 LF of TPO seam.
- Hallaton continues detail work and non-DT on installed TPO panels and patches.

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Field Representative: Jim Kunzelman — Date 9-11-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-10-12	Day of Week	Monday		
Weather:	Sunny, 94	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-10-12:

- Performed daily startups for both TPO and 40 mil. tex LLDPE.
- Deployed TPO panels P910 to P930 for a total SF of (+/-) 12,882.
- Welded (+/-) 1,915.5 LF of TPO seam.
- Hallaton continues detail work and non-DT on installed TPO and 40 mil. panels and patches.
- Released 40 mil. panels P347 to P348. Subsequently covered with geocomposite.

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Field Representative: Jim Kunzelman Date 9-10-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-08-12	Day of Week	Saturday		
Weather:	Sunny, 94	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-08-12:

- Performed daily startups for both TPO and 40 mil. tex LLDPE.
- Deployed 40 mil. tex. panels P347 to P348 for a total SF of (+/-) 4189.5.
- Welded (+/-) 244 LF of 40 mil. LLDPE seam.
- Hallaton continues detail work on installed TPO panels and patches.
- Obtained and shipped DT's 296(75) to 301 (80).
- Marked DT's 302(81) to 307(86).
- Marked and tested field coupons FC-61 and FC-62, marked on the installed 40 mil. Both passed.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 9-08-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-07-12	Day of Week	Friday		
Weather:	Sunny, 94	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-07-12:

- Performed daily startups for TPO.
- Hallaton deployed TPO panels P873 to P909 for a total SF of (+/-) 10,887.
- Hallaton welded (+/-) 1,144 LF of TPO seam.
- Hallaton continues detail work on installed TPO panels and patches. Additionally, performs detail work and non-destruct testing on installed 60 mil. HDPE.
- No DT's marked, obtained or shipped today. No results received.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 9-07-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-06-12	Day of Week	Thursday		
Weather:	Sunny, 94	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-06-12:

- Performed daily startups.
- Hallaton deployed TPO panels P841 to P872 for a total SF of (+/-) 7,742.5.
- Hallaton welded (+/-) 819.5 LF of seam.
- Hallaton continues detail work on installed TPO panels and patches. Additionally, performs detail work and non-destruct testing on installed 60 mil. HDPE.
- Marked, obtained and shipped DT's 293(22)A, 294(23), 295(24).
- Additionally marked DT's 296(75) and 301(80).
- Received lab results on DT's 271(52) to 293(74), 293(22)A, to 295(24). All passed.
- Note: DT 293 was erroneously written twice. DT's 293(74) and 293(22)A. The letter "A" differentiates the two.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 9-06-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-05-12	Day of Week	Wednesday		
Weather:	M. Sunny, 93	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-05-12:

- Performed daily startups.
- Hallaton deployed TPO panels P807 to P840 for a total SF of (+/-) 7,298.5.
- Hallaton welded (+/-) 769.5 LF of seam.
- Hallaton continues detail work on installed TPO panels and patches. Additionally, performs detail work and non-destruct testing on installed 60 mil. HDPE.
- Marked, obtained and shipped DT's 293(22)A, 294(23), 295(24).
- Additionally marked DT's 296(75) thru 301(80).
- Deployed permanet on 60 mil. HDPE liner. Permanet cover panels P40 to P47.

Field Representative: Jim Kunzelman — Date 9-05-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-04-12	Day of Week	Tuesday		
Weather:	M. Sunny, 91	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-04-12:

- Performed daily startups.
- Hallaton deployed 60 mil. HDPE panels P40 to P47 for a total SF of (+/-) 22,117.5.
- Hallaton welded (+/-) 1,241 LF of seam.
- Hallaton continues detail work on installed TPO panels and patches.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 9-04-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-03-12	Day of Week	Monday		
Weather:	M. Sunny, 91	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-03-12:

- Performed daily startups.
- Hallaton deployed TPO panels P783 to P806 for a total SF of (+/-) 15,087.5.
- Hallaton welded (+/-) 1,805 LF of seam.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.
- Obtained and shipped DT's 271(52) to 293(74).

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 9-03-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	9-01-12	Day of Week	Saturday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 9-01-12:

- Performed daily startups.
- Hallaton deployed TPO panels P765 to P782 for a total SF of (+/-) 9,994.
- Hallaton welded (+/-) 1,425.5 LF of seam.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 9-01-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-31-12	Day of Week	Friday		
Weather:	M. Sunny, 95	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-31-12:

- Performed daily startups.
- Hallaton deployed TPO panels P742 to P764 for a total SF of (+/-) 12,464.
- Hallaton welded (+/-) 923.5 LF of seam.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 8-31-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-30-12	Day of Week	Thursday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-30-12:

- Offsite preparing paperwork.
- Hallaton performing non-essential work today.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 8-30-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-29-12	Day of Week	Wednesday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-29-12:

- Offsite preparing paperwork.
- Hallaton performing non-essential work today.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 8-29-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-28-12	Day of Week	Tuesday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-28-12:

- Offsite preparing paperwork.
- Hallaton performing non-essential work today.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 8-28-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-27-12	Day of Week	Monday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-27-12:

- Offsite preparing paperwork.
- Hallaton performing non-essential work today.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman Date 8-27-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-25-12	Day of Week	Saturday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-25-12:

- Performed daily startups.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 8-25-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-24-12	Day of Week	Friday		
Weather:	M. Sunny, 93	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-24-12:

- Performed daily startups.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.
- Marked DT's 279(60) to 284(65).

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 8-24-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-23-12	Day of Week	Thursday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum.	N/A	

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-23-12:

- Performed daily startups.
- Hallaton deployed TPO panels P724 to P741 for a total SF of (+/-) 3,999.5
- Hallaton welded (+/-) 439 LF of seam.
- No DT's marked/obtained or shipped today.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches. Additionally, performing cap strip work on upper SE TPO slope. A total SF of (+/-) 3,529 installed, with (+/-) 3,150 LF of welded seam.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 8-23-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-22-12	Day of Week	Wednesday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-22-12:

- Performed daily startups.
- Hallaton deployed TPO panels P659 to P723 for a total SF of (+/-) 17,736.5
- Hallaton welded (+/-) 1,869.5 LF of seam.
- No DT's marked/obtained or shipped today.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 8-22-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-21-12	Day of Week	Tuesday		
Weather:	M. Sunny, 96	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-21-12:

- Performed daily startups.
- Hallaton installing rain flaps.
- Marked DT's 271(52) thru 278(59).

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Stewart Taylor — Date 8-21-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-20-12	Day of Week	Monday		
Weather:	M. Sunny, 96	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-20-12:

- Performed daily startups.
- Hallaton deployed TPO panels P631 to P658 for a total SF of (+/-) 7210.5.
- Hallaton welded (+/-) 774.5 LF of TPO seam.
- Hallaton completes detail work on 40 mil. liner and covers with geocomposite following a final walk through. GC covers 40 mil. panels P344 to P346.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Stewart Taylor — Date 8-20-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-18-12	Day of Week	Saturday		
Weather:	Light Rain, 92	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-18-12:

- Performed daily startups.
- Hallaton deployed TPO panels P595 to P630 for a total SF of (+/-) 9006.
- Hallaton welded (+/-) 945 LF of TPO seam.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.

Additionally continues detail work and non-des. testing of installed 40 mil. liner.

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Field Representative: Stewart Taylor — Date 8-18-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-17-12	Day of Week	Friday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-17-12:

- Performed daily startups.
- Hallaton deployed TPO panels P586 to P594 for a total SF of (+/-) 3429.6.
- Hallaton welded (+/-) 483 LF of TPO seam.
- Deployed 40 mil. LLDPE panels P344 to P346 for a total SF of (+/-) 12,757.5
- Welded (+/-) 633.5 LF of 40 mil. seam.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches. Additionally performs detail work and non-des. testing of installed liner.
- Received lab results on DT's 256(37) to 270(51). All passed.
- Installed rain flaps RF 162 to 163, north slope, top.

Field Representative: Stewart Taylor — Date 8-17-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-16-12	Day of Week	Thursday		
Weather:	M. Sunny, 93	Rain: N/A		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-16-12:

- Performed daily startups.
- Hallaton deployed TPO panels P557 to P585 for a total SF of (+/-) 11,960.5.
- Hallaton welded (+/-) 1,186.5 LF of seam.
- Received results on DT's 256(37) to 270(51). All passed.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Stewart Taylor — Date 8-16-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-15-12	Day of Week	Wednesday		
Weather:	M. Sunny, 93	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-15-12:

- Performed daily startups.
- Hallaton deployed TPO panels P523 to P556 for a total SF of (+/-) 9,718.5.
- Hallaton welded (+/-) 1,416 LF of seam.
- Obtained and shipped DT's 256(37) to 270(51).
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.

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Field Representative: Stewart Taylor — Date 8-15-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-14-12	Day of Week	Tuesday		
Weather:	M. Sunny, 93	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-14-12:

- Performed daily startups.
- Hallaton deployed TPO panels P474 to P522 for a total SF of (+/-) 14,449.5.
- Hallaton welded (+/-) 1,474 LF of seam.
- DT's 265(46) to 270(51) marked today.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.

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This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Stewart Taylor — Date 8-14-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-13-12	Day of Week	Monday		
Weather:	M. Sunny, 93	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-13-12:

- Performed daily startups.
- Hallaton deployed TPO panels P462 to P473 for a total SF of (+/-) 6,080.
- Hallaton welded (+/-) 454.5 LF of seam.
- No DT marked/obtained or shipped today.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.
- Hallaton continues detail work, and air testing and v-box on installed 40 mil. panels and patches.
- Hallaton continues geocomposite deployment in the SE corner on top of the 40 mil. liner (rain flap). Deployed GC covers 40 mil. liner panels P302 to P305. SE portion is now complete with GC cover.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 8-13-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-11-12	Day of Week	Saturday		
Weather:	M. Sunny, 93	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-11-12:

- Performed daily startups.
- Hallaton deployed TPO panels P422 to P461 for a total SF of (+/-) 21,830.
- Hallaton welded (+/-) 2,673 LF of seam.
- No DT marked/obtained or shipped today.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.
- Hallaton continues detail work, and air testing and v-box on installed 40 mil. panels and patches.
- Hallaton continues geocomposite deployment in the SE corner on top of the 40 mil. liner.

Deployed GC covers 40 mil. liner panels P308 to P314.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 8-11-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-10-12	Day of Week	Friday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-10-12:

- Performed daily startups.
- Hallaton deployed TPO panels P417 to P421 for a total SF of (+/-) 3,534.
- Hallaton welded (+/-) 515 LF of seam.
- Received results on DT's 248(30) 254(36). All passed.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.
- Hallaton continues detail work, and air testing and v-box on installed 40 mil. panels and patches.
- Hallaton continues geocomposite deployment in the SE corner on top of the 40 mil. liner.
- Installed rain flaps RF 158 to 161, north slope, top.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 8-10-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-09-12	Day of Week	Thursday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum.	N/A	

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-09-12:

- Performed daily startups.
- Hallaton deployed TPO panels P392 to P416 for a total SF of (+/-) 17,955.
- Hallaton welded (+/-) 2,041.5 LF of seam.
- Marked DT's 256(37) thru 263(45).
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.
- Hallaton continues detail work, and air testing and v-box on installed 40 Mil. panels and patches.
- Installed rain flaps RF 156 to 157, east slope.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 8-09-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-08-12	Day of Week	Wednesday		
Weather:	M. Sunny, 95	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-08-12:

- Performed daily startups.
- Hallaton deployed TPO panels P373 to P391 for a total SF of (+/-) 15,162.
- Hallaton welded (+/-) 1,121 LF of seam.
- No DT's marked/obtained or shipped today.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.
- Hallaton continues detail work, and air testing and v-box on installed 40 Mil. panels and patches.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 8-08-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-07-12	Day of Week	Tuuesday		
Weather:	Cloudy, 95	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-07-12:

- Activities cancelled for the day at 12 PM due to previous night's rain. Crew on stand-by all morning.
- Obtained DT's 248(30) to 254(36).

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 8-07-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-06-12	Day of Week	Monday		
Weather:	Cloudy, 95	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-06-12:

- Performed daily startups.
- Hallaton deployed TPO panels P367 to P372 for a total SF of (+/-) 3,980.5.
- Hallaton welded (+/-) 585.5 LF of seam.
- No DT's marked/obtained or shipped today.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.
- Hallaton continues detail work, and air testing and v-box on installed 40 Mil. panels and patches.
- Deployed geocomposite covering 40 mil. liner panels P324 to P340.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman Date 8-06-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-04-12	Day of Week	Saturday		
Weather:	Cloudy, 95	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-04-12:

- Performed daily startups.
- Hallaton deployed TPO panels P343 to P366 for a total SF of (+/-) 21,707.5.
- Hallaton welded (+/-) 2,669.5 LF of seam.
- Rain flap installation continues on the north slope, west end.
- No DT's marked/obtained or shipped today.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.
- Hallaton continues detail work, and air testing and v-box on installed 40 Mil. panels and patches.
- Hallaton continues deploying geotextile in anchor trenches prior to backfilling.
- Installed rain flaps RF 151 to 155, east slope, top.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 8-04-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-03-12	Day of Week	Friday		
Weather:	Cloudy, 96	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 8-03-12:

- Performed daily startups.
- Hallaton deployed TPO panels P328 to P342 for a total SF of (+/-) 13,176.5.
- Hallaton welded (+/-) 902 LF of seam.
- Received results on DT's 240 to 247. All passed.
- No DT's marked/obtained or shipped today.
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches.
- Hallaton continues detail work, and air testing and v-box on installed 40 Mil. panels and patches.
- Hallaton continues deploying geotextile in anchor trenches prior to backfilling.
- Rain flap installation observed in the NW area.
- Geocomposite deployed on 40 mil. in top SW area covering panels P327 to P333.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 8-03-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-02-12	Day of Week	Thursday		
Weather:	Cloudy, 94	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 8-02-12:

- Performed daily startups.
- Hallaton deployed TPO panels P310 to P327 for a total SF of (+/-) 15,152.5.
- Hallaton welded (+/-) 1,942.5 LF of seam.
- No DT's obtained/shipped today.
- Marked DT's 250(32) and 251(33).
- Hallaton continues detail work, and air lance testing on installed TPO panels and patches. Detail work and testing/monitoring also continues on the deployed 40 mil. in the SE corner and SE top.
- Installed rain flaps RF 143 to 150, west top and NW slope.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 8-02-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	8-01-12	Day of Week	Wednesday		
Weather:	M.Sunny, 94	**Rain: N/A**	Accum. N/A		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 8-01-12:

- Performed daily startups.
- Hallaton deployed 40 mil. textured panels P324 to P343 for a total SF of (+/-) 91,106.6.
- Hallaton welded (+/-) 4,915.5 LF of seam.
- Marked, obtained/ and shipped DT's 240 to 247.
- DT's 230(28), 231 to 235, 236(29), 237 to 239 passed.
- Hallaton continues detail work,v-box and air testing on deployed 40 mil. textured panels.
- Hallaton begins geocomposite deployment at the southeast corner on top of the 40 mil. panels. The top south side/ridge area and top southeast spine covered.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 8-01-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-31-12	Day of Week	Tuesday		
Weather:	Sunny, 93	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-31-12:

- Performed daily startups.
- Hallaton deployed 40 mil. textured panels P324 to P343 for a total SF of (+/-) 91,106.6.
- Hallaton welded (+/-) 4,915.5 LF of seam.
- No DT's obtained/shipped today.
- Marked DT's 240 to 247.
- DT's 230(28), 231 to 235, 236(29), 237 to 239 passed.
- Hallaton performing detail work, air-testing and v-box on installed 40 mil. panels and patches.
- Installed rain flaps RF 141 to 142, east slope top.

Field Representative: Jim Kunzelman Date 7-31-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-30-12	Day of Week	Monday		
Weather:	Sunny, 95	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-30-12:

- Performed daily startups.
- Hallaton deployed TPO panels P278 to P309 for a total SF of (+/-) 24,244.
- Hallaton welded (+/-) 2,663 LF of seam.
- DT's 236(29), 237 thru 239 obtained/shipped today.
- No DT's marked today.
- Hallaton continues detail work and air lance testing on installed TPO panels and patches.
- Hallaton continues to install geotextile in anchor trenches prior to backfilling.
- Hallaton continues to install geotextile in anchor trenches prior to backfilling.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 7-30-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-28-12	Day of Week	Saturday		
Weather:	Sunny, 95	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	1

Activities observed for 7-28-12:

- Performed daily startups.
- Hallaton deployed TPO panels P264 to P277 for a total SF of 11,856.
- Hallaton welded (+/-) 880.5 LF of seam.
- No DT's obtained/shipped today.
- Marked DT's 236(29), 237 to 239.
- Hallaton continues detail work and air lance testing on installed TPO panels and patches.
- Hallaton continues to install geotextile in anchor trenches prior to backfilling.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 7-28-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-27-12	Day of Week	Friday		
Weather:	Sunny, 95	**Rain: N/A**		Accum.	N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-27-12:

- Performed AM/PM 40 mil and TPO startups.
- Hallaton deployed 40 mil. LLDPE textured liner along the top southern crest (east to west).
- Deployed panels P316 to P323 for a total SF of (+/-) 14,426.
- Hallaton wedge welded (+/-) 1,352 LF of 40 mil. LLDPE of seam today.
- DT's 231 to 235 obtained/shipped today.
- DT's 225(23) to 229(27) passed.
- Hallaton deployed TPO panels P255 to P263 for a total SF of (+/-) 8293.5.
- Hallaton wedge welded (+/-) 753.5 LF of TPO seam today.
- Hallaton continues detail work on deployed TPO and 40 mil. textured panels. Additionally, Hallaton continued with air lance testing of TPO seams and patches. Air and V-box testing performed on welded seams and patchwork.

Field Representative: Jim Kunzelman Date 7-27-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-26-12	Day of Week	Thursday		
Weather:	Cloudy, 93	**Rain: N/A**	Accum. N/A		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-26-12:

- Performed daily startups.
- Hallaton deployed 40 mil. textured panels P302 to P315 for a total SF of (+/-) 19,731.5.
- Hallaton welded (+/-) 902 LF of 2,533.5 of seam.
- Marked DT's 231 to 235.
- No DT's obtained/shipped today. No DT results received today.
- Hallaton performing detail work on deployed 40 mil. textured panels, including v-box of patchwork and gas well boots, and air testing. Air lance testing continues on TPO welded Seams and patchwork on the south slope.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman
Date 7-26-12
Reviewed by:
Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-25-12	Day of Week	Wednesday		
Weather:	Cloudy, 93	**Rain: N/A**	Accum. N/A		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-25-12:

- Performed PM hot air and wedge startups.
- Hallaton continues with TPO installation from the midlevel bench to the south slope toe.
- Deployed TPO panels P250 to P254 for a total SF of (+/-) 4,151.5.
- Hallaton wedge welded (+/-) 596 LF of seam today.
- Shipped DT's 225, 226, 227, 228 and 229.
- Marked DT 230 (28) today on seam P251/P253.
- Hallaton performing detail work on deployed TPO and air testing on welded seams.
- Installed rain flaps RF 139 to 140, north slope, mid level.

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Field Representative: Jim Kunzelman Date 7-25-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-24-12	Day of Week	Tuesday		
Weather:	Cloudy, 89	**Rain:**		Accum.	N/A

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-24-12:

- Performed PM hot air and wedge startups.
- Hallaton continues with TPO installation from the midlevel bench to the south slope toe.
- Deployed TPO panel P249 for a total SF of (+/-) 1,339.5.
- Hallaton wedge welded (+/-) 141 LF of seam today.
- Marked DT 229.
- DT's 220A, and 224 to 229 have yet to be obtained for ship0ment and analysis.
- Thalle continues earthwork activities on the south slope (trench excavation and backfill).

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 7-24-12

Reviewed by: — Date:

DAILY FIELD REPORT

Date:	7-23-12	Day of Week	Monday
Weather:	Cloudy, 92	**Rain:**	Accum. N/A

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-23-12:

- Performed one (1) PM wedge startup.
- Hallaton continues with TPO installation from the midlevel bench to the south slope toe.
- Deployed TPO panels P243 to P248 for a total SF of (+/-) 4,170.5.
- Hallaton wedge welded (+/-) 600 LF of seam today.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 7-23-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-22-12	Day of Week	Sunday		
Weather:	Sunny, 91	**Rain: PM**	Accum. N/A		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-22-12:

- Performed AM/PM hot air and wedge startups.
- Hallaton continues with TPO installation from the midlevel bench to the south slope toe.
- Deployed TPO panels P233 to P242 for a total SF of (+/-) 8,113.
- Hallaton wedge welded (+/-) 1,175 LF of seam today.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman
Date 7-22-12

Reviewed by:
Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-21-12	Day of Week	Saturday		
Weather:	Sunny, 93	**Rain: PM**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-21-12:

- Performed AM/PM hot air and wedge startups.
- Hallaton continues with TPO installation from the midlevel bench to the south slope toe.
- Deployed TPO panels P218 to P232 for a total SF of (+/-) 14,896.
- Hallaton wedge welded (+/-) 1,037 LF of seam today.
- No DT's marked or shipped today.
- Thalle continues earthwork activities on the south slope.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 7-21-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-20-12	Day of Week	Friday		
Weather:	Sunny, 93	**Rain: PM**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-20-12:

- Performed PM fusion startups.
- Hallaton deployed TPO panels P214 to P217 for a total SF of (+/-) 3,961.5.
- A total of (+/-) 287.5 LF of welded seam today.
- No DT's marked or shipped today.
- Thalle continues earthwork activities on the south slope.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 7-20-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-19-12	Day of Week	Thursday		
Weather:	Sunny, 93	**Rain: PM**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-19-12:

- Performed PM extrusion startups.
- Hallaton continued with rain flap installation on the north side, top crest and bench, center to west.
- Installed rain flaps RF 119 and 127
- Hallaton extrusion welded (+/-) 624 LF of RF today.

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Field Representative: Jim Kunzelman — Date 7-19-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-14-12	Day of Week	Saturday		
Weather:	Sunny, 95	**Rain: PM**	Accum. N/A		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-14-12:

- Performed AM extrusion startups.
- Hallaton continued with rain flap installation on the north side, top crest, center to west.
- Installed rain flaps RF 117 and 118
- Hallaton extrusion welded (+/-) 190 LF of RF today.
- No DT's marked or shipped today.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 7-14-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-13-12	Day of Week	Friday		
Weather:	Sunny, 95	**Rain: PM**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-13-12:

- Performed AM/PM startups.
- Hallaton deployed TPO panels P199 to P213 for a total SF of (+/-) 4,142. TPO deployed on the south slope, west of center.
- Hallaton wedge welded (+/-) 449 LF of seam today.
- Marked and shipped DT's 222(20) and 223(21). Additionally shipped DT 221(19) today.
- DT's 215(13) to 219(17) passed. DT 220(18) Failed (non-FTB).
- Additionally marked DT 220(18)A. Ten feet after DT-220(18). No before sample marked due to the close proximity to the anchor trench.
- Hallaton initiated rain flap installation on the north top crest, center to west end. Installed rain flaps RF113 to RF116.
- Hallaton extrusion welded (+/-) 315 LF of RF today.

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Field Representative: Jim Kunzelman — Date 7-13-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-12-12	Day of Week	Thursday		
Weather:	Sunny, 97	**Rain: PM**	Accum. N/A		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-12-12:

- Performed one PM wedge startup.
- Hallaton deployed TPO panels P180 to P198 for a total SF of (+/-) 8046.5. TPO deployed on the south slope, west of center.
- Hallaton wedge welded (+/-) 875.5 LF of seam today.
- No DT's marked or shipped today.
- Site work not initiated until 1:30 PM today.
- Thalle reworking south slope for TPO deployment. Previously excavated anchor trenches and slopes damaged by evening rains.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 7-12-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-11-12	Day of Week	Wednesday		
Weather:	Sunny, 97	**Rain: PM**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-11-12:

- Performed PM hot air and wedge startups.
- No TPO deployed today due to poor onsite conditions caused by evening rain events.
- Monitored air-lance test of welded seams and patches.
- Monitored the installation of three patches.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman Date 7-11-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-10-12	Day of Week	Tuesday		
Weather:	Sunny, 97	**Rain: PM**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-10-12:

- Performed PM hot air and wedge startups.
- Hallaton deployed TPO panels P177 to P179 for a total square feet of (+/-) 1,767. TPO deployed on south slope (east center) from the top level crest to the mid level bench.
- Hallaton welded (+/-) 247 linear feet.
- No DT's marked or shipped today.
- Monitored air-lance test of welded seams and patches.
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.
- Thalle backfilling TPO anchor trenches as work is completed. Density tests subsequently performed on each lift of material placed in each anchor trench.
- Hallaton continues installing geotextile in anchor trenches prior to backfilling.
- DT's 209(7), 210(8), 211(9), 212(10), 213(11) and 214(12) passed.

Field Representative: Jim Kunzelman — Date 7-10-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-9-12	Day of Week	Monday		
Weather:	Sunny, 97	**Rain: N/A**	Accum. N/A		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-9-12:

- Performed AM/PM hot air and wedge startups.
- Hallaton deployed TPO panels P157 to P176 for a total square feet of (+/-) 6,711. TPO deployed on south slope (east center) from the top level crest to the mid level bench.
- Hallaton welded (+/-) 1,167 linear feet.
- No DT's marked or shipped today.
- Monitored air-lance test of welded seams and patches.
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.
- Thalle backfilling TPO anchor trenches as work is completed. Density tests subsequently performed on each lift of material placed in each anchor trench.
- Hallaton continues installing geotextile in anchor trenches prior to backfilling.
- A total of 8 rolls of geotextile utilized to-date on the south slope/TPO installation area. Roll #'s 130424300, 130424280, 130424287, 130424296, 130424289, 130424298, 130424279 and 130424281 used.

Field Representative: Jim Kunzelman — Date 7-9-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-7-12	Day of Week	Saturday		
Weather:	Sunny, 97	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-7-12:

- Performed AM/PM hot air and wedge startups.
- Hallaton deployed TPO panels P139 to P156 for a total square feet of (+/-) 9.006 . TPO deployed on south slope (east center) from the top level crest to the mid level bench.
- Hallaton welded (+/-) 1,041 linear feet.
- No DT's marked or shipped today.
- Monitored air-lance test of welded seams and patches.
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.
- Thalle backfilling TPO anchor trenches as work is completed. Density tests subsequently performed on each lift of material placed in each anchor trench.
- Hallaton continues installing geotextile in anchor trenches prior to backfilling.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 7-7-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-6-12	Day of Week	Friday		
Weather:	Sunny, 97	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-6-12:

- Performed AM/PM hot air and wedge startups.
- Hallaton deployed TPO panels P115 to P138 for a total square feet of (+/-)12,578 . TPO deployed on south slope (east center) from the top level crest to the mid level bench.
- Hallaton welded (+/-) 1,165 linear feet.
- Marked and shipped DT's 212(10), 213(11) and 214(12).
- Monitored air-lance test of welded seams and patches.
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.
- Thalle backfilling TPO anchor trenches as work is completed. Density tests subsequently performed on each lift of material placed in each anchor trench.
- Hallaton continues installing geotextile in anchor trenches prior to backfilling.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 7-6-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-5-12	Day of Week	Thursday		
Weather:	Sunny, 97	**Rain: N/A**	Accum. N/A		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-5-12:

- Performed AM/PM hot air and wedge startups.
- Hallaton deployed TPO panels P89 to P114 for a total square feet of (+/-) 15,618. TPO deployed on ESE slope from the top level crest to the mid level bench.
- Hallaton welded (+/-) 1,740 linear feet.
- Marked and shipped DT's 209(7), 210(8) and 211(9).
- Monitored air-lance test of welded seams and patches.
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.
- Thalle backfilling TPO anchor trenches as work is completed. Density tests subsequently performed on each lift of material placed in each anchor trench.
- Hallaton continues to install geotextile in anchor trenches prior to backfilling.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 7-5-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-4-12	Day of Week	Wednesday		
Weather:	Sunny, 97	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-4-12:

- Performed AM/PM hot air and wedge startups.
- Hallaton deployed TPO panels P68 to P88 for a total square feet of (+/-) 15,827. TPO deployed on ESE slope from the top level crest to the mid level bench.
- Hallaton welded (+/-) 1,427 linear feet.
- No DT's marked today.
- Monitored air-lance test of welded seams and patches.
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.
- Thalle backfilling TPO anchor trenches as work is completed. Density tests subsequently performed on each lift of material placed in each anchor trench.
- Hallaton continues to install geotextile in anchor trenches prior to backfilling.

Field Representative: Jim Kunzelman Date 7-4-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	7-3-12	Day of Week	Tuesday		
Weather:	Sunny, 88	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 7-3-12:

- Performed AM/PM hot air and wedge startups.
- Hallaton deployed TPO panels P52 to P67 for a total square feet of (+/-) 11,485.5. TPO deployed on ESE slope from the top level crest to the mid level bench.
- Hallaton welded (+/-) 784 linear feet.
- No DT's marked today.
- Monitored air-lance test of welded seams and patches.
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.
- Thalle backfilling TPO anchor trenches as work is completed. Density tests subsequently performed on each lift of material placed in each anchor trench.
- Hallaton continues to install geotextile in anchor trenches prior to backfilling.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 7-3-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-28-12	Day of Week	Thursday		
Weather:	Sunny, 88	**Rain: N/A**	Accum. N/A		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Jason Timmons/Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-28-12:

- Work cancelled due to wet site conditions from tropical storm Debby.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman  Date 6-28-12

Reviewed by: Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-27-12	Day of Week	Wednesday		
Weather:	AM Rain, 85	**Rain: N/A**	Accum. N/A		

Project Name: CCSWDC

Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-27-12:

- Work cancelled due to AM rain and wet site conditions from tropical storm Debby.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman  Date 6-27-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-26-12	Day of Week	Tuesday		
Weather:	Rain, 85	**Rain: N/A**	Accum. N/A		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Jason Timmons/Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-26-12:

- Work cancelled due to heavy rain and wind from tropical storm Debby.

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Field Representative: Jim Kunzelman  Date 6-26-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-25-12	Day of Week	Monday		
Weather:	Rain, 85	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-25-12:

- Work cancelled due to heavy rain and wind from tropical storm Debby.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 6-25-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-22-12	Day of Week	Friday		
Weather:	Rain, 85	**Rain: N/A**	Accum.	N/A	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-22-12:

- Work cancelled due to Rain. Hallaton left the site at 8:30AM.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 6-22-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-21-12	Day of Week	Thursday		
Weather:	M.Cloudy, 87	**Rain: N/A**	Accum. N/A		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-21-12:

- Hallaton not working today. Thalle decided to cancel TPO deployment on Wednesday due to a forecast of inclement weather.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 6-21-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-20-12	Day of Week	Wednesday		
Weather:	P. Sunny, 87	**Rain: 0.0"**	Accum. 0.0"		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-20-12:

- Performed AM/PM wedge and hot air startups.
- Hallaton deployed TPO panels P47 to P51 for a total SF of 3,619.5. TPO deployed on the ESE slope from the top crest to the midlevel bench.
- A total of 526 LF of seam welded today.
- No DT's marked today.
- Received lab results on DT's 206(4), 207(5) and 208(6). All passed with the exception of DT-206(4). DT-206(4) was a hot-air/Leistered seam.
- Monitored air-lance test of welded seams and patches.
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.
- Thalle backfilling TPO anchor trenches as work is completed. Density tests subsequently performed on each lift of material placed in each anchor trench.
- Hallaton continues to install geotextile in anchor trenches prior to backfilling.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 6-20-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-19-12	Day of Week	Tuesday		
Weather:	M. Sunny, 89	**Rain: 0.0"**	Accum. 0.0"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-19-12:

- Performed AM/PM wedge and hot air startups.
- Hallaton deployed TPO panels P29 to P46 for a total SF of 14,221.5. TPO deployed on the ESE slope from the top crest to the midlevel bench.
- A total of 2,062 LF of seam welded today.
- Marked and shipped DT-206 (4) on seam P21/P22 (Leistered), DT-207(5) on seam P34/P35 and . DT-208(6) on seam P37/P39.
- Received lab results on DT's 203(1), 204(2) and 205(3). All passed.
- Monitored air-lance test of welded seams and patches.
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.
- Thalle backfilling TPO anchor trenches as work is completed. Density tests subsequently performed on each lift of material placed in each anchor trench.
- Hallaton continues to install geotextile in anchor trenches prior to backfilling.

NOTICE: The presence and activities of the field representatives do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety, and the methods and sequence of construction.

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Field Representative: Jim Kunzelman — Date 6-19-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-18-12	Day of Week	Monday		
Weather:	P. Sunny, 85	**Rain: 0.0"**	Accum. 0.0"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-18-12:

- Performed AM/PM wedge and hot air startups.
- Hallaton deployed TPO panels P19 to P28 for a total SF of 7,296. TPO deployed on the south slope, east end, from the top crest to the midlevel bench.
- A total of 549 LF of seam welded today.
- Marked and shipped DT-205 (3) on seam P21/P22.
- Monitored air-lance test of welded seams and patches.
- Thalle continues earthwork activities on the north slope (west end), and top portion of the landfill (SW end).
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.
- Hallaton continues to install geotextile in anchor trenches prior to backfilling.

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Field Representative: Jim Kunzelman — Date 6-18-12

Reviewed by: — Date

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-15-12	Day of Week	Friday		
Weather:	Sunny, 90	**Rain: 0.0"**	Accum. 0.0"		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero and Justin
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	1	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-15-12:

- Performed AM/PM wedge and hot air startups.
- Hallaton deployed TPO panels P1 to P18 for a total SF of 11,874.5. TPO deployed on the south Slope, east end, from the top crest to the midlevel bench.
- A total of 1,032 LF of seam welded today.
- Marked DT-203 (1) on seam P7/P8 and DT-204(2) on seam P16/P18. Samples subsequently shipped to Precision Geosynthetic Labs in Anaheim, CA.
- Monitored air-lance test of welded seams and patches.
- Thalle continues earthwork activities on the north slope (west end), and top portion of the landfill (SW end).
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.
- Hallaton installing geotextile in all anchor trenches prior to backfilling.

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Field Representative: Jim Kunzelman — Date 6-15-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-14-12	Day of Week	Thursday		
Weather:	Sunny, 90	**Rain: 0.0"**	Accum. 0.0"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero and Justin
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-14-12:

- Hallaton/liner crew idle today.
- Attended weekly construction meeting at 10:00 AM.
- Thalle continues earthwork activities on the north slope (west end), and top portion of the landfill (SW end).
- Thalle excavating trenches and prepping the subgrade on the south slope for TPO deployment.

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This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 6-14-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	6-13-12	Day of Week	Wednesday		
Weather:	Sunny, 90	**Rain: 0.0"**	Accum. 0.0"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero and Justin
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 6-13-12:

- Hallaton performed TPO trial welds. Welds subsequently shipped to TRI Labs in Texas for analysis.
- No TPO deployed today. No Hallaton crew onsite except for Justin and Homero.
- Thalle continues earthwork activities on the north slope (west end), and top portion of the landfill (SW end).

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Field Representative: Jim Kunzelman — Date 6-13-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No. 09-36-7375	Page No. 1	Of 1
Date:	Day of Week	
Weather:	**Rain: 0.0"**	Accum. 0.0"

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Jason Timmons/Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative:

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JCB Lift	2

Activities observed for 5-22-17:

- Hallaton performed two AM extrusion start-ups
- Hallaton had deployed some LLDPE liner 5-21-17 and deployed remainder at North Slope locations Ridge and Bench starting N.E. corner and moving Westward. Sar (2) Rain Flaps Approximate area covered at Ridge 11'X 695', Bench 11'X 758' at seams and patches
- Monitored remaining extrusion welding and monitored all Vacuum Box testing at both locations.
- Monitored deployment and installation of Fabrinet GC at both areas including Tie installation and final listering.
-

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Field Representative: Mike Marcouiller — Date: 5-22-17

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	5-9-12	Day of Week	Wednesday		
Weather:	Sunny, 90	Rain: 0.0"	Accum. 5.8"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Kyle Nizer

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 5-9-12:

- Hallaton performed one PM extrusion startup.
- Hallaton installed rain flap on the crest of the NE corner for a total SF of (+/-) 3,751.
- Hallaton installed fabrinet GC on the north slope, covering liner panels for a total SF of (+/-) 3,751.
- Thalle continued soil cover on the GC up top on the west half.
- Thalle began sand cover on the permanent on the south end of the west slope.
- Hallaton deployed liner for rain flap on the bench of the N.E. corner for a total SF of (+/-) 2,684. The liner was only deployed and heat sealed down, it was not welded.
- All installed GC on the north slope has been walked off. Only one repair remains to be done, and that is on the liner under the GC approx. 3 panels in from the west and about 10' up from the bench.

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Field Representative: Kyle Nizer — Date 5-9-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	5-8-12	Day of Week	Tuesday		
Weather:	Sunny, 90	**Rain: 0.0"**	Accum. 5.8"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Kyle Nizer

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 5-8-12:

- Hallaton performed two AM extrusion startups.
- Hallaton installed permanent GC panel 31 to 36 on the west slope on top of the 60 mil. HDPE liner for a total SF of (+/-) 17,100 covering liner panels 5 to 9. Detail work subsequently performed.
- Hallaton installed rain flap on the north toe for a total SF of (+/-) 1,672.
- Hallaton installed fabrinet GC on the north slope (crest to bench), covering liner panels 230 - 245, 265, & 266, for a total SF of (+/-) 67,500. Detail work subsequently performed.
- Thalle continued soil cover on the GC up top on the east portion of the west half.
- Thalle continued to work on the bench getting GC exposed for rain flap in the NE corner.

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Field Representative: Kyle Nizer — Date 5-8-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	5-7-12	Day of Week	Monday		
Weather:	Sunny, 90	**Rain: 0.0"**	Accum. 5.8"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Kyle Nizer

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 5-7-12:

- Performed two AM and two PM extrusion startup.
- Hallaton installed permanent GC panel 25 to 30 on the west slope on top of the 60 mil. HDPE liner for a total SF of (+/-) 17,100 covering liner panels 1 to 5. Detail work subsequently performed.
- Hallaton installed liner and GC for the rain flap on the east slope bench for a total SF of (+/-) 1,562. Detail work subsequently performed.
- Hallaton installed liner and GC for the rain flap on the toe of the north slope for a total SF of (+/-) 4,477. Detail work subsequently performed.
- Thalle continues soil cover on placed GC at the east end of the north slope (crest to toe).
- After lunch Thalle began soil cover on the GC up top.

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Field Representative: Kyle Nizer — Date 5-7-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	5-4-12	Day of Week	Friday		
Weather:	Sunny, 90	**Rain: 0.0"**	Accum. 5.8"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Kyle Nizer

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 5-4-12:

- Performed one AM and one PM extrusion startup.
- Hallaton installed GC panels 527 to 557 on the center of the west portion for a total SF of (+/-) 83,700.
- Hallaton deployed GC on top of liner panels 269 to 301 (center of top NW ¼) Detail work subsequently performed.
- Thalle continues soil cover on placed GC at the east end of the north slope (crest to toe).
- Walked off GC panels 496 -526.
- Walked off 60 Mil. HDPE panels 1 – 18 on the west slope.

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Field Representative: Kyle Nizer — Date 5-4-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	5-3-12	Day of Week	Thursday		
Weather:	Sunny, 92	**Rain: 0.0"**	Accum. 5.8"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Kyle Nizer

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 5-3-12:

- Performed two AM extrusion startups.
- Deployed 40 mil. LLDPE/textured liner on the north toe rain flap for a total of (+/-) 110 LF.
- Hallaton subsequently installed geocomposite over the rain flap on the north toe.
- Hallaton installed GC panels 496 to 526 up top on the east side of the west portion for a total SF of (+/-) 83,700
- Hallaton deployed GC on top of liner panels 265 to 301 (east end of top NW ¼). Detail work subsequently performed.
- Thalle continues soil cover on placed GC at the east end of the north slope (crest to toe).
- Walked the remainder of deployed GC on the north slope. Subsequently released to Thalle for soil cover.

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Field Representative: Kyle Nizer — Date 5-3-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	5-2-12	Day of Week	Wednesday		
Weather:	Sunny, 92	**Rain: 0.0"**	Accum. 5.8"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Kyle Nizer

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 5-2-12:

- Performed one PM extrusion startup.
- Deployed 40 mil. LLDPE/textured liner on the east midlevel/bench rain flap (+/-) 527 LF.
- Hallaton subsequently installed geocomposite over the rain flap on the east midlevel bench.
- Thalle excavating soil at the bench of the east slope (center of east slope to NE corner) for rain flap installation.
- Hallaton installed GC panels 467 to 494 on the north-slope for total SF of (+/-) 75,600. Deployed GC covers liner panels 127/128 to 229 (crest to toe). Detail work subsequently performed.
- Thalle continues soil cover on placed GC at the east end of the north slope.
- Walked a portion of the GC on the north slope to release to Thalle for cover.

Field Representative: Kyle Nizer — Date 5-2-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	5-1-12	Day of Week	Tuesday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 6.1"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 5-1-12:

- Performed one PM extrusion startup. One gun in operation this afternoon.
- Hallaton deployed Fabrinet GC panels 436 to 466 for a total SF of (+/-) 83,700.
- Deployed GC covers liner panel numbers 114/115 to 127 (crest to toe).
- Thalle continues work activities on the east slope for rain flap installation.
- Marked DT's 197 and 198.
- DT's 169 thru 192 passed.
- Thalle continues GC soil cover at the ENE and NNE areas.

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Field Representative: Jim Kunzelman — Date 5-1-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-30-12	Day of Week	Monday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 6.1"		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-30-12:

- Performed two AM and two PM extrusion startups. Two guns in operations today.
- Hallaton performing detail work today on top NW portion and NW slope of landfill.
- Monitored the testing of field coupons FC-20 thru FC-39. All passed.
- Thalle continues work activities on the east slope for rain flap installation.
- Marked DT's 194,194A2,194A3,194B,194B2,195 and 196.
- DT's 194, 194A, 194B, 194A2 failed in field. Hallaton will cap seam.
- Thalle continues GC soil cover at the ENE and NNE areas.
- No laboratory DT results today.

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Field Representative: Jim Kunzelman — Date 4-30-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of 1
Date:	4-28-12	Day of Week	Saturday	
Weather:	Sunny, 86, PM Showers	**Rain: 0.5"**	Accum. 6.1"	

Project Name: CCSWDC
Project Address: Knight's Trail Road,Laurel, FL.

Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-28-12:

- Performed four AM extrusion startups.
- Hallaton extrusion welded (+/-) 494 LF of 60 mil HDPE (textured) to 40 mil LLDPE (textured) on the west slope tie-in to the top (panels P267/31 to P301/10). Area subsequently v-boxed.
- Hallaton extrusion welded (+/-) 500 LF of rain flap at the east slope crest beginning at south end (liner panel P1) terminating approximately 500 feet to the north. Area subsequently v-boxed.
- Activities monitored by Cliff S. and Mike M. today.

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Field Representative: Jim Kunzelman — Date 4-28-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-27-12	Day of Week	Friday		
Weather:	Sunny, 82	**Rain: 0.0"**	Accum. 5.8"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-27-12:

- Performed four extrusion and one fusion AM startups and one PM extrusion startup.
- Deployed 40 mil. LLDPE/textured liner panels P287 to P301 for a total SF of (+/-) 99,810. Fusion welded a total seam length of (+/-) 4,772.5 LF.
- Marked DT's 172 to 192. Subsequently obtained and shipped.
- Thalle excavating soil at the crest of the east slope (south end approximately 500 to the north) for rain flap installation.
- Hallaton performing detail work on the top west, NW ¼ area.
- Thalle continues GC soil cover at the ENE and NNE areas.

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Field Representative: Jim Kunzelman — Date 4-27-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-26-12	Day of Week	Thursday		
Weather:	Sunny, 82	**Rain: 0.0"**	Accum. 5.8"		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Jason Timmons/Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-26-12:

- Performed three AM/PM fusion startups and one PM extrusion startup.
- Deployed 40 mil. LLDPE/textured liner panels P265 to P286 for a total SF of (+/-) 145,755.
- Marked DT's 170 (258/Tie-In/Toe) and 171 (250/Cap).
- Thalle excavating soil at the crest of the east slope (south end approximately 500 to the north) for rain flap installation.
- Hallaton performing detail work on the north slope, NW area, and top NW area.
- Thalle placing soil, grading/prepping top SW ¼ for liner deployment.
- Thalle continues GC soil cover at the ENE and NNE areas.
- DT's 164 to 168 passed.

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Field Representative: Jim Kunzelman — Date 4-26-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-25-12	Day of Week	Wednesday		
Weather:	Sunny, 82	**Rain: 0.0"**	Accum. 5.8"		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Jason Timmons/Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-25-12:

- Performed AM/PM extrusion and fusion startups.
- Extrusion welded north slope tie-in/toe (40 mil. LLDPE/textured) to Phase I 60 mil. (smooth) for a total LF of (+/-) 368.
- DT's 155 to 163 passed.
- Hallaton performs detail/patchwork on north slope, NW area.
- V-box activities continue on patchwork on the north slope, NW area.
- Marked DT's 168 and 169.
- Thalle placing soil, grading/prepping top west ¼ for liner deployment.
- Thalle continues GC soil cover at the ENE and NNE areas.
- Hallaton completes washout repair/cap in the area of panels 250 to 260. Fusion welded (+/-) 740 LF.

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Field Representative: Jim Kunzelman — Date 4-25-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-24-12	Day of Week	Tuesday		
Weather:	Sunny, 75, Windy (15 mph)	**Rain: 0.0"**	Accum. 5.8"		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Jason Timmons/Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-24-12:

- Performed AM/PM extrusion and fusion startups Two guns and one wedge in operation today.
- Extrusion welded north slope tie-in/toe (40 mil. LLDPE/textured) to Phase I 60 mil. (smooth) for a total LF of (+/-) 395.
- Hallaton completes washout repair/cap in the area of panels 133/134/234/235/236/237. Fusion welded (+/-) 660 LF.
- DT's 146 to 154 passed.
- Hallaton additionally performs detail/patchwork on north slope, NW area.
- V-box activities continue on patchwork on the north slope, NW area.
- Marked DT's 165,166 and 167.
- Walked remainder of placed GC on north slope, NE area. Area released apart from 4 repairs. Repair areas delineated with orange bags. Notified Homero and Feliciano.
- Thalle continues GC soil cover at the ENE and NNE areas.

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Field Representative: Jim Kunzelman — Date 4-24-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-23-12	Day of Week	Monday		
Weather:	Sunny, 83, Very Windy (30 mph)	**Rain: 0.0"**	Accum. 5.8"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-23-12:

- One (1) AM extrusion startup. One gun in operation today.
- Extrusion welded NW corner 40 mil. LLDPE (textured) to Phase II 60 mil. (textured) for a total LF of (+/-) 145.
- Hallaton/Thalle began washout repairs on the north slope, NW area. Cut panels 235/236 (at the top crest) to Panels 133 to 237 (at the toe) to repair significant washout. Material hauled in by off-road dump trucks and washout backfilled by one dozer. Area backfilled, but liner not capped due to windy conditions. Edges of liner ballasted by sand bags and rolls of GC. Area to be completed on 4/24/12.
- Thalle excavating accumulated soil at the toe of the north slope, NW area. Ponded water pumped out prior to excavation activities.
- V-box activities initiated on patchwork on the north slope, NW area.
- Hallaton additionally performs detail/patchwork on north slope, NW area.
- Thalle continues GC soil cover at the ENE and NNE areas, bench to toe and top portions.
- Thalle prepping/grading top west (north half) of landfill for liner deployment.
- Hallaton shuts down operations at 2:15 PM due to windy conditions.

Field Representative: Jim Kunzelman Date 4-23-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-20-12	Day of Week	Friday		
Weather:	M. Cloudy, 83	**Rain: 2.4"**	Accum. 5.8"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-20-12:

- Due to previous night's rainfall, no work performed today. Crew left at 10:45 AM.
- 2.4" of rain recorded for Thursday night.

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Field Representative: Jim Kunzelman Date 4-20-12

Reviewed by: Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-19-12	Day of Week	Thursday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 3.4"		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Jason Timmons/Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Justin/Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-19-12:

- AM/PM extrusion startups performed today. Three guns in operation today.
- Thalle continues sand cover/stockpile on 60 mil HDPE/Permanet on the west slope.
- No liner deployed today.
- Extrusion welded 40 mil. LLDPE texture to 60 mil. HDPE texture @ the NW corner for a total LF of (+/-) 272.
- Air testing of deployed liner seam 257/258 to 263/264 complete (passed). Air-test complete to-date.
- Thalle continues soil cover on the east end, NNE top/slope, and east slope.
- Marked DT's 157 to 163. Obtained DT's 145 to 163 for shipment.
- Hallaton performing detail work on north slope, NW area.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.

Field Representative: Jim Kunzelman
Date 4-19-12

Reviewed by:
Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-18-12	Day of Week	Wednesday		
Weather:	Sunny, 85	**Rain:Trace**	Accum. 3.4"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Justin/Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-18-12:

- AM subgrade walk of north slope, NW area. Cleared for liner deployment.
- Three (3) fusion AM/PM startups performed today. Three wedges in operation today.
- Thalle continues sand cover/stockpile on 60 mil HDPE/Permanet on the west slope.
- Deployed 40 mil. textured liner panels P246 to P264 on the north slope, NW area for a total SF of (+/-) 75,375.
- Total welded seam (+/-) 3,548 LF.
- Air testing of deployed liner seam 238/239 to seam 255/257 complete (passed).
- Thalle prepping top NW ¼ for 40 mil. liner deployment.
- Thalle continues soil cover on the east end, NNE top/slope, and east slope.
- Marked DT's 145 to 156.
- Hallaton performing detail work (leistering patches around structures) in the PM.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.

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Field Representative: Jim Kunzelman — Date 4-18-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-17-12	Day of Week	Tuesday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 3.4"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Justin/Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-17-12:

- AM subgrade walk of north slope, NW area. Cleared for liner deployment.
- Three (3) fusion AM/PM startups performed today. Three wedges in operation today.
- Thalle continues sand cover/stockpile on 60 mil HDPE/Permanet on the west slope.
- Deployed 40 mil. textured liner panels P228 to P245 on north slope, NW area for a total SF of (+/-) 130,140.
- Total welded seam (+/-) 5,778 LF.
- Air testing of deployed liner seam 134/228 to seam 237/238 complete (passed).
- Thalle continues prepping NW slope and NW top for 40 mil. liner deployment.
- Thalle continues soil cover on the east end, NNE top/slope, east slope, and NE area for . temporary roadway construction.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.

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Field Representative: Jim Kunzelman — Date 4-17-12

Reviewed by: — Date:

(MASTER) DAILY FIELD REPORT w DWG

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-16-12	Day of Week	Monday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 3.4"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Justin/Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-16-12:

- One (1) extrusion startup performed today for 3 vent patches on panels 191,192, and 193.
- Thalle continues sand cover/stockpile on 60 mil HDPE/Permanet on the west slope.
- Walked liner on NNE slope panels P106 to P118. All detail work, v-box, and air-testing complete. Released to Hallaton for GC deployment.
- Thalle continues prepping NW slope for 40 mil. liner deployment.
- Hallaton deployed GC panels 411 to 435, covering liner panels P106 to P115 (top crest to toe)
- Additionally covered liner panels P191 thru P194 (top NE corner) for a total SF of (+/-) 67,500.
- Thalle continues soil cover on the east end, NE top, east slope, east bench, and NE area for . temporary roadway construction.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.
- Informed Ryan with Thalle of time frame regarding GC soil cover.

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Field Representative: Jim Kunzelman — Date 4-16-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-13-12	Day of Week	Friday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 3.4"		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Jason Timmons/Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Justin
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-13-12:

- Thalle continues sand cover/stockpile on 60 mil HDPE/Permanet on the west slope.
- Walked GC on NE slope to liner panel 96. All repairs complete. Released to Thalle for access road construction.
- Thalle continues prepping NW slope for 40 mil. liner deployment.
- Hallaton performing detail work on deployed GC (NE area).
- Hallaton/Thalle completed adjustments to low areas at the east slope toe/rain flap. V-box complete.
- Thalle continues soil cover on the top of the landfill (east end) and east slope.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.
- Hallaton worked a ½ day.

This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman
Date 4-13-12

Reviewed by:
Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-12-12	Day of Week	Thursday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 3.4"		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Jason Timmons/Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Justin
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-12-12:

- Thalle continues sand cover/stockpile on 60 mil HDPE/Permanet on the west slope.
- Walked GC on NE slope. Repairs needed. Area not released for soil cover.
- Thalle prepping NW slope for 40 mil. liner deployment.
- Deployed GC panels P379 to P410, ENE slope. GC covered liner panels P 92 to P106 (NE) and top NE corner P190/191/192 for a total SF of (+/-) 86,400.
- Thalle continues soil cover on the top of the landfill (east end) and east slope.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.

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This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 4-12-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-11-12	Day of Week	Wednesday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 3.4"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Justin
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-11-12:

- Performed AM extrusion startups. One (1) gun in operation today. (for one patch on top NE corner).
- Thalle continues sand cover/stockpile on 60 mil HDPE/Permanet on the west slope.
- Walked GC on east slope to first bend in slope/drainage swale (center portion of east slope). Area tentatively released pending 4 repairs (repairs made 4/12/12 in AM). Thalle (Ryan) informed.
- Walked 40 mil. LLDPE panels P88 (NE corner) to P98 prior to GC cover. All repair work, Air testing, and V-Box complete. Subsequently released to Hallaton for GC cover.
- Deployed GC panels P360 to P378, ENE slope. GC covered liner panels P 75/76/77/88 (NE corner top crest to toe) to P91 (top crest to bench) for a total SF of (+/-) 51,300.
- Thalle continues soil cover on the top of the landfill (east end) and east slope.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.

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This report is provided solely as evidence that field observations were performed. Evaluations and/or recommendations conveyed in the engineer's report may vary from and shall take precedence over those indicated in the Daily Field Report. The equipment list is also subject to variables and is not to be used for pay purposes.

Field Representative: Jim Kunzelman — Date 4-11-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-10-12	Day of Week	Tuesday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 3.4"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-10-12:

- Performed AM extrusion startups. One (1) gun in operation today. (for patch on east slope & top P8).
- Thalle continues sand cover/stockpile on 60 mil HDPE/Permanet on the west slope.
- Hallaton deployed 12 rolls/panels (P13 to P24) of permanent on the west slope (covered to the middle of 60 mil liner panel P18). One repair needed @ P17 toe. Informed Ben with Thalle.
- Walked 40 mil. LLDPE panels P74 (NE corner) to P88 prior to GC cover. All repair work, Air testing, and V-Box complete. Subsequently released to Hallaton for GC cover.
- Deployed GC panels P345 to P359, ENE slope. GC covered top liner panels P62 to the NE corner (top crest to toe) for a total SF of (+/-) 40,500.
- Thalle continues soil cover on the top of the landfill (east end) and east slope.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.

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Field Representative: Jim Kunzelman — Date 4-10-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-09-12	Day of Week	Monday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 3.4"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-09-12:

- Performed AM extrusion startups. One (1) gun in operation today (for 1 patch on east slope).
- Thalle continues sand cover/stockpile on 60 mil HDPE/Permanet on the west slope.
- Walked panels P25 to P15 (60 mil. HDPE, west slope). All repairs, v-box and air test complete. Released to Hallaton for permanent deployment.
- Walked 40 mil. LLDPE panels P39 to P74 (NE corner) prior to GC cover. All repair work, Air testing, and V-Box complete. Subsequently released to Hallaton for GC cover.
- Deployed GC panels P317 to P344, east slope. GC covered top liner panels P37 to P62 to the toe for a total SF of (+/-) 48,600.
- Thalle continues soil cover on the top of the landfill (east end). Began cover on east slope.
- Walked deployed GC from liner panels P1 to P35 (entire east slope). Area subsequently released to Thalle for soil cover.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.

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Field Representative: Jim Kunzelman — Date 4-09-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-06-12	Day of Week	Friday		
Weather:	Sunny, 84	**Rain: 0.0"**	Accum. 3.4"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-06-12:

- Performed AM extrusion startups. One (1) gun in operation today (for 2 patches on east slope).
- Thalle continues sand cover/stockpile on 60 mil HDPE/Permanet on the west slope.
- Walked 40 mil. LLDPE panels P32 to P39 (east slope) prior to GC cover. All repair work, Air testing, and V-Box complete. Subsequently released to Hallaton for GC cover.
- Deployed GC panels P295 to P316, east slope. GC covered liner panels P26 to P39 for a total SF of (+/-) 59,400.
- Thalle continues soil cover on the top of the landfill (east end).
- Walked deployed GC from liner panels P1 to P35 (top portion only). Area subsequently released to Thalle for soil cover.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.
- Monitored V-Box of rain flap from P97 to mid P132, north slope toe (Passed).

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Field Representative: Jim Kunzelman — Date 4-06-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-05-12	Day of Week	Thursday		
Weather:	Sunny, 89,	**Rain: 0.0"**	Accum. 3.4"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-05-12:

- Performed PM extrusion startups. Two (2) guns in operation today (for rain flap installation).
- DT's 142 (19), 143 (20) and 144 (21) passed.
- Thalle continues sand cover/stockpile on 60 mil HDPE/Permanet on the west slope.
- Thalle continues placing soil at the north slope toe, Panel 126 to Panel 132 backfilled.
- Walked 40 mil. LLDPE panels P1 to P32 (east slope) prior to GC cover. All repair work, Air testing, and V-Box complete. Subsequently released to Hallaton for GC cover.
- Walked north toe from panel P121 to mid P133. All patchwork and testing appears complete. Area released to Thalle for soil cover.
- Deployed GC panels P274 to P294, east slope, from the bench to the toe. GC covered liner panels P1 to P26 for a total SF of (+/-) 56,700.
- Thalle continues soil cover on the top of the landfill (east end).
- Hallaton continues with the installation of rain flap beginning at P97 (ENE area) to P133 (midway), north slope toe. Extrusion welded (+/-) 678 LF of rain flap (RF-30 to RF-37).
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.

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Field Representative: Jim Kunzelman — Date 4-05-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-04-12	Day of Week	Wednesday		
Weather:	Sunny, 89, PM Showers	**Rain: 0.5"**	Accum. 3.4"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-04-12:

- Performed AM/PM extrusion startups. Two (2) guns in operation today.
- Performed AM Fusion startup. One (1) wedge in operation for washout cap repair panel P-13.
- Field coupon FC-18 (P-13 washout cap) passed in the field.
- DT's 140, 141, 142 (19), 143 (20) and 144 (21) shipped today.
- Thalle continues sand cover on 60 mil HDPE/Permanet on the west slope.
- Thalle continues placing soil at the north slope toe, NNE area to Panel 126 backfilled.
- Hallaton performing detail work on east slope (P13 washout cap), north toe, and patchwork/detail on the west slope. Related V-box and air-testing complete.
- Hallaton fusion welded north toe Panel P130 (middle) to seam 133/134 (Approx. 79 LF).
- Walked north toe from panel P121 to mid P133. All patchwork and testing appears complete. Area released to Thalle for soil cover.
- No GC deployed today.
- DT's 135 (17), 136 (18), 137, 138, 139, 121A(3A) and 121(3B) passed.
- Thalle continues soil cover on the top of the landfill (east end).
- Hallaton continues with the installation of rain flap beginning at P58 (ENE area) to P97 (NNE area). Extrusion welded (+/-) 772 LF of rain flap (RF-18 to RF-29).
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.

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Field Representative: Jim Kunzelman — Date 4-04-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-03-12	Day of Week	Tuesday		
Weather:	Sunny, 89	**Rain: 0.0"**	Accum. 2.9"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-03-12:

- Performed AM/PM extrusion startups. Two (2) guns in operation today.
- **Correction from 4/2/12**: Hallaton welded 1,005 LF of extrusion weld at the east slope toe rain flap on 4/2/12 (P1 to P58), not 757 LF (P1 to mid P45) as stated in the 4/2/12 daily.
- Field coupons FC-9 through FC-17 passed in the field.
- DT's 121A (3A) and 121B (3B) shipped today.
- Thalle commences sand cover on 60 mil HDPE/Permanet on the west slope.
- Thalle continues grading soil placed at the east slope toe, NE area.
- Hallaton performing detail work on east and north sides related to minor damage observed and field coupon cut-out repair.
- Walked north toe from panel P86 to mid P121. All patchwork and testing appears complete. Area released to Thalle for soil cover.
- Deployed GC panels 241 to 273 on the east slope top crest to bench (P1 to P31) for a total square footage of (+/-) 89,100. Area walked for confirmation prior to release. All testing/detail complete.
- DT-134 (16) failed. Notified Hallaton. Will resolve on 4/4/12.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.
- Washout observed beneath Panel 13, east slope, approximately 4 feet down-slope of the bench, To the toe. Notified Hallaton. Will resolve on 4/4/12.
- Thalle continues soil cover on the top of the landfill (east end).

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Field Representative: Jim Kunzelman — Date 4-03-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	4-02-12	Day of Week	Monday		
Weather:	Sunny, 88, Rain Saturday	**Rain: 1.0"**	Accum. 2.9"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 4-02-12:

- Performed AM/PM extrusion startups. Two (2) guns in operation today.
- Hallaton welded 757 LF of extrusion weld at the east slope toe rain flap (P1 to mid P45).
- Rain flap weld subsequently v-boxed with no leaks observed.
- All open edges of liner and GC appear well ballasted with sandbags and/or rolls of GC.
- Walked additional GC prior to soil cover to ensure product adequately installed. Subsequently released to Thalle.
- Deployed 6 oz. Permanet GC panels 1 to 12 for a total square footage of (+/-) 34,200. Permanet panels 1 to 12 cover 60 mil. HDPE liner panels 26 to 33 (west slope).
- Walked liner prior to Permanet GC cover to ensure all detail work, air test, and v-box testing complete. Additionally looked for damaged liner. Area subsequently released for GC cover pending DT results.
- Two-man crew documenting all repair work for repair log. (2-man crew also worked 3/31/12).
- DT's 137 to 139 shipped.
- Thalle has backfilled east slope toe from panel 1 to panel 42 (Began Friday through Saturday). Thalle completed backfilling of east slope toe (P85 to P42).
- Received DT results 119 (1) to 126 (8). All passed with the exception of DT 121(3). Two (2) Additional DT's were collected 20' after (DT-121A (3A)) and 10' before (DT-121B(3B)) to delineate extent of failed seam (located at panel seams 6/7).
- Marked DT's 140 and 141, and field coupons FC-9 to FC-17 (on butt-seams).

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Field Representative: Jim Kunzelman — Date 4-02-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-30-12	Day of Week	Friday		
Weather:	Sunny, 86	**Rain: 0.0"**	Accum. 1.9"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-30-12:

- Performed AM/PM extrusion startups.
- Hallaton performing detail work on west, north and east slopes.
- All open edges of liner appear well ballasted with sandbags and/or rolls of GC.
- Hallaton continues detail work on deployed GC.
- Walked GC prior to soil cover to ensure product adequately installed. Subsequently released to Thalle.
- Deployed GC panels 202 to 240 for a total square footage of (+/-) 105,300. GC panels 202 to 240 cover 60 mil. HDPE liner panels 135 to 188.
- Walked liner prior to GC cover to ensure all detail work, air test, and v-box testing complete. Additionally looked for damaged liner. Area subsequently released for GC cover.
- Marked DT's 137 to 139.
- DT's 134 to 136 (Hallaton DT #'s 16 to 18) shipped.
- Hallaton removed excess netting at the east slope toe and pulled fabric over netting. Walked east Slope toe to verify all testing performed and to ensure no additional damage exists. Toe deemed acceptable and released to Thalle to commence soil cover of the toe area (South end to NE corner).

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Field Representative: Jim Kunzelman — Date 3-30-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-29-12	Day of Week	Thursday		
Weather:	Sunny, 84,	**Rain: 0.0"**	Accum. 1.9"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-29-12:

- Performed AM/PM extrusion and fusion startups.
- Hallaton performing detail work on west, north and east slopes.
- Installation of boots and skirts, as well as washout repair continues on the north and east slopes. (+/-) 509 LF fusion welded for cap strips associated with washout repair at GW's 8 and 13.
- All open edges of liner appear well ballasted with sandbags and/or rolls of GC.
- Hallaton continues detail work on deployed GC.
- Thalle continues soil cover on GC .
- Deployed GC panels 157 to 201 for a total square footage of (+/-) 121,500. GC panels 157 to 192 covers liner panels 148, 150 to 188. GC panels 193 to 201 covers liner panels 135/136.
- Marked DT's 133 to 136 (Hallaton DT #'s 15 to 18).
- DT's 119 to 133 (Hallaton DT #'s 1 to 15) shipped.
- Walked GC prior to soil cover to ensure product adequately installed. Subsequently released to Thalle.
- Walked liner prior to GC cover to ensure all detail work, air test, and v-box testing complete. Additionally looked for damaged liner. Area subsequently released for GC cover.

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Field Representative: Jim Kunzelman — Date 3-29-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-28-12	Day of Week	Wednesday		
Weather:	Sunny, 84,	**Rain: 0.0"**	Accum. 1.9"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-28-12:

- Jim K. off today for deposition in Tampa.
- Performed AM/PM extrusion startups. Two (2) extrusion guns in operation today.
- Hallaton performing detail work on west, north and east slopes.
- Extrusion welded (+/-) 854 LF of seam at the west slope toe/tie-in (60 mil Agru to 60 mil GSE).
- Installation of boots and skirts, as well as washout repair continues on the north and east slopes.
- All open edges of liner appear well ballasted with sandbags and/or rolls of GC.
- Hallaton continues detail work on deployed GC.
- Thalle continues soil cover on GC .
- Deployed GC panels 119 to 156 for a total square footage of (+/-)102,600. GC panels 119 to 126 covers liner panels 167 to 182. GC panels 127 to 132 covers liner panels 223 to 226. GC panels 133 to 138 covers liner panels 223 to 226 and 189. GC panels 139 to 144 covers liner panels 183/184 to 189. GC panels 145 to 156 covers liner panels 135 to 148.
- Walked GC prior to soil cover to ensure product adequately installed. Subsequently released to Thalle.
- Walked liner prior to GC cover to ensure all detail work, air test, and v-box testing complete. Additionally looked for damaged liner. Area subsequently released for GC cover.

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Field Representative: Jim Kunzelman — Date 3-28-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-27-12	Day of Week	Tuesday		
Weather:	Sunny, 84,	**Rain: 0.0"**	Accum. 1.9"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-27-12:

- Performed AM/PM fusion startups. Three (3) wedges in operation today
- Performed AM/PM extrusion startups. One (1) extrusion gun in operation today.
- Deployed 60 mil. HDPE textured liner on the west slope. Deployed panels P1 to P39 for a total square footage of (+/-) 154,575.
- Walked NW corner subgrade on the west slope in the afternoon. Area accepted for 60 mil. area accepted for liner cover.
- All open edges of liner appear well ballasted with sandbags and/or rolls of GC.
- Installation of boots and skirts continues on the north slope.
- Deployed GC panels 88 to 118 for a total square footage of (+/-) 83,700. GC panels 88 to 100 covers liner panels 215 to 222. GC panels 101 to 113 covers liner panels 215, 169 to 182. GC panels 114 to 118 covers liner panels 1/167 to 173.
- Hallaton continues detail work on deployed GC.
- Thalle commences soil cover on GC .
- Marked DT's 119 to 132 (Hallaton corresponding DT #'s 1 to 14) on west slope/60 mil.
- Walked GC prior to soil cover to ensure product adequately installed. Subsequently released to Thalle.
- Walked liner prior to GC cover to ensure all detail work, air test, and v-box testing complete. Additionally looked for damaged liner. Area subsequently released for GC cover.

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Field Representative: Jim Kunzelman — Date 3-27-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-26-12	Day of Week	Monday		
Weather:	Sunny, 84,	**Rain: 0.0"**	Accum. 1.9"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-26-12:

- Performed AM/PM extrusion startups. One (1) extrusion gun in operation today.
- No liner deployed today.
- Walked subgrade on the west slope in the afternoon. Area accepted for 60 mil. deployment pending a few earthwork corrections.
- All open edges of liner appear well ballasted with sandbags and/or rolls of GC.
- Installation of boots and skirts continues on the north slope.
- Deployed GC panels 45 to 87 for a total square footage of (+/-)116,100. GC panels 45 to 57 covers Liner panels 143 to 155/156/157. GC panels 58 to 67 covers liner panels 208 to 214. GC panels 68 to 77 covers liner panels 208 to 214, 157/158 to 167/168. GC panels 78 to 87 covers liner panels 157 to 167.
- Hallaton commences detail work on deployed GC.
- Walked liner prior to GC cover to ensure all detail work, air test, and v-box testing complete. Additionally looked for damaged liner. Area subsequently released for GC cover.

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Field Representative: Jim Kunzelman — Date 3-26-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-23-12	Day of Week	Friday		
Weather:	Sunny, 85,	**Rain: 0.0"**	Accum. 1.9"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-23-12:

- Performed AM/PM extrusion startups. One (1) extrusion gun in operation today.
- No Liner deployed today.
- All DT's have been obtained and sent. All remaining DT's have passed (to 116).
- No air-tests performed on welded seams (all placed panels complete).
- All open edges of liner appear well ballasted with sandbags and/or rolls of GC.
- No DT's marked today.
- One (1) V-Box in operation today.
- Installation of boots and skirts continues east and north slopes.
  V-box testing and visual inspection subsequently performed.
- Only detail work performed today. No additional areas of subgrade have been released for deployment.
- Tentatively released panels P196 to P208 and panels P135 to P158 for GC deployment.
- Deployed GC panels 1 to 44 for a total square footage of (+/-)118,800. GC panels 1 to 19 covers Liner panels 196 to 207. GC panels 20 to 44 covers liner panels 196/135 to 157/158.
- Inspected gas wells and related piping for washouts. Obtained photographs and documented washouts, most notably around LCO3N (panel 126,N. Slope), GW-8 (panel 110, N. Slope) and GW 14 (panel 33, E. Slope Bench).

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Field Representative: Jim Kunzelman — Date 3-23-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-22-12	Day of Week	Thursday		
Weather:	Sunny, 87, PM Light Rain	**Rain: Trace**	Accum. 1.9"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-22-12:

- Performed AM/PM extrusion startups. Three (3) extrusion guns in operation today.
- No Liner deployed today.
- DT's 115 to 118 given to Ardaman Rep. today for shipment.
- No air-tests performed on welded seams (all placed panels complete).
- All open edges of liner appear well ballasted with sandbags and/or rolls of GC.
- No DT's marked today.
- One (1) V-Box in operation today.
- DT's 55, 60 to 75 and 23R1 passed.
- Hallaton continues fabricating pipe boots and skirts. Installation of boots and skirts continues on SE top, E and N sides of landfill. V-box testing and visual inspection subsequently performed.
- Field coupon FC-8 passed (Butt-seam 128-227).
- Only detail work performed today. No additional areas of subgrade have been released for deployment.
- Tentatively released panels P196 to P208 for GC deployment (pending DT results).

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Field Representative: Jim Kunzelman — Date 3-22-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of 1
Date:	3-21-12	Day of Week	Wednesday	
Weather:	Sunny, 85, PM Showers	**Rain: 1.9"**	Accum. 1.9"	

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-21-12:

- Performed AM fusion startup. A total of one (1) wedge in operation today.
- Performed AM/PM extrusion startups. Three (3) extrusion guns in operation today.
- No Liner deployed today.
- DT's 85, 92, 94, and 104 to 114 given to Ardaman Rep. today for shipment.
- No air-tests performed on welded seams (all placed panels complete).
- All open edges of liner appear well ballasted with sandbags and/or rolls of GC.
- DT's 115 to 118 marked today.
- One (1) V-Box in operation today.
- No DT results today.
- Hallaton continues fabricating pipe boots and skirts. Installation of boots and skirts commences on SE top of landfill. V-box testing and visual inspection subsequently performed.
- Marked four (4) field coupons (FC-5 to FC-8) on butt-seams along P-227. FC-5 failed in field. 100% peel on one bone. Subsequent FC's 6 and 7, marked on adjacent butt-seams to the east and west, passed. Seam subsequently capped. Cap approximately 32 feet in length.
- Only detail work performed today. No additional areas of subgrade have been released for deployment.
- Due to the presence of moisture on the liner from rain events, informed Hallaton to ensure all liner is dry prior to, and during welding activities.

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Field Representative: Jim Kunzelman — Date 3-21-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-20-12	Day of Week	Tuesday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 0.0"		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client: HDR
Client's Representative: Jason Timmons/Dean Ferry
General Contractor: Thalle
Contractor's Representative: Ryan
Specialty Contractor: Hallaton
Specialty's Representative: Homero
Project Engineer: Jerry Kuehn, P.E.
Field Representative: Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-20-12:

- Subgrade walked this AM.
- Performed AM/PM fusion startups. A total of three (3) wedges in operation today.
- Performed AM/PM extrusion startups. Three (3) extrusion guns in operation today.
- Deployed 40 mil. Textured LLDPE Panels 213 to 227 on the E Top of the landfill for a total SF of (+/-) 78,232.5. Liner deployed with the aid of one (1) JGB Lift. Additional rolls of liner transported to the work area by a second JGB Lift.
- Total welded seam length of (+/-) 4,387 (lineal feet).
- Extrusion weld seam @ toe (P108/110 to mid. P130) for a total lineal feet of (+/-) 343.
- DT's 23R1,55, 60 to 84, 86 to 91,93, 95 to 103 given to Ardaman Rep. today for shipment.
- Air-tests performed on welded seams (Panels 212 to 227 complete).
- All open edges of liner appear well ballasted with sandbags and/or rolls of GC.
- DT's 104 to 114, and 23R1 marked today.
- No V-Box testing today.
- DT's 49 to 53 and 56 to 59 passed.
- Failed DT-23 area (east slope toe) repaired. Marked DT 23R1.
- Hallaton began fabricating pipe boots and skirts.
- Marked four (4) field coupons (FC-1 to FC-4) on fusion welded butt-seams (east top and center).

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Field Representative: Jim Kunzelman — Date 3-20-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-19-12	Day of Week	Monday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 0.0"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Homero
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-19-12:

- Performed AM/PM fusion startups. A total of three (3) wedges in operation today.
- Performed AM/PM extrusion startups. Three (3) extrusion guns in operation today.
- Deployed 40 mil. Textured LLDPE Panels 185 to 212 on the E Top of the landfill for a total SF of (+/-) 160,357.5. Liner deployed with the aid of one (1) JGB Lift. Additional rolls of liner transported to the work area by a second JGB Lift.
- Total welded seam length of (+/-) 8,155 (lineal feet).
- No DT's given to Ardaman Rep. today for shipment.
- Air-tests performed on welded seams (Panels 183/184 to 211/212 complete).
- All open edges of liner appear well ballasted with sandbags and/or rolls of liner.
- DT's 66 to 103 marked today.
- V-Box testing continues on welded patches and seams.
- DT's 26 to 44, 21R1, 47, 48 and 54 passed.

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Field Representative: Jim Kunzelman — Date 3-19-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-16-12	Day of Week	Friday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 0.0"		

Project Name: CCSWDC
Project Address: Knight's Trail Road, Laurel, FL.

Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Halleton	Specialty's Representative:	Justin
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-16-12:

- Subgrade walked in AM.
- Performed AM/PM fusion startups. A total of three (3) wedges in operation today.
- Performed PM extrusion startups. Two (2) extrusion guns in operation today (PM).
- Deployed 40 mil. Textured LLDPE Panels 150 to 184 on the E Top of the landfill for a total SF of (+/-) 260,955. Liner deployed with the aid of one (1) JGB Lift. Additional rolls of liner transported to the work area by a second JGB Lift.
- Total welded seam length of (+/-) 12,694 (lineal feet).
- DT's 45,46,49,50,51,52,53,56,57,58 and 59 given to Ardaman Rep. today for shipment.
- Air-tests performed on welded seams (Panels 133/134 to 183/184 complete).
- All open edges of liner appear well ballasted with sandbags and/or rolls of liner.
- DT's 56,57,58,59,60,61,62,63,64 and 65 marked today.
- Hallaton performing detail/patchwork, and additionally continued extrusion welding the 40 mil/60 mil tie-in at the east/NE slope toe. A total of (+/-) 311 LF welded today (Panel 91 to Panel 108/110).
- Hallaton continues v-box testing on extruded patchwork and seams.
- PM ceased extrusion welding activities at the toe due to coupon test failures. AAI, Ardaman and Hallaton will meet Monday to discuss welding methods.
- DT's 15,16,17,18,19,20,24 and 25 passed.

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Field Representative: Jim Kunzelman — Date 3-16-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-15-12	Day of Week	Thursday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 0.0"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Halleton	Specialty's Representative:	Justin
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-15-12:

- Subgrade walked in AM. No subgrade acceptance sheet provided today.
- Performed AM/PM fusion startups. A total of three (3) wedges in operation today.
- Performed PM extrusion startups. Two (2) extrusion guns in operation today (PM).
- Deployed 40 mil. Textured LLDPE Panels 126 to 149 on the N slope & SE Top of the landfill for a total SF of (+/-) 169,627.5. Liner deployed with the aid of one (1) JGB Lift and one (1) John Deere Gator. Additional rolls of liner transported to the work area by a second JGB Lift.
- Total welded seam length of (+/-) 7,740 (lineal feet).
- DT's 36,37,38,39,40,41,42,44,47,48 and 54 given to Ardaman Rep. today for shipment.
- Air-tests performed on welded seams (Panels 112 to 133/134 complete).
- All open edges of liner appear well ballasted with sandbags and/or rolls of liner.
- DT's 45,46,47,48,49,50,51,52,53,54,and 55 marked today.
- Hallaton performing detail/patchwork, and additionally continued extrusion welding the 40 mil/60 mil tie-in at the east/NE slope toe. A total of (+/-) 445 LF welded today (Panel 69 to Panel 91).
- Hallaton continues v-box testing on extruded patchwork and seams.

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Field Representative: Jim Kunzelman — Date: 3-15-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-14-12	Day of Week	Wednesday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 0.0"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Halleton	Specialty's Representative:	Justin
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-14-12:

- Subgrade walked in AM. No subgrade acceptance sheet provided today.
- Performed AM/PM fusion startups. A total of three (3) wedges in operation today.
- Performed PM extrusion startups. Two (2) extrusion guns in operation today (PM).
- Deployed 40 mil. Textured LLDPE Panels 89 to 125 on the NE/N side of the landfill for a total square footage of (+/-) 180,826.5. Liner deployed with the aid of one (1) JGB Lift and one (1) John Deere Gator. Additional rolls of liner transported to the work area by a second JGB Lift.
- Total welded seam length of (+/-) 4,859 (lineal feet).
- DT's 21R1,26,27,28,29,30,31,32,33,34,35,and 43 given to Ardaman Rep. today for shipment.
- Air-tests performed on welded seams (Panels 76 to 112 complete).
- All open edges of liner appear well ballasted with sandbags and/or rolls of liner.
- DT's 33 to 45, plus 21R1 marked today. Extrusion DT 21 failed in field on 3/13/12.
- Hallaton performing detail/patchwork, and additionally continued extrusion welding the 40 mil/60 mil tie-in at the east slope toe. A total of (+/-) 55 LF welded today (Panel 61 to Panel 69).
- Due to laboratory issues, DT archives 1,3,4,7,9,10,12,13 and 14 resent to lab for analysis.

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Field Representative: Jim Kunzelman — Date 3-14-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-13-12	Day of Week	Tuesday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 0.0"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Halleton	Specialty's Representative:	Justin
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-13-12:

- Performed AM/PM fusion startups. A total of three (3) wedges in operation today.
- Performed PM extrusion startups. Two (2) extrusion guns in operation today (PM).
- Deployed 40 mil. Textured LLDPE Panels 59 to 88 on the NE/N side of the landfill for a total square footage of (+/-) 90,597.5. Liner deployed with the aid of one (1) JGB Lift and one (1) John Deere Gator. Additional rolls of liner transported to the work area by a second JGB Lift.
- Total welded seam length of (+/-) 5,240 (lineal feet).
- No DT's given to Ardaman Rep. today for shipment.
- Air-tests performed on welded seams (Panels 59 to 87/88 complete).
- All open edges of liner appear well ballasted with sandbags and/or rolls of GC.
- DT's 21 to 32 marked today.
- Hallaton performing detail/patchwork, and additionally continued extrusion welding the 40 mil/60 mil tie-in at the east slope toe. A total of (+/-) 491 LF welded today (P30 to P61).
- No DT results today.

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Field Representative: Jim Kunzelman — Date 3-13-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-12-12	Day of Week	Monday		
Weather:	Sunny, 85	**Rain: 0.0"**	Accum. 0.0"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons/Dean Ferry
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Halleton	Specialty's Representative:	Justin
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JGB Lift	2

Activities observed for 3-12-12:

- No subgrade acceptance sheet provided today.
- Performed AM/PM fusion startups. A total of three (3) wedges in operation today.
- Performed PM extrusion startups. Two (2) extrusion guns in operation today (PM).
- Deployed 40 mil. Textured LLDPE Panels 34 to 58 on the ENE side of the landfill for a total square footage of (+/-) 103,189. Liner deployed with the aid of one (1) JGB Lift and one (1) John Deere Gator. Additional rolls of liner transported to the work area by a second JGB Lift.
- Total welded seam length of (+/-) 5,746 (lineal feet).
- DT's 1,3,4,7,9,10,12,13 and 14 given to Ardaman Rep. today for shipment.
- Air-tests performed on welded seams (Panels 28/29 to 36/37 complete).
- All open edges of liner appear well ballasted with sandbags and/or rolls of liner.
- No DT's marked today.
- Hallaton performing detail/patchwork, and additionally began extrusion welding the 40 mil/60 mil tie-in at the east slope toe. A total of (+/-) 445 LF welded today (Panel 1 to Panel 30).

Field Representative: Jim Kunzelman — Date 3-12-12

Reviewed by: — Date:

ARDAMAN & ASSOCIATES, INC.
DAILY FIELD REPORT

File No.	09-36-7375	Page No.	1	Of	1
Date:	3-10-12	Day of Week	Saturday		
Weather:	85 Sunny, AM Wind,	**Rain: 0.0"**	Accum. 0.0"		

Project Name:	CCSWDC	Project Address:	Knight's Trail Road, Laurel, FL.
Client:	HDR	Client's Representative:	Jason Timmons
General Contractor:	Thalle	Contractor's Representative:	Ryan
Specialty Contractor:	Hallaton	Specialty's Representative:	Justin
Project Engineer:	Jerry Kuehn, P.E.	Field Representative:	Jim Kunzelman

Equipment:

Dozers	0	Dump Trucks	0	Pay Loaders	0	Discs	0
Scraper Pans	0	Motor Graders	0	Backhoes	0	Gradalls	0
Pumps	0	Water Trucks	0	Compactors	0	JCB Lift	2

Activities observed for 3-10-12:

- Signed subgrade acceptance sheet in the AM.
- Performed AM/PM fusion startups/qualifying pre-welds. A total of four (4) wedges in operation today.
- Performed PM extrusion startups. One (1) extrusion gun in operation today (PM).
- Deployed 40 mil. Textured LLDPE Panels 1 to 33 on the east side of the landfill for a total square footage of (+/-) 208,260. Liner deployed with the aid of one (1) JCB Lift and one (1) John Deere Gator. Additional rolls of liner transported to the work area by a second JGB Lift.
- Total welded seam length of (+/-) 9,072 (lineal feet).
- Marked DT's 1 thru 20 on welded seams. No DT's given to Ardaman Rep. today for shipment.
- Air-tests performed on welded seams (Panels 1 to 28/29 complete).
- South edge of deployed liner (Panel 1) placed in a temporary anchor trench. All remaining open edges of liner appear well ballasted with sandbags and/or rolls of GC.

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Field Representative: Jim Kunzelman — Date 3-10-12

Reviewed by: — Date:

APPENDIX 12

Geomembrane Installation
Panel Placement Records

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 1

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
1	3/10/2012	A.M.	40 Mil.	LD Texture	304 101	22.5	408.0	9180.0	9,180.0
2	3/10/2012	A.M.	40 Mil.	LD Texture	304 101	22.5	170.0	3825.0	13,005.0
3	3/10/2012	A.M.	40 Mil.	LD Texture	304 204	22.5	238.0	5355.0	18,360.0
4	3/10/2012	A.M.	40 Mil.	LD Texture	304 204	22.5	321.0	7222.5	25,582.5
5	3/10/2012	A.M.	40 Mil.	LD Texture	304 101	22.5	87.0	1957.5	27,540.0
6	3/10/2012	A.M.	40 Mil.	LD Texture	304 424	22.5	300.0	6750.0	34,290.0
7	3/10/2012	A.M.	40 Mil.	LD Texture	304 204	22.5	107.0	2407.5	36,697.5
8	3/10/2012	A.M.	40 Mil.	LD Texture	304 424	22.5	404.0	9090.0	45,787.5
9	3/10/2012	A.M.	40 Mil.	LD Texture	301 331	22.5	405.0	9112.5	54,900.0
10	3/10/2012	A.M.	40 Mil.	LD Texture	301 331	22.5	157.0	3532.5	58,432.5
11	3/10/2012	A.M.	40 Mil.	LD Texture	304 207	22.5	250.0	5625.0	64,057.5
12	3/10/2012	A.M.	40 Mil.	LD Texture	304 207	22.5	407.0	9157.5	73,215.0
13	3/10/2012	A.M.	40 Mil.	LD Texture	304 317	22.5	303.0	6817.5	80,032.5
14	3/10/2012	A.M.	40 Mil.	LD Texture	301 331	22.5	102.0	2295.0	82,327.5
15	3/10/2012	A.M.	40 Mil.	LD Texture	304 317	22.5	401.0	9022.5	91,350.0
16	3/10/2012	A.M.	40 Mil.	LD Texture	301 432	22.5	401.0	9022.5	100,372.5
17	3/10/2012	A.M.	40 Mil.	LD Texture	301 432	22.5	295.0	6637.5	107,010.0
18	3/10/2012	P.M.	40 Mil.	LD Texture	304 211	22.5	107.0	2407.5	109,417.5
19	3/10/2012	P.M.	40 Mil.	LD Texture	304 211	22.5	401.0	9022.5	118,440.0
20	3/10/2012	P.M.	40 Mil.	LD Texture	304 211	22.5	159.0	3577.5	122,017.5
21	3/10/2012	P.M.	40 Mil.	LD Texture	304 318	22.5	242.0	5445.0	127,462.5
22	3/10/2012	P.M.	40 Mil.	LD Texture	304 318	22.5	400.0	9000.0	136,462.5
23	3/10/2012	P.M.	40 Mil.	LD Texture	304 541	22.5	399.0	8977.5	145,440.0
24	3/10/2012	P.M.	40 Mil.	LD Texture	304 541	22.5	306.0	6885.0	152,325.0
25	3/10/2012	P.M.	40 Mil.	LD Texture	304 536	22.5	94.0	2115.0	154,440.0
26	3/10/2012	P.M.	40 Mil.	LD Texture	304 536	22.5	400.0	9000.0	163,440.0
27	3/10/2012	P.M.	40 Mil.	LD Texture	304 536	22.5	164.0	3690.0	167,130.0
28	3/10/2012	P.M.	40 Mil.	LD Texture	304 210	22.5	235.0	5287.5	172,417.5
29	3/10/2012	P.M.	40 Mil.	LD Texture	304 210	22.5	397.0	8932.5	181,350.0
30	3/10/2012	P.M.	40 Mil.	LD Texture	301 436	22.5	398.0	8955.0	190,305.0
31	3/10/2012	P.M.	40 Mil.	LD Texture	301 436	22.5	292.0	6570.0	196,875.0
32	3/10/2012	P.M.	40 Mil.	LD Texture	301 437	22.5	107.0	2407.5	199,282.5
33	3/10/2012	P.M.	40 Mil.	LD Texture	301 437	22.5	399.0	8977.5	208,260.0
34	3/12/2012	A.M.	40 Mil.	LD Texture	301 437	22.5	170.0	3825.0	212,085.0
35	3/12/2012	A.M.	40 Mil.	LD Texture	301 433	22.5	237.0	5332.5	217,417.5
36	3/12/2012	A.M.	40 Mil.	LD Texture	301 433	22.5	407.0	9157.5	226,575.0
37	3/12/2012	A.M.	40 Mil.	LD Texture	304 759	22.5	401.0	9022.5	235,597.5
38	3/12/2012	A.M.	40 Mil.	LD Texture	304 759	22.5	178.0	4005.0	239,602.5
39	3/12/2012	A.M.	40 Mil.	LD Texture	304 759	22.5	106.0	2385.0	241,987.5
40	3/12/2012	A.M.	40 Mil.	LD Texture	304 646	22.5	41.0	922.5	242,910.0
41	3/12/2012	A.M.	40 Mil.	LD Texture	304 646	22.5	158.0	3555.0	246,465.0
42	3/12/2012	A.M.	40 Mil.	LD Texture	304 646	22.5	151.0	3397.5	249,862.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 2

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
43	3/12/2012	A.M.	40 Mil.	LD Texture	305 102	22.5	97.0	2182.5	2,182.5
44	3/12/2012	P.M.	40 Mil.	LD Texture	304 646	22.5	53.0	1192.5	3,375.0
45	3/12/2012	P.M.	40 Mil.	LD Texture	305 102	12.0	34.0	408.0	3,783.0
46	3/12/2012	P.M.	40 Mil.	LD Texture	305 102	22.5	258.0	5805.0	9,588.0
47	3/12/2012	P.M.	40 Mil.	LD Texture	305 102	22.5	146.0	3285.0	12,873.0
48	3/12/2012	P.M.	40 Mil.	LD Texture	304 651	22.5	139.0	3127.5	16,000.5
49	3/12/2012	P.M.	40 Mil.	LD Texture	304 651	22.5	364.0	8190.0	24,190.5
50	3/12/2012	P.M.	40 Mil.	LD Texture	304 651	22.5	184.0	4140.0	28,330.5
51	3/12/2012	P.M.	40 Mil.	LD Texture	305 102	22.5	91.0	2047.5	30,378.0
52	3/12/2012	P.M.	40 Mil.	LD Texture	304 542	22.5	39.0	877.5	31,255.5
53	3/12/2012	P.M.	40 Mil.	LD Texture	305 102	11.0	62.0	682.0	31,937.5
54	3/12/2012	P.M.	40 Mil.	LD Texture	301 433	21.0	39.0	819.0	32,756.5
55	3/12/2012	P.M.	40 Mil.	LD Texture	304 545	22.5	249.0	5602.5	38,359.0
56	3/12/2012	P.M.	40 Mil.	LD Texture	304 545	13.0	300.0	3900.0	42,259.0
57	3/12/2012	P.M.	40 Mil.	LD Texture	305 104	22.5	315.0	7087.5	49,346.5
58	3/12/2012	P.M.	40 Mil.	LD Texture	305 104	22.5	312.0	7020.0	56,366.5
39B	3/12/2012	P.M.	40 Mil.	LD Texture	304 646	22.5	232.0	5220.0	61,586.5
59	3/13/2012	P.M.	40 Mil.	LD Texture	305 103	22.5	304.0	6840.0	68,426.5
60	3/13/2012	P.M.	40 Mil.	LD Texture	305 103	22.5	307.0	6907.5	75,334.0
61	3/13/2012	P.M.	40 Mil.	LD Texture	304 537	22.5	320.0	7200.0	82,534.0
62	3/13/2012	P.M.	40 Mil.	LD Texture	304 537	22.5	289.0	6502.5	89,036.5
63	3/13/2012	P.M.	40 Mil.	LD Texture	304 537	22.5	52.0	1170.0	90,206.5
64	3/13/2012	P.M.	40 Mil.	LD Texture	304 537	8.0	22.0	176.0	90,382.5
65	3/13/2012	P.M.	40 Mil.	LD Texture	304 652	22.5	92.0	2070.0	92,452.5
66	3/13/2012	P.M.	40 Mil.	LD Texture	304 652	22.5	93.0	2092.5	94,545.0
67	3/13/2012	P.M.	40 Mil.	LD Texture	304 652	22.5	42.0	945.0	95,490.0
68	3/13/2012	P.M.	40 Mil.	LD Texture	304 652	22.5	155.0	3487.5	98,977.5
69	3/13/2012	P.M.	40 Mil.	LD Texture	304 652	22.5	143.0	3217.5	102,195.0
70	3/13/2012	P.M.	40 Mil.	LD Texture	304 757	22.5	118.0	2655.0	104,850.0
71	3/13/2012	P.M.	40 Mil.	LD Texture	304 757	22.5	92.0	2070.0	106,920.0
72	3/13/2012	P.M.	40 Mil.	LD Texture	304 757	22.5	68.0	1530.0	108,450.0
73	3/13/2012	P.M.	40 Mil.	LD Texture	304 757	22.5	47.0	1057.5	109,507.5
74	3/13/2012	P.M.	40 Mil.	LD Texture	304 542	12.0	37.0	444.0	109,951.5
75	3/13/2012	P.M.	40 Mil.	LD Texture	304 757	22.5	291.0	6547.5	116,499.0
76	3/13/2012	P.M.	40 Mil.	LD Texture	304 756	22.5	260.0	5850.0	122,349.0
77	3/13/2012	P.M.	40 Mil.	LD Texture	304 756	22.5	132.0	2970.0	125,319.0
78	3/13/2012	P.M.	40 Mil.	LD Texture	304 756	22.5	154.0	3465.0	128,784.0
79	3/13/2012	P.M.	40 Mil.	LD Texture	304 652	22.5	19.0	427.5	129,211.5
80	3/13/2012	P.M.	40 Mil.	LD Texture	304 534	22.5	155.0	3487.5	132,699.0
81	3/13/2012	P.M.	40 Mil.	LD Texture	304 534	22.5	44.0	990.0	133,689.0
82	3/13/2012	P.M.	40 Mil.	LD Texture	304 534	22.5	144.0	3240.0	136,929.0
83	3/13/2012	P.M.	40 Mil.	LD Texture	304 534	22.5	122.0	2745.0	139,674.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 3

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
84	3/13/2012	P.M.	40 Mil.	LD Texture	304 534	22.5	97.0	2182.5	2,182.5
85	3/13/2012	P.M.	40 Mil.	LD Texture	304 428	22.5	71.0	1597.5	3,780.0
86	3/13/2012	P.M.	40 Mil.	LD Texture	304 428	22.5	46.0	1035.0	4,815.0
87	3/13/2012	P.M.	40 Mil.	LD Texture	304 534	22.5	35.0	787.5	5,602.5
88	3/13/2012	P.M.	40 Mil.	LD Texture	304 428	22.5	307.0	6907.5	12,510.0
89	3/14/2012	A.M.	40 Mil.	LD Texture	304 428	22.5	157.0	3532.5	16,042.5
90	3/14/2012	A.M.	40 Mil.	LD Texture	304 431	22.5	160.0	3600.0	19,642.5
91	3/14/2012	A.M.	40 Mil.	LD Texture	304 431	22.5	321.0	7222.5	26,865.0
92	3/14/2012	A.M.	40 Mil.	LD Texture	304 431	22.5	155.0	3487.5	30,352.5
93	3/14/2012	A.M.	40 Mil.	LD Texture	301 542	22.5	166.0	3735.0	34,087.5
94	3/14/2012	A.M.	40 Mil.	LD Texture	301 542	22.5	321.0	7222.5	41,310.0
95	3/14/2012	A.M.	40 Mil.	LD Texture	301 542	22.5	151.0	3397.5	44,707.5
96	3/14/2012	A.M.	40 Mil.	LD Texture	301 439	22.5	170.0	3825.0	48,532.5
97	3/14/2012	A.M.	40 Mil.	LD Texture	301 439	22.5	320.0	7200.0	55,732.5
98	3/14/2012	A.M.	40 Mil.	LD Texture	304 426	22.5	320.0	7200.0	62,932.5
99	3/14/2012	A.M.	40 Mil.	LD Texture	304 426	22.5	240.0	5400.0	68,332.5
100	3/14/2012	A.M.	40 Mil.	LD Texture	304 426	17.0	58.0	986.0	69,318.5
101	3/14/2012	A.M.	40 Mil.	LD Texture	301 439	22.5	141.0	3172.5	72,491.0
102	3/14/2012	A.M.	40 Mil.	LD Texture	304 762	22.5	90.0	2025.0	74,516.0
103	3/14/2012	A.M.	40 Mil.	LD Texture	304 762	17.0	54.0	918.0	75,434.0
104	3/14/2012	A.M.	40 Mil.	LD Texture	304 762	22.5	286.0	6435.0	81,869.0
105	3/14/2012	A.M.	40 Mil.	LD Texture	304 762	22.5	141.0	3172.5	85,041.5
106	3/14/2012	A.M.	40 Mil.	LD Texture	304 540	22.5	153.0	3442.5	88,484.0
107	3/14/2012	A.M.	40 Mil.	LD Texture	304 540	22.5	290.0	6525.0	95,009.0
108	3/14/2012	A.M.	40 Mil.	LD Texture	304 540	22.5	142.0	3195.0	98,204.0
109	3/14/2012	A.M.	40 Mil.	LD Texture	304 647	22.5	146.0	3285.0	101,489.0
110	3/14/2012	A.M.	40 Mil.	LD Texture	304 647	22.5	291.0	6547.5	108,036.5
111	3/14/2012	A.M.	40 Mil.	LD Texture	304 753	22.5	298.0	6705.0	114,741.5
112	3/14/2012	P.M.	40 Mil.	LD Texture	304 753	22.5	307.0	6907.5	121,649.0
113	3/14/2012	P.M.	40 Mil.	LD Texture	304 429	22.5	277.0	6232.5	127,881.5
114	3/14/2012	P.M.	40 Mil.	LD Texture	304 429	22.5	239.0	5377.5	133,259.0
115	3/14/2012	P.M.	40 Mil.	LD Texture	304 429	19.0	70.0	1330.0	134,589.0
116	3/14/2012	P.M.	40 Mil.	LD Texture	304 427	22.5	160.0	3600.0	138,189.0
117	3/14/2012	P.M.	40 Mil.	LD Texture	304 427	22.5	114.0	2565.0	140,754.0
118	3/14/2012	P.M.	40 Mil.	LD Texture	304 427	22.5	67.0	1507.5	142,261.5
119	3/14/2012	P.M.	40 Mil.	LD Texture	304 427	22.5	320.0	7200.0	149,461.5
120	3/14/2012	P.M.	40 Mil.	LD Texture	304 432	22.5	326.0	7335.0	156,796.5
121	3/14/2012	P.M.	40 Mil.	LD Texture	304 432	22.5	324.0	7290.0	164,086.5
122	3/14/2012	P.M.	40 Mil.	LD Texture	301 769	22.5	325.0	7312.5	171,399.0
123	3/14/2012	P.M.	40 Mil.	LD Texture	301 769	22.5	325.0	7312.5	178,711.5
124	3/14/2012	P.M.	40 Mil.	LD Texture	304 754	22.5	325.0	7312.5	186,024.0
125	3/14/2012	P.M.	40 Mil.	LD Texture	304 754	22.5	325.0	7312.5	193,336.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 4

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
126	3/15/2012	A.M.	40 Mil.	LD Texture	304 538	22.5	325.0	7312.5	7,312.5
127	3/15/2012	A.M.	40 Mil.	LD Texture	304 538	22.5	325.0	7312.5	14,625.0
128	3/15/2012	A.M.	40 Mil.	LD Texture	304 425	22.5	324.0	7290.0	21,915.0
129	3/15/2012	A.M.	40 Mil.	LD Texture	304 425	22.5	324.0	7290.0	29,205.0
130	3/15/2012	A.M.	40 Mil.	LD Texture	301 440	22.5	325.0	7312.5	36,517.5
131	3/15/2012	A.M.	40 Mil.	LD Texture	301 440	22.5	325.0	7312.5	43,830.0
132	3/15/2012	A.M.	40 Mil.	LD Texture	304 761	22.5	325.0	7312.5	51,142.5
133	3/15/2012	A.M.	40 Mil.	LD Texture	304 761	22.5	325.0	7312.5	58,455.0
134	3/15/2012	A.M.	40 Mil.	LD Texture	304 644	22.5	325.0	7312.5	65,767.5
135	3/15/2012	P.M.	40 Mil.	LD Texture	304 423	22.5	573.0	12892.5	78,660.0
136	3/15/2012	P.M.	40 Mil.	LD Texture	304 423	22.5	126.0	2835.0	81,495.0
137	3/15/2012	P.M.	40 Mil.	LD Texture	304 430	22.5	449.0	10102.5	91,597.5
138	3/15/2012	P.M.	40 Mil.	LD Texture	304 430	22.5	249.0	5602.5	97,200.0
139	3/15/2012	P.M.	40 Mil.	LD Texture	304 643	22.5	326.0	7335.0	104,535.0
140	3/15/2012	P.M.	40 Mil.	LD Texture	304 643	22.5	372.0	8370.0	112,905.0
141	3/15/2012	P.M.	40 Mil.	LD Texture	304 644	22.5	204.0	4590.0	117,495.0
142	3/15/2012	P.M.	40 Mil.	LD Texture	304 644	22.5	171.0	3847.5	121,342.5
143	3/15/2012	P.M.	40 Mil.	LD Texture	304 319	22.5	407.0	9157.5	130,500.0
144	3/15/2012	P.M.	40 Mil.	LD Texture	304 319	22.5	300.0	6750.0	137,250.0
145	3/15/2012	P.M.	40 Mil.	LD Texture	304 758	22.5	280.0	6300.0	143,550.0
146	3/15/2012	P.M.	40 Mil.	LD Texture	304 758	22.5	429.0	9652.5	153,202.5
147	3/15/2012	P.M.	40 Mil.	LD Texture	304 760	22.5	151.0	3397.5	156,600.0
148	3/15/2012	P.M.	40 Mil.	LD Texture	304 760	22.5	558.0	12555.0	169,155.0
149	3/15/2012	P.M.	40 Mil.	LD Texture	304 538	22.5	21.0	472.5	169,627.5
150	3/16/2012	A.M.	40 Mil.	LD Texture	304 645	22.5	583.0	13117.5	182,745.0
151	3/16/2012	A.M.	40 Mil.	LD Texture	304 645	22.5	124.0	2790.0	185,535.0
152	3/16/2012	A.M.	40 Mil.	LD Texture	305 101	22.5	462.0	10395.0	195,930.0
153	3/16/2012	A.M.	40 Mil.	LD Texture	305 101	22.5	243.0	5467.5	201,397.5
154	3/16/2012	A.M.	40 Mil.	LD Texture	304 533	22.5	342.0	7695.0	209,092.5
155	3/16/2012	A.M.	40 Mil.	LD Texture	304 533	22.5	354.0	7965.0	217,057.5
156	3/16/2012	A.M.	40 Mil.	LD Texture	304 209	22.5	228.0	5130.0	222,187.5
157	3/16/2012	A.M.	40 Mil.	LD Texture	304 209	22.5	472.0	10620.0	232,807.5
158	3/16/2012	A.M.	40 Mil.	LD Texture	304 208	22.5	109.0	2452.5	235,260.0
159	3/16/2012	A.M.	40 Mil.	LD Texture	304 208	22.5	581.0	13072.5	248,332.5
160	3/16/2012	A.M.	40 Mil.	LD Texture	304 102	22.5	581.0	13072.5	261,405.0
161	3/16/2012	A.M.	40 Mil.	LD Texture	304 102	22.5	120.0	2700.0	264,105.0
162	3/16/2012	A.M.	40 Mil.	LD Texture	301 764	22.5	460.0	10350.0	274,455.0
163	3/16/2012	A.M.	40 Mil.	LD Texture	301 764	22.5	246.0	5535.0	279,990.0
164	3/16/2012	A.M.	40 Mil.	LD Texture	304 314	22.5	332.0	7470.0	287,460.0
165	3/16/2012	A.M.	40 Mil.	LD Texture	304 314	22.5	369.0	8302.5	295,762.5
166	3/16/2012	A.M.	40 Mil.	LD Texture	304 422	22.5	209.0	4702.5	300,465.0
167	3/16/2012	A.M.	40 Mil.	LD Texture	304 422	22.5	498.0	11205.0	311,670.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 5

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
168	3/16/2012	A.M.	40 Mil.	LD Texture	305 103	22.5	81.0	1822.5	1,822.5
169	3/16/2012	A.M.	40 Mil.	LD Texture	304 206	22.5	579.0	13027.5	14,850.0
170	3/16/2012	A.M.	40 Mil.	LD Texture	304 206	22.5	125.0	2812.5	17,662.5
171	3/16/2012	A.M.	40 Mil.	LD Texture	304 212	22.5	456.0	10260.0	27,922.5
172	3/16/2012	A.M.	40 Mil.	LD Texture	304 212	22.5	245.0	5512.5	33,435.0
173	3/16/2012	P.M.	40 Mil.	LD Texture	304 321	22.5	333.0	7492.5	40,927.5
174	3/16/2012	P.M.	40 Mil.	LD Texture	304 321	22.5	369.0	8302.5	49,230.0
175	3/16/2012	P.M.	40 Mil.	LD Texture	304 320	22.5	207.0	4657.5	53,887.5
176	3/16/2012	P.M.	40 Mil.	LD Texture	304 320	22.5	498.0	11205.0	65,092.5
177	3/16/2012	P.M.	40 Mil.	LD Texture	304 426	22.5	81.0	1822.5	66,915.0
178	3/16/2012	P.M.	40 Mil.	LD Texture	302 110	22.5	579.0	13027.5	79,942.5
179	3/16/2012	P.M.	40 Mil.	LD Texture	302 110	22.5	123.0	2767.5	82,710.0
180	3/16/2012	P.M.	40 Mil.	LD Texture	304 755	22.5	457.0	10282.5	92,992.5
181	3/16/2012	P.M.	40 Mil.	LD Texture	304 755	22.5	248.0	5580.0	98,572.5
182	3/16/2012	P.M.	40 Mil.	LD Texture	302 101	22.5	330.0	7425.0	105,997.5
183	3/16/2012	P.M.	40 Mil.	LD Texture	302 101	22.5	373.0	8392.5	114,390.0
184	3/16/2012	P.M.	40 Mil.	LD Texture	301 771	22.5	201.0	4522.5	118,912.5
185	3/19/2012	A.M.	40 Mil.	LD Texture	301 771	22.5	493.0	11092.5	130,005.0
186	3/19/2012	A.M.	40 Mil.	LD Texture	304 652	22.5	72.0	1620.0	131,625.0
187	3/19/2012	A.M.	40 Mil.	LD Texture	302 217	22.5	559.0	12577.5	144,202.5
188	3/19/2012	A.M.	40 Mil.	LD Texture	302 217	22.5	135.0	3037.5	147,240.0
189	3/19/2012	A.M.	40 Mil.	LD Texture	302 106	22.5	425.0	9562.5	156,802.5
190	3/19/2012	A.M.	40 Mil.	LD Texture	302 106	22.5	269.0	6052.5	162,855.0
191	3/19/2012	A.M.	40 Mil.	LD Texture	301 659	22.5	336.0	7560.0	170,415.0
192	3/19/2012	A.M.	40 Mil.	LD Texture	301 659	22.5	303.0	6817.5	177,232.5
193	3/19/2012	A.M.	40 Mil.	LD Texture	301 659	22.5	50.0	1125.0	178,357.5
194	3/19/2012	A.M.	40 Mil.	LD Texture	301 655	22.5	209.0	4702.5	183,060.0
195	3/19/2012	A.M.	40 Mil.	LD Texture	301 655	22.5	294.0	6615.0	189,675.0
196	3/19/2012	A.M.	40 Mil.	LD Texture	301 653	22.5	235.0	5287.5	194,962.5
197	3/19/2012	A.M.	40 Mil.	LD Texture	301 653	22.5	234.0	5265.0	200,227.5
198	3/19/2012	A.M.	40 Mil.	LD Texture	301 653	22.5	234.0	5265.0	205,492.5
199	3/19/2012	A.M.	40 Mil.	LD Texture	301 548	22.5	233.0	5242.5	210,735.0
200	3/19/2012	A.M.	40 Mil.	LD Texture	301 548	22.5	231.0	5197.5	215,932.5
201	3/19/2012	A.M.	40 Mil.	LD Texture	301 548	22.5	230.0	5175.0	221,107.5
202	3/19/2012	A.M.	40 Mil.	LD Texture	301 657	22.5	232.0	5220.0	226,327.5
203	3/19/2012	A.M.	40 Mil.	LD Texture	301 657	22.5	234.0	5265.0	231,592.5
204	3/19/2012	A.M.	40 Mil.	LD Texture	301 657	22.5	235.0	5287.5	236,880.0
205	3/19/2012	P.M.	40 Mil.	LD Texture	302 215	22.5	235.0	5287.5	242,167.5
206	3/19/2012	P.M.	40 Mil.	LD Texture	302 215	22.5	235.0	5287.5	247,455.0
207	3/19/2012	P.M.	40 Mil.	LD Texture	302 215	22.5	236.0	5310.0	252,765.0
208	3/19/2012	P.M.	40 Mil.	LD Texture	302 107	22.5	234.0	5265.0	258,030.0
209	3/19/2012	P.M.	40 Mil.	LD Texture	302 107	22.5	234.0	5265.0	263,295.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 6

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
210	3/19/2012	P.M.	40 Mil.	LD Texture	302 107	22.5	236.0	5310.0	5,310.0
211	3/19/2012	P.M.	40 Mil.	LD Texture	301 656	22.5	237.0	5332.5	10,642.5
212	3/19/2012	P.M.	40 Mil.	LD Texture	301 656	22.5	237.0	5332.5	15,975.0
213	3/20/2012	A.M.	40 Mil.	LD Texture	301 656	22.5	234.0	5265.0	21,240.0
214	3/20/2012	A.M.	40 Mil.	LD Texture	301 550	22.5	234.0	5265.0	26,505.0
215	3/20/2012	A.M.	40 Mil.	LD Texture	301 550	22.5	231.0	5197.5	31,702.5
216	3/20/2012	A.M.	40 Mil.	LD Texture	301 550	22.5	227.0	5107.5	36,810.0
217	3/20/2012	A.M.	40 Mil.	LD Texture	302 213	22.5	227.0	5107.5	41,917.5
218	3/20/2012	A.M.	40 Mil.	LD Texture	302 213	22.5	229.0	5152.5	47,070.0
219	3/20/2012	A.M.	40 Mil.	LD Texture	302 213	22.5	231.0	5197.5	52,267.5
220	3/20/2012	A.M.	40 Mil.	LD Texture	301 761	22.5	231.0	5197.5	57,465.0
221	3/20/2012	A.M.	40 Mil.	LD Texture	301 761	22.5	233.0	5242.5	62,707.5
222	3/20/2012	A.M.	40 Mil.	LD Texture	301 761	22.5	235.0	5287.5	67,995.0
223	3/20/2012	A.M.	40 Mil.	LD Texture	301 654	22.5	236.0	5310.0	73,305.0
224	3/20/2012	A.M.	40 Mil.	LD Texture	301 654	22.5	235.0	5287.5	78,592.5
225	3/20/2012	A.M.	40 Mil.	LD Texture	301 654	22.5	231.0	5197.5	83,790.0
226	3/20/2012	A.M.	40 Mil.	LD Texture	304 647	22.5	230.0	5175.0	88,965.0
227	3/20/2012	A.M.	40 Mil.	LD Texture	301 762	22.5	233.0	5242.5	94,207.5
1	3/27/2012	A.M.	60 Mil.	HD Texture	203 565	22.5	187.0	4207.5	98,415.0
2	3/27/2012	A.M.	60 Mil.	HD Texture	203 565	22.5	188.0	4230.0	102,645.0
3	3/27/2012	A.M.	60 Mil.	HD Texture	203 578	22.5	188.0	4230.0	106,875.0
4	3/27/2012	A.M.	60 Mil.	HD Texture	203 578	22.5	189.0	4252.5	111,127.5
5	3/27/2012	A.M.	60 Mil.	HD Texture	203 577	22.5	190.0	4275.0	115,402.5
6	3/27/2012	A.M.	60 Mil.	HD Texture	203 577	22.5	191.0	4297.5	119,700.0
7	3/27/2012	A.M.	60 Mil.	HD Texture	203 579	22.5	192.0	4320.0	124,020.0
8	3/27/2012	A.M.	60 Mil.	HD Texture	203 579	22.5	194.0	4365.0	128,385.0
9	3/27/2012	A.M.	60 Mil.	HD Texture	203 568	22.5	195.0	4387.5	132,772.5
10	3/27/2012	A.M.	60 Mil.	HD Texture	203 568	22.5	196.0	4410.0	137,182.5
11	3/27/2012	A.M.	60 Mil.	HD Texture	203 572	22.5	197.0	4432.5	141,615.0
12	3/27/2012	A.M.	60 Mil.	HD Texture	203 572	22.5	197.0	4432.5	146,047.5
13	3/27/2012	A.M.	60 Mil.	HD Texture	203 564	22.5	199.0	4477.5	150,525.0
14	3/27/2012	A.M.	60 Mil.	HD Texture	203 564	22.5	201.0	4522.5	155,047.5
15	3/27/2012	A.M.	60 Mil.	HD Texture	203 681	22.5	201.0	4522.5	159,570.0
16	3/27/2012	A.M.	60 Mil.	HD Texture	203 681	22.5	201.0	4522.5	164,092.5
17	3/27/2012	A.M.	60 Mil.	HD Texture	203 566	22.5	202.0	4545.0	168,637.5
18	3/27/2012	A.M.	60 Mil.	HD Texture	203 566	22.5	203.0	4567.5	173,205.0
19	3/27/2012	A.M.	60 Mil.	HD Texture	203 573	22.5	203.0	4567.5	177,772.5
20	3/27/2012	A.M.	60 Mil.	HD Texture	203 573	22.5	203.0	4567.5	182,340.0
21	3/27/2012	A.M.	60 Mil.	HD Texture	203 580	22.5	201.0	4522.5	186,862.5
22	3/27/2012	A.M.	60 Mil.	HD Texture	203 580	22.5	199.0	4477.5	191,340.0
23	3/27/2012	P.M.	60 Mil.	HD Texture	203 571	22.5	200.0	4500.0	195,840.0
24	3/27/2012	P.M.	60 Mil.	HD Texture	203 571	22.5	199.0	4477.5	200,317.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 7

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
25	3/27/2012	P.M.	60 Mil.	HD Texture	203 570	22.5	196.0	4410.0	4,410.0
26	3/27/2012	P.M.	60 Mil.	HD Texture	203 570	22.5	194.0	4365.0	8,775.0
27	3/27/2012	P.M.	60 Mil.	HD Texture	203 569	22.5	190.0	4275.0	13,050.0
28	3/27/2012	P.M.	60 Mil.	HD Texture	203 569	22.5	186.0	4185.0	17,235.0
29	3/27/2012	P.M.	60 Mil.	HD Texture	203 576	22.5	185.0	4162.5	21,397.5
30	3/27/2012	P.M.	60 Mil.	HD Texture	203 576	22.5	184.0	4140.0	25,537.5
31	3/27/2012	P.M.	60 Mil.	HD Texture	203 567	22.5	181.0	4072.5	29,610.0
32	3/27/2012	P.M.	60 Mil.	HD Texture	203 567	22.5	177.0	3982.5	33,592.5
33	3/27/2012	P.M.	60 Mil.	HD Texture	203 574	22.5	164.0	3690.0	37,282.5
34	3/27/2012	P.M.	60 Mil.	HD Texture	203 574	22.5	143.0	3217.5	40,500.0
35	3/27/2012	P.M.	60 Mil.	HD Texture	203 574	22.5	122.0	2745.0	43,245.0
36	3/27/2012	P.M.	60 Mil.	HD Texture	203 567	22.5	99.0	2227.5	45,472.5
37	3/27/2012	P.M.	60 Mil.	HD Texture	203 570	22.5	74.0	1665.0	47,137.5
38	3/27/2012	P.M.	60 Mil.	HD Texture	203 564	22.5	46.0	1035.0	48,172.5
39	3/27/2012	P.M.	60 Mil.	HD Texture	203 570	22.5	13.0	292.5	48,465.0
228	4/17/2012	A.M.	40 Mil.	LD Texture	207 517	22.5	323.0	7267.5	55,732.5
229	4/17/2012	A.M.	40 Mil.	LD Texture	207 517	22.5	324.0	7290.0	63,022.5
230	4/17/2012	A.M.	40 Mil.	LD Texture	207 527	22.5	323.0	7267.5	70,290.0
231	4/17/2012	A.M.	40 Mil.	LD Texture	207 527	22.5	323.0	7267.5	77,557.5
232	4/17/2012	A.M.	40 Mil.	LD Texture	301 763	22.5	321.0	7222.5	84,780.0
233	4/17/2012	A.M.	40 Mil.	LD Texture	301 763	22.5	320.0	7200.0	91,980.0
234	4/17/2012	A.M.	40 Mil.	LD Texture	207 524	22.5	321.0	7222.5	99,202.5
235	4/17/2012	A.M.	40 Mil.	LD Texture	207 524	22.5	321.0	7222.5	106,425.0
236	4/17/2012	A.M.	40 Mil.	LD Texture	301 766	22.5	317.0	7132.5	113,557.5
237	4/17/2012	A.M.	40 Mil.	LD Texture	301 766	22.5	314.0	7065.0	120,622.5
238	4/17/2012	A.M.	40 Mil.	LD Texture	302 111	22.5	318.0	7155.0	127,777.5
239	4/17/2012	P.M.	40 Mil.	LD Texture	302 111	22.5	322.0	7245.0	135,022.5
240	4/17/2012	P.M.	40 Mil.	LD Texture	207 526	22.5	323.0	7267.5	142,290.0
241	4/17/2012	P.M.	40 Mil.	LD Texture	207 526	22.5	323.0	7267.5	149,557.5
242	4/17/2012	P.M.	40 Mil.	LD Texture	207 629	22.5	322.0	7245.0	156,802.5
243	4/17/2012	P.M.	40 Mil.	LD Texture	207 629	22.5	323.0	7267.5	164,070.0
244	4/17/2012	P.M.	40 Mil.	LD Texture	207 525	22.5	323.0	7267.5	171,337.5
245	4/17/2012	P.M.	40 Mil.	LD Texture	207 525	22.5	323.0	7267.5	178,605.0
246	4/18/2012	A.M.	40 Mil.	LD Texture	207 523	22.5	325.0	7312.5	185,917.5
247	4/18/2012	A.M.	40 Mil.	LD Texture	207 523	22.5	324.0	7290.0	193,207.5
248	4/18/2012	A.M.	40 Mil.	LD Texture	207 514	22.5	322.0	7245.0	200,452.5
249	4/18/2012	A.M.	40 Mil.	LD Texture	207 514	22.5	321.0	7222.5	207,675.0
250	4/18/2012	A.M.	40 Mil.	LD Texture	207 521	22.5	308.0	6930.0	214,605.0
251	4/18/2012	A.M.	40 Mil.	LD Texture	207 521	22.5	277.0	6232.5	220,837.5
252	4/18/2012	A.M.	40 Mil.	LD Texture	207 521	22.5	93.0	2092.5	222,930.0
253	4/18/2012	A.M.	40 Mil.	LD Texture	207 630	22.5	157.0	3532.5	226,462.5
254	4/18/2012	A.M.	40 Mil.	LD Texture	207 630	22.5	226.0	5085.0	231,547.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 8

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
255	4/18/2012	A.M.	40 Mil.	LD Texture	207 630	22.5	57.0	1282.5	1,282.5
256	4/18/2012	A.M.	40 Mil.	LD Texture	207 630	22.5	145.0	3262.5	4,545.0
257	4/18/2012	A.M.	40 Mil.	LD Texture	207 513	22.5	179.0	4027.5	8,572.5
258	4/18/2012	A.M.	40 Mil.	LD Texture	207 513	22.5	159.0	3577.5	12,150.0
259	4/18/2012	A.M.	40 Mil.	LD Texture	207 513	22.5	139.0	3127.5	15,277.5
260	4/18/2012	A.M.	40 Mil.	LD Texture	207 513	22.5	113.0	2542.5	17,820.0
261	4/18/2012	P.M.	40 Mil.	LD Texture	207 522	22.5	86.0	1935.0	19,755.0
262	4/18/2012	P.M.	40 Mil.	LD Texture	207 522	22.5	63.0	1417.5	21,172.5
263	4/18/2012	P.M.	40 Mil.	LD Texture	207 522	22.5	40.0	900.0	22,072.5
264	4/18/2012	P.M.	40 Mil.	LD Texture	207 522	22.5	16.0	360.0	22,432.5
265	4/26/2012	A.M.	40 Mil.	LD Texture	207 522	22.5	481.0	10822.5	33,255.0
266	4/26/2012	A.M.	40 Mil.	LD Texture	302 104	22.5	508.0	11430.0	44,685.0
267	4/26/2012	A.M.	40 Mil.	LD Texture	302 104	22.5	28.0	630.0	45,315.0
268	4/26/2012	A.M.	40 Mil.	LD Texture	302 104	22.5	160.0	3600.0	48,915.0
269	4/26/2012	A.M.	40 Mil.	LD Texture	301 660	22.5	345.0	7762.5	56,677.5
270	4/26/2012	A.M.	40 Mil.	LD Texture	301 660	22.5	357.0	8032.5	64,710.0
271	4/26/2012	A.M.	40 Mil.	LD Texture	302 109	22.5	145.0	3262.5	67,972.5
272	4/26/2012	A.M.	40 Mil.	LD Texture	302 109	22.5	501.0	11272.5	79,245.0
273	4/26/2012	A.M.	40 Mil.	LD Texture	302 109	22.5	51.0	1147.5	80,392.5
274	4/26/2012	A.M.	40 Mil.	LD Texture	302 104	22.5	449.0	10102.5	90,495.0
275	4/26/2012	A.M.	40 Mil.	LD Texture	302 104	22.5	250.0	5625.0	96,120.0
276	4/26/2012	A.M.	40 Mil.	LD Texture	302 214	22.5	248.0	5580.0	101,700.0
277	4/26/2012	A.M.	40 Mil.	LD Texture	302 214	22.5	457.0	10282.5	111,982.5
278	4/26/2012	A.M.	40 Mil.	LD Texture	207 514	22.5	40.0	900.0	112,882.5
279	4/26/2012	A.M.	40 Mil.	LD Texture	301 767	22.5	496.0	11160.0	124,042.5
280	4/26/2012	A.M.	40 Mil.	LD Texture	301 767	22.5	207.0	4657.5	128,700.0
281	4/26/2012	A.M.	40 Mil.	LD Texture	302 212	22.5	286.0	6435.0	135,135.0
282	4/26/2012	P.M.	40 Mil.	LD Texture	302 212	22.5	418.0	9405.0	144,540.0
283	4/26/2012	P.M.	40 Mil.	LD Texture	302 216	22.5	73.0	1642.5	146,182.5
284	4/26/2012	P.M.	40 Mil.	LD Texture	302 216	22.5	490.0	11025.0	157,207.5
285	4/26/2012	P.M.	40 Mil.	LD Texture	302 216	22.5	142.0	3195.0	160,402.5
286	4/26/2012	P.M.	40 Mil.	LD Texture	302 108	22.5	346.0	7785.0	168,187.5
287	4/27/2012	A.M.	40 Mil.	LD Texture	302 108	22.5	351.0	7897.5	176,085.0
288	4/27/2012	A.M.	40 Mil.	LD Texture	302 105	22.5	143.0	3217.5	179,302.5
289	4/27/2012	A.M.	40 Mil.	LD Texture	302 105	22.5	493.0	11092.5	190,395.0
290	4/27/2012	A.M.	40 Mil.	LD Texture	302 105	22.5	56.0	1260.0	191,655.0
291	4/27/2012	A.M.	40 Mil.	LD Texture	301 768	22.5	438.0	9855.0	201,510.0
292	4/27/2012	A.M.	40 Mil.	LD Texture	301 768	22.5	259.0	5827.5	207,337.5
293	4/27/2012	A.M.	40 Mil.	LD Texture	302 102	22.5	235.0	5287.5	212,625.0
294	4/27/2012	A.M.	40 Mil.	LD Texture	302 102	22.5	463.0	10417.5	223,042.5
295	4/27/2012	A.M.	40 Mil.	LD Texture	301 545	22.5	30.0	675.0	223,717.5
296	4/27/2012	A.M.	40 Mil.	LD Texture	301 545	22.5	492.0	11070.0	234,787.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 9

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
297	4/27/2012	A.M.	40 Mil.	LD Texture	301 545	22.5	174.0	3915.0	3,915.0
298	4/27/2012	A.M.	40 Mil.	LD Texture	302 103	22.5	318.0	7155.0	11,070.0
299	4/27/2012	A.M.	40 Mil.	LD Texture	302 103	22.5	381.0	8572.5	19,642.5
300	4/27/2012	A.M.	40 Mil.	LD Texture	301 658	22.5	111.0	2497.5	22,140.0
301	4/27/2012	A.M.	40 Mil.	LD Texture	301 658	22.5	492.0	11070.0	33,210.0
1	6/15/2012	A.M.	60 Mil.	TPO	4012140 0502	9.5	107.0	1016.5	34,226.5
2	6/15/2012	A.M.	60 Mil.	TPO	4012140 0502	9.5	62.0	589.0	34,815.5
3	6/15/2012	A.M.	60 Mil.	TPO	4012140 0501	9.5	47.0	446.5	35,262.0
4	6/15/2012	A.M.	60 Mil.	TPO	4012140 0501	9.5	110.0	1045.0	36,307.0
5	6/15/2012	A.M.	60 Mil.	TPO	4012140 0907	9.5	119.0	1130.5	37,437.5
6	6/15/2012	A.M.	60 Mil.	TPO	4012140 0907	9.5	53.0	503.5	37,941.0
7	6/15/2012	A.M.	60 Mil.	TPO	4012140 0507	9.5	67.0	636.5	38,577.5
8	6/15/2012	A.M.	60 Mil.	TPO	4012140 0507	9.5	116.0	1102.0	39,679.5
9	6/15/2012	A.M.	60 Mil.	TPO	4012139 2511	9.5	4.0	38.0	39,717.5
10	6/15/2012	P.M.	60 Mil.	TPO	4012139 2511	9.5	127.0	1206.5	40,924.0
11	6/15/2012	P.M.	60 Mil.	TPO	4012139 2511	9.5	35.0	332.5	41,256.5
12	6/15/2012	P.M.	60 Mil.	TPO	4012140 0509	9.5	93.0	883.5	42,140.0
13	6/15/2012	P.M.	60 Mil.	TPO	4012140 0509	9.5	93.0	883.5	43,023.5
14	6/15/2012	P.M.	60 Mil.	TPO	4012140 0510	9.5	35.0	332.5	43,356.0
15	6/15/2012	P.M.	60 Mil.	TPO	4012140 0510	9.5	132.0	1254.0	44,610.0
16	6/15/2012	P.M.	60 Mil.	TPO	4012140 0406	9.5	132.0	1254.0	45,864.0
17	6/15/2012	P.M.	60 Mil.	TPO	4012140 0406	9.5	46.0	437.0	46,301.0
18	6/15/2012	P.M.	60 Mil.	TPO	4012140 0508	9.5	86.0	817.0	47,118.0
19	6/18/2012	A.M.	60 Mil.	TPO	4012140 0410	9.5	129.0	1225.5	48,343.5
20	6/18/2012	A.M.	60 Mil.	TPO	4012140 0410	9.5	52.0	494.0	48,837.5
21	6/18/2012	A.M.	60 Mil.	TPO	4012140 0503	9.5	78.0	741.0	49,578.5
22	6/18/2012	A.M.	60 Mil.	TPO	4012140 0503	9.5	107.0	1016.5	50,595.0
23	6/18/2012	A.M.	60 Mil.	TPO	4012140 0609	9.5	22.0	209.0	50,804.0
24	6/18/2012	A.M.	60 Mil.	TPO	4012140 0609	9.5	127.0	1206.5	52,010.5
25	6/18/2012	A.M.	60 Mil.	TPO	4012140 0609	9.5	21.0	199.5	52,210.0
26	6/18/2012	A.M.	60 Mil.	TPO	4012140 0601	9.5	106.0	1007.0	53,217.0
27	6/18/2012	P.M.	60 Mil.	TPO	4012140 0601	9.5	79.0	750.5	53,967.5
28	6/18/2012	P.M.	60 Mil.	TPO	4012140 0602	9.5	47.0	446.5	54,414.0
29	6/19/2012	A.M.	60 Mil.	TPO	4012140 0602	9.5	113.0	1073.5	55,487.5
30	6/19/2012	A.M.	60 Mil.	TPO	4012140 0608	9.5	114.0	1083.0	56,570.5
31	6/19/2012	A.M.	60 Mil.	TPO	4012140 0608	9.5	65.0	617.5	57,188.0
32	6/19/2012	A.M.	60 Mil.	TPO	4012140 0611	9.5	53.0	503.5	57,691.5
33	6/19/2012	A.M.	60 Mil.	TPO	4012140 0611	9.5	123.0	1168.5	58,860.0
34	6/19/2012	A.M.	60 Mil.	TPO	4012140 0701	9.5	124.0	1178.0	60,038.0
35	6/19/2012	A.M.	60 Mil.	TPO	4012140 0701	9.5	56.0	532.0	60,570.0
36	6/19/2012	A.M.	60 Mil.	TPO	4012140 0610	9.5	70.0	665.0	61,235.0
37	6/19/2012	A.M.	60 Mil.	TPO	4012140 0610	9.5	117.0	1111.5	62,346.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 10

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
38	6/19/2012	A.M.	60 Mil.	TPO	4012140 0511	9.5	14.0	133.0	133.0
39	6/19/2012	P.M.	60 Mil.	TPO	4012140 0511	9.5	131.0	1244.5	1,377.5
40	6/19/2012	P.M.	60 Mil.	TPO	4012140 0511	9.5	26.0	247.0	1,624.5
41	6/19/2012	P.M.	60 Mil.	TPO	4012140 0505	9.5	106.0	1007.0	2,631.5
42	6/19/2012	P.M.	60 Mil.	TPO	4012140 0505	9.5	68.0	646.0	3,277.5
43	6/19/2012	P.M.	60 Mil.	TPO	4012140 0504	9.5	63.0	598.5	3,876.0
44	6/19/2012	P.M.	60 Mil.	TPO	4012140 0504	9.5	124.0	1178.0	5,054.0
45	6/19/2012	P.M.	60 Mil.	TPO	4012140 0711	9.5	6.0	57.0	5,111.0
46	6/19/2012	P.M.	60 Mil.	TPO	4012140 0711	9.5	129.0	1225.5	6,336.5
47	6/20/2012	A.M.	60 Mil.	TPO	4012140 0711	9.5	34.0	323.0	6,659.5
48	6/20/2012	A.M.	60 Mil.	TPO	4012140 0501	9.5	94.0	893.0	7,552.5
49	6/20/2012	A.M.	60 Mil.	TPO	4012140 0501	9.5	93.0	883.5	8,436.0
50	6/20/2012	A.M.	60 Mil.	TPO	4012140 0902	9.5	34.0	323.0	8,759.0
51	6/20/2012	A.M.	60 Mil.	TPO	4012140 0902	9.5	126.0	1197.0	9,956.0
52	7/3/2012	A.M.	60 Mil.	TPO	4012140 0605	9.5	119.0	1130.5	11,086.5
53	7/3/2012	A.M.	60 Mil.	TPO	4012140 0705	9.5	119.0	1130.5	12,217.0
54	7/3/2012	A.M.	60 Mil.	TPO	4012140 0801	9.5	118.0	1121.0	13,338.0
55	7/3/2012	A.M.	60 Mil.	TPO	4012140 0801	9.5	57.0	541.5	13,879.5
56	7/3/2012	A.M.	60 Mil.	TPO	4012140 0706	9.5	61.0	579.5	14,459.0
57	7/3/2012	A.M.	60 Mil.	TPO	4012140 0706	9.5	116.0	1102.0	15,561.0
58	7/3/2012	A.M.	60 Mil.	TPO	4012140 0802	9.5	5.0	47.5	15,608.5
59	7/3/2012	A.M.	60 Mil.	TPO	4012140 0802	9.5	121.0	1149.5	16,758.0
60	7/3/2012	A.M.	60 Mil.	TPO	4012140 0802	9.5	35.0	332.5	17,090.5
61	7/3/2012	A.M.	60 Mil.	TPO	4012140 0604	9.5	89.0	845.5	17,936.0
62	7/3/2012	A.M.	60 Mil.	TPO	4012140 0604	9.5	93.0	883.5	18,819.5
63	7/3/2012	A.M.	60 Mil.	TPO	4012140 0705	9.5	31.0	294.5	19,114.0
64	7/3/2012	P.M.	60 Mil.	TPO	4012140 0705	9.5	12.0	114.0	19,228.0
65	7/3/2012	P.M.	60 Mil.	TPO	4012140 0603	9.5	109.0	1035.5	20,263.5
66	7/3/2012	P.M.	60 Mil.	TPO	4012140 0603	9.5	72.0	684.0	20,947.5
67	7/3/2012	P.M.	60 Mil.	TPO	4012140 0708	9.5	52.0	494.0	21,441.5
68	7/4/2012	A.M.	60 Mil.	TPO	4012140 0708	9.5	119.0	1130.5	22,572.0
69	7/4/2012	A.M.	60 Mil.	TPO	4012140 0606	9.5	119.0	1130.5	23,702.5
70	7/4/2012	A.M.	60 Mil.	TPO	4012140 0606	9.5	55.0	522.5	24,225.0
71	7/4/2012	A.M.	60 Mil.	TPO	4012140 0803	9.5	60.0	570.0	24,795.0
72	7/4/2012	A.M.	60 Mil.	TPO	4012140 0803	9.5	115.0	1092.5	25,887.5
73	7/4/2012	A.M.	60 Mil.	TPO	4012140 0806	9.5	99.0	940.5	26,828.0
74	7/4/2012	A.M.	60 Mil.	TPO	4012140 0806	9.5	72.0	684.0	27,512.0
75	7/4/2012	A.M.	60 Mil.	TPO	4012140 0811	9.5	27.0	256.5	27,768.5
76	7/4/2012	A.M.	60 Mil.	TPO	4012140 0811	9.5	83.0	788.5	28,557.0
77	7/4/2012	A.M.	60 Mil.	TPO	4012140 0811	9.5	53.0	503.5	29,060.5
78	7/4/2012	A.M.	60 Mil.	TPO	4012139 0511	9.5	30.0	285.0	29,345.5
79	7/4/2012	A.M.	60 Mil.	TPO	4012139 0511	9.5	123.0	1168.5	30,514.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 11

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
80	7/4/2012	A.M.	60 Mil.	TPO	4012140 0411	9.5	122.0	1159.0	1,159.0
81	7/4/2012	A.M.	60 Mil.	TPO	4012140 0411	9.5	53.0	503.5	1,662.5
82	7/4/2012	A.M.	60 Mil.	TPO	4012140 0210	9.5	69.0	655.5	2,318.0
83	7/4/2012	A.M.	60 Mil.	TPO	4012140 0210	9.5	114.0	1083.0	3,401.0
84	7/4/2012	A.M.	60 Mil.	TPO	4012140 0501	9.5	5.0	47.5	3,448.5
85	7/4/2012	P.M.	60 Mil.	TPO	4012140 0804	9.5	117.0	1111.5	4,560.0
86	7/4/2012	P.M.	60 Mil.	TPO	4012140 0804	9.5	59.0	560.5	5,120.5
87	7/4/2012	P.M.	60 Mil.	TPO	4012140 0805	9.5	57.0	541.5	5,662.0
88	7/4/2012	P.M.	60 Mil.	TPO	4012140 0805	9.5	115.0	1092.5	6,754.5
89	7/5/2012	A.M.	60 Mil.	TPO	4012140 0607	9.5	60.0	570.0	7,324.5
90	7/5/2012	A.M.	60 Mil.	TPO	4012140 0607	9.5	60.0	570.0	7,894.5
91	7/5/2012	A.M.	60 Mil.	TPO	4012140 0607	9.5	38.0	361.0	8,255.5
92	7/5/2012	A.M.	60 Mil.	TPO	4012140 0305	9.5	14.0	133.0	8,388.5
93	7/5/2012	A.M.	60 Mil.	TPO	4012140 0305	9.5	52.0	494.0	8,882.5
94	7/5/2012	A.M.	60 Mil.	TPO	4012140 0305	9.5	54.0	513.0	9,395.5
95	7/5/2012	A.M.	60 Mil.	TPO	4012140 0305	9.5	33.0	313.5	9,709.0
96	7/5/2012	A.M.	60 Mil.	TPO	4012140 0206	9.5	21.0	199.5	9,908.5
97	7/5/2012	A.M.	60 Mil.	TPO	4012140 0206	9.5	52.0	494.0	10,402.5
98	7/5/2012	A.M.	60 Mil.	TPO	4012140 0206	9.5	52.0	494.0	10,896.5
99	7/5/2012	A.M.	60 Mil.	TPO	4012140 0308	9.5	118.0	1121.0	12,017.5
100	7/5/2012	A.M.	60 Mil.	TPO	4012140 0308	9.5	54.0	513.0	12,530.5
101	7/5/2012	A.M.	60 Mil.	TPO	4012139 2709	9.5	64.0	608.0	13,138.5
102	7/5/2012	A.M.	60 Mil.	TPO	4012139 2709	9.5	117.0	1111.5	14,250.0
103	7/5/2012	A.M.	60 Mil.	TPO	4012140 0206	9.5	2.0	19.0	14,269.0
104	7/5/2012	A.M.	60 Mil.	TPO	4012140 0709	9.5	117.0	1111.5	15,380.5
105	7/5/2012	P.M.	60 Mil.	TPO	4012140 0709	9.5	54.0	513.0	15,893.5
106	7/5/2012	P.M.	60 Mil.	TPO	4012140 0407	9.5	68.0	646.0	16,539.5
107	7/5/2012	P.M.	60 Mil.	TPO	4012140 0407	9.5	118.0	1121.0	17,660.5
108	7/5/2012	P.M.	60 Mil.	TPO	4012140 0707	9.5	4.0	38.0	17,698.5
109	7/5/2012	P.M.	60 Mil.	TPO	4012140 0707	9.5	121.0	1149.5	18,848.0
110	7/5/2012	P.M.	60 Mil.	TPO	4012140 0707	9.5	21.0	199.5	19,047.5
111	7/5/2012	P.M.	60 Mil.	TPO	4012140 0102	9.5	103.0	978.5	20,026.0
112	7/5/2012	P.M.	60 Mil.	TPO	4012140 0102	9.5	84.0	798.0	20,824.0
113	7/5/2012	P.M.	60 Mil.	TPO	4012140 0111	9.5	40.0	380.0	21,204.0
114	7/5/2012	P.M.	60 Mil.	TPO	4012140 0111	9.5	123.0	1168.5	22,372.5
115	7/6/2012	A.M.	60 Mil.	TPO	4012140 0306	9.5	71.0	674.5	23,047.0
116	7/6/2012	A.M.	60 Mil.	TPO	4012140 0306	9.5	71.0	674.5	23,721.5
117	7/6/2012	A.M.	60 Mil.	TPO	4012140 0306	9.5	20.0	190.0	23,911.5
118	7/6/2012	A.M.	60 Mil.	TPO	4012140 0203	9.5	100.0	950.0	24,861.5
119	7/6/2012	A.M.	60 Mil.	TPO	4012140 0203	9.5	84.0	798.0	25,659.5
120	7/6/2012	A.M.	60 Mil.	TPO	4012139 0610	9.5	35.0	332.5	25,992.0
121	7/6/2012	A.M.	60 Mil.	TPO	4012139 0610	9.5	118.0	1121.0	27,113.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 12

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
122	7/6/2012	A.M.	60 Mil.	TPO	4012139 0610	9.5	16.0	152.0	152.0
123	7/6/2012	A.M.	60 Mil.	TPO	4012140 0202	9.5	102.0	969.0	1,121.0
124	7/6/2012	A.M.	60 Mil.	TPO	4012140 0202	9.5	84.0	798.0	1,919.0
125	7/6/2012	A.M.	60 Mil.	TPO	4012140 0704	9.5	28.0	266.0	2,185.0
126	7/6/2012	A.M.	60 Mil.	TPO	4012140 0704	9.5	111.0	1054.5	3,239.5
127	7/6/2012	P.M.	60 Mil.	TPO	4012140 0307	9.5	77.0	731.5	3,971.0
128	7/6/2012	P.M.	60 Mil.	TPO	4012140 0307	9.5	78.0	741.0	4,712.0
129	7/6/2012	P.M.	60 Mil.	TPO	4012140 0107	9.5	24.0	228.0	4,940.0
130	7/6/2012	P.M.	60 Mil.	TPO	4012140 0107	9.5	29.0	275.5	5,215.5
131	7/6/2012	P.M.	60 Mil.	TPO	4012140 0107	9.5	50.0	475.0	5,690.5
132	7/6/2012	P.M.	60 Mil.	TPO	4012140 0101	9.5	50.0	475.0	6,165.5
133	7/6/2012	P.M.	60 Mil.	TPO	4012140 0101	9.5	44.0	418.0	6,583.5
134	7/6/2012	P.M.	60 Mil.	TPO	4012140 0101	9.5	44.0	418.0	7,001.5
135	7/6/2012	P.M.	60 Mil.	TPO	4012139 2708	9.5	29.0	275.5	7,277.0
136	7/6/2012	P.M.	60 Mil.	TPO	4012139 2708	9.5	29.0	275.5	7,552.5
137	7/6/2012	P.M.	60 Mil.	TPO	4012140 0705	9.5	15.0	142.5	7,695.0
138	7/6/2012	P.M.	60 Mil.	TPO	4012140 0101	9.5	15.0	142.5	7,837.5
139	7/7/2012	A.M.	60 Mil.	TPO	4012140 0704	9.5	28.0	266.0	8,103.5
140	7/7/2012	A.M.	60 Mil.	TPO	4012139 2708	9.5	81.0	769.5	8,873.0
141*	7/7/2012	A.M.	60 Mil.	TPO	4012140 0402				8,873.0
142	7/7/2012	A.M.	60 Mil.	TPO	4012140 0402	9.5	108.0	1026.0	9,899.0
143	7/7/2012	P.M.	60 Mil.	TPO	4012140 0402	9.5	61.0	579.5	10,478.5
144	7/7/2012	P.M.	60 Mil.	TPO	4012139 2706	9.5	39.0	370.5	10,849.0
145	7/7/2012	P.M.	60 Mil.	TPO	4012139 2706	9.5	96.0	912.0	11,761.0
146	7/7/2012	P.M.	60 Mil.	TPO	4012139 2706	9.5	34.0	323.0	12,084.0
147	7/7/2012	P.M.	60 Mil.	TPO	4012140 0108	9.5	58.0	551.0	12,635.0
148	7/7/2012	P.M.	60 Mil.	TPO	4012140 0108	9.5	92.0	874.0	13,509.0
149	7/7/2012	P.M.	60 Mil.	TPO	4012140 0108	9.5	26.0	247.0	13,756.0
150	7/7/2012	P.M.	60 Mil.	TPO	4012140 0211	9.5	56.0	532.0	14,288.0
151	7/7/2012	P.M.	60 Mil.	TPO	4012140 0211	9.5	79.0	750.5	15,038.5
152	7/7/2012	P.M.	60 Mil.	TPO	4012140 0211	9.5	30.0	285.0	15,323.5
153	7/7/2012	P.M.	60 Mil.	TPO	4012140 0110	9.5	46.0	437.0	15,760.5
154	7/7/2012	P.M.	60 Mil.	TPO	4012140 0110	9.5	74.0	703.0	16,463.5
155	7/7/2012	P.M.	60 Mil.	TPO	4012140 0110	9.5	52.0	494.0	16,957.5
156	7/7/2012	P.M.	60 Mil.	TPO	4012139 2609	9.5	16.0	152.0	17,109.5
157	7/9/2012	A.M.	60 Mil.	TPO	4012139 2605	9.5	80.0	760.0	17,869.5
158	7/9/2012	A.M.	60 Mil.	TPO	4012139 2605	9.5	87.0	826.5	18,696.0
159	7/9/2012	A.M.	60 Mil.	TPO	4012140 0105	9.5	1.0	9.5	18,705.5
160	7/9/2012	A.M.	60 Mil.	TPO	4012140 0105	9.5	95.0	902.5	19,608.0
161	7/9/2012	A.M.	60 Mil.	TPO	4012140 0105	9.5	64.0	608.0	20,216.0
162	7/9/2012	A.M.	60 Mil.	TPO	4012140 0405	9.5	35.0	332.5	20,548.5
163	7/9/2012	A.M.	60 Mil.	TPO	4012140 0405	9.5	36.0	342.0	20,890.5

*=In anchor trench

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 13

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
164	7/9/2012	A.M.	60 Mil.	TPO	4012140 0405	9.5	44.0	418.0	418.0
165	7/9/2012	A.M.	60 Mil.	TPO	4012139 2611	9.5	52.0	494.0	912.0
166	7/9/2012	A.M.	60 Mil.	TPO	4012139 2611	9.5	60.0	570.0	1,482.0
167	7/9/2012	A.M.	60 Mil.	TPO	4012139 2611	9.5	19.0	180.5	1,662.5
168	7/9/2012	A.M.	60 Mil.	TPO	4012139 2607	9.5	12.0	114.0	1,776.5
169	7/9/2012	A.M.	60 Mil.	TPO	4012139 2607	9.5	5.0	47.5	1,824.0
170	7/9/2012	A.M.	60 Mil.	TPO	4012139 2607	1.0	1.0	1.0	1,825.0
171	7/9/2012	P.M.	60 Mil.	TPO	4012139 2607	4.0	108.0	432.0	2,257.0
172	7/9/2012	P.M.	60 Mil.	TPO	4012139 2607	3.0	53.0	159.0	2,416.0
173	7/9/2012	P.M.	60 Mil.	TPO	4012139 2607	3.0	47.0	141.0	2,557.0
174	7/9/2012	P.M.	60 Mil.	TPO	4012139 2607	3.0	21.0	63.0	2,620.0
175	7/9/2012	P.M.	60 Mil.	TPO	4012139 2607	5.0	13.0	65.0	2,685.0
176	7/9/2012	P.M.	60 Mil.	TPO	4012139 2607	5.0	49.0	245.0	2,930.0
177	7/10/2012	A.M.	60 Mil.	TPO	4012139 2609	9.5	60.0	570.0	3,500.0
178	7/10/2012	P.M.	60 Mil.	TPO	4012140 0104	9.5	64.0	608.0	4,108.0
179	7/10/2012	P.M.	60 Mil.	TPO	4012140 0104	9.5	62.0	589.0	4,697.0
180	7/12/2012	P.M.	60 Mil.	TPO	4012140 0103	9.5	53.0	503.5	5,200.5
181	7/12/2012	P.M.	60 Mil.	TPO	4012140 0103	9.5	53.0	503.5	5,704.0
182	7/12/2012	P.M.	60 Mil.	TPO	4012140 0109	9.5	53.0	503.5	6,207.5
183	7/12/2012	P.M.	60 Mil.	TPO	4012140 0109	9.5	53.0	503.5	6,711.0
184	7/12/2012	P.M.	60 Mil.	TPO	4012140 0207	9.5	56.0	532.0	7,243.0
185	7/12/2012	P.M.	60 Mil.	TPO	4012140 0207	9.5	53.0	503.5	7,746.5
186	7/12/2012	P.M.	60 Mil.	TPO	4012140 0207	9.5	50.0	475.0	8,221.5
187	7/12/2012	P.M.	60 Mil.	TPO	4012139 2604	9.5	5.0	47.5	8,269.0
188	7/12/2012	P.M.	60 Mil.	TPO	4012139 2604	9.5	53.0	503.5	8,772.5
189	7/12/2012	P.M.	60 Mil.	TPO	4012139 2604	9.5	53.0	503.5	9,276.0
190	7/12/2012	P.M.	60 Mil.	TPO	4012139 2604	9.5	45.0	427.5	9,703.5
191	7/12/2012	P.M.	60 Mil.	TPO	4012140 0404	9.5	9.0	85.5	9,789.0
192	7/12/2012	P.M.	60 Mil.	TPO	4012140 0404	9.5	53.0	503.5	10,292.5
193	7/12/2012	P.M.	60 Mil.	TPO	4012140 0404	9.5	52.0	494.0	10,786.5
194	7/12/2012	P.M.	60 Mil.	TPO	4012140 0109	9.5	52.0	494.0	11,280.5
195	7/12/2012	P.M.	60 Mil.	TPO	4012140 0404	9.5	45.0	427.5	11,708.0
196	7/12/2012	P.M.	60 Mil.	TPO	4012139 2701	9.5	6.0	57.0	11,765.0
197	7/12/2012	P.M.	60 Mil.	TPO	4012139 2701	9.5	50.0	475.0	12,240.0
198	7/12/2012	P.M.	60 Mil.	TPO	4012139 2701	9.5	50.0	475.0	12,715.0
199	7/13/2012	A.M.	60 Mil.	TPO	4012139 2701	9.5	49.0	465.5	13,180.5
200	7/13/2012	A.M.	60 Mil.	TPO	4012140 0401	9.5	49.0	465.5	13,646.0
201	7/13/2012	A.M.	60 Mil.	TPO	4012140 0401	9.5	48.0	456.0	14,102.0
202	7/13/2012	A.M.	60 Mil.	TPO	4012140 0401	9.5	47.0	446.5	14,548.5
203	7/13/2012	A.M.	60 Mil.	TPO	4012140 0201	9.5	40.0	380.0	14,928.5
204	7/13/2012	A.M.	60 Mil.	TPO	4012140 0201	9.5	37.0	351.5	15,280.0
205	7/13/2012	A.M.	60 Mil.	TPO	4012140 0201	9.5	33.0	313.5	15,593.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 14

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
206	7/13/2012	A.M.	60 Mil.	TPO	4012140 0201	9.5	31.0	294.5	294.5
207	7/13/2012	A.M.	60 Mil.	TPO	4012139 2608	9.5	25.0	237.5	532.0
208	7/13/2012	A.M.	60 Mil.	TPO	4012139 2608	9.5	22.0	209.0	741.0
209	7/13/2012	A.M.	60 Mil.	TPO	4012139 2608	9.5	19.0	180.5	921.5
210	7/13/2012	A.M.	60 Mil.	TPO	4012139 2608	9.5	17.0	161.5	1,083.0
211	7/13/2012	A.M.	60 Mil.	TPO	4012139 2608	9.5	10.0	95.0	1,178.0
212	7/13/2012	A.M.	60 Mil.	TPO	4012139 2608	9.5	6.0	57.0	1,235.0
213	7/13/2012	A.M.	60 Mil.	TPO	4012139 2608	9.5	3.0	28.5	1,263.5
214	7/20/2012	P.M.	60 Mil.	TPO	4012140 0403	9.5	139.0	1320.5	2,584.0
215	7/20/2012	P.M.	60 Mil.	TPO	4012139 2610	9.5	139.0	1320.5	3,904.5
216	7/20/2012	P.M.	60 Mil.	TPO	4012139 2610	9.5	29.0	275.5	4,180.0
217	7/20/2012	P.M.	60 Mil.	TPO	4012140 0311	9.5	110.0	1045.0	5,225.0
218	7/21/2012	A.M.	60 Mil.	TPO	4012139 1903	9.5	142.0	1349.0	6,574.0
219	7/21/2012	A.M.	60 Mil.	TPO	4012139 1908	9.5	142.0	1349.0	7,923.0
220	7/21/2012	A.M.	60 Mil.	TPO	4012139 1908	9.5	25.0	237.5	8,160.5
221	7/21/2012	A.M.	60 Mil.	TPO	4012139 1904	9.5	117.0	1111.5	9,272.0
222	7/21/2012	A.M.	60 Mil.	TPO	4012139 1002	9.5	144.0	1368.0	10,640.0
223	7/21/2012	A.M.	60 Mil.	TPO	4012139 0910	9.5	144.0	1368.0	12,008.0
224	7/21/2012	A.M.	60 Mil.	TPO	4012139 0910	9.5	22.0	209.0	12,217.0
225	7/21/2012	A.M.	60 Mil.	TPO	4012139 1003	9.5	122.0	1159.0	13,376.0
226	7/21/2012	P.M.	60 Mil.	TPO	4012139 1805	9.5	143.0	1358.5	14,734.5
227	7/21/2012	P.M.	60 Mil.	TPO	4012139 1804	9.5	143.0	1358.5	16,093.0
228	7/21/2012	P.M.	60 Mil.	TPO	4012139 1804	9.5	26.0	247.0	16,340.0
229	7/21/2012	P.M.	60 Mil.	TPO	4012140 0311	9.5	77.0	731.5	17,071.5
230	7/21/2012	P.M.	60 Mil.	TPO	4012139 1904	9.5	41.0	389.5	17,461.0
231	7/21/2012	P.M.	60 Mil.	TPO	4012139 1909	9.5	140.0	1330.0	18,791.0
232	7/21/2012	P.M.	60 Mil.	TPO	4012139 1901	9.5	140.0	1330.0	20,121.0
233	7/22/2012	A.M.	60 Mil.	TPO	4012139 1809	9.5	141.0	1339.5	21,460.5
234	7/22/2012	A.M.	60 Mil.	TPO	4012139 1809	9.5	25.0	237.5	21,698.0
235	7/22/2012	A.M.	60 Mil.	TPO	4012139 1902	9.5	116.0	1102.0	22,800.0
236	7/22/2012	A.M.	60 Mil.	TPO	4012139 1902	9.5	63.0	598.5	23,398.5
237	7/22/2012	A.M.	60 Mil.	TPO	4012139 1811	9.5	79.0	750.5	24,149.0
238	7/22/2012	P.M.	60 Mil.	TPO	4012139 1811	9.5	100.0	950.0	25,099.0
239	7/22/2012	P.M.	60 Mil.	TPO	4012139 1003	9.5	43.0	408.5	25,507.5
240	7/22/2012	P.M.	60 Mil.	TPO	4012140 0408	9.5	143.0	1358.5	26,866.0
241	7/22/2012	P.M.	60 Mil.	TPO	4012140 0408	9.5	28.0	266.0	27,132.0
242	7/22/2012	P.M.	60 Mil.	TPO	4012140 0309	9.5	116.0	1102.0	28,234.0
243	7/23/2012	A.M.	60 Mil.	TPO	4012140 0309	9.5	61.0	579.5	28,813.5
244	7/23/2012	P.M.	60 Mil.	TPO	4012139 2703	9.5	83.0	788.5	29,602.0
245	7/23/2012	P.M.	60 Mil.	TPO	4012139 2703	9.5	100.0	950.0	30,552.0
246	7/23/2012	P.M.	60 Mil.	TPO	4012139 2606	9.5	48.0	456.0	31,008.0
247	7/23/2012	P.M.	60 Mil.	TPO	4012139 2606	9.5	140.0	1330.0	32,338.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 15

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
248	7/23/2012	P.M.	60 Mil.	TPO	4012139 1002	9.5	7.0	66.5	66.5
249	7/24/2012	P.M.	60 Mil.	TPO	4012140 0106	9.5	141.0	1339.5	1,406.0
250	7/25/2012	P.M.	60 Mil.	TPO	4012139 0809	9.5	145.0	1377.5	2,783.5
251	7/25/2012	P.M.	60 Mil.	TPO	4012139 0809	9.5	32.0	304.0	3,087.5
252	7/25/2012	P.M.	60 Mil.	TPO	4012139 0906	9.5	113.0	1073.5	4,161.0
253	7/25/2012	P.M.	60 Mil.	TPO	4012139 0906	9.5	74.0	703.0	4,864.0
254	7/25/2012	P.M.	60 Mil.	TPO	4012139 2704	9.5	70.0	665.0	5,529.0
302	7/26/2012	A.M.	40 Mil.	LD Texture	304 535	22.5	307.0	6907.5	12,436.5
303	7/26/2012	A.M.	40 Mil.	LD Texture	304 535	22.5	288.0	6480.0	18,916.5
304	7/26/2012	A.M.	40 Mil.	LD Texture	207 520	22.5	258.0	5805.0	24,721.5
305	7/26/2012	A.M.	40 Mil.	LD Texture	207 520	22.5	233.0	5242.5	29,964.0
306	7/26/2012	A.M.	40 Mil.	LD Texture	207 515	22.5	162.0	3645.0	33,609.0
307	7/26/2012	A.M.	40 Mil.	LD Texture	207 515	22.5	182.0	4095.0	37,704.0
308	7/26/2012	A.M.	40 Mil.	LD Texture	207 515	22.5	45.0	1012.5	38,716.5
309	7/26/2012	A.M.	40 Mil.	LD Texture	207 515	22.5	158.0	3555.0	42,271.5
310	7/26/2012	A.M.	40 Mil.	LD Texture	207 520	22.5	136.0	3060.0	45,331.5
311	7/26/2012	P.M.	40 Mil.	LD Texture	301 546	22.5	112.0	2520.0	47,851.5
312	7/26/2012	P.M.	40 Mil.	LD Texture	301 546	22.5	85.0	1912.5	49,764.0
313	7/26/2012	P.M.	40 Mil.	LD Texture	301 546	22.5	58.0	1305.0	51,069.0
314	7/26/2012	P.M.	40 Mil.	LD Texture	301 546	22.5	35.0	787.5	51,856.5
315	7/26/2012	P.M.	40 Mil.	LD Texture	301 546	22.5	18.0	405.0	52,261.5
316	7/27/2012	A.M.	40 Mil.	LD Texture	301 546	15.0	326.0	4890.0	57,151.5
317	7/27/2012	A.M.	40 Mil.	LD Texture	301 546	14.0	232.0	3248.0	60,399.5
318	7/27/2012	A.M.	40 Mil.	LD Texture	301 546	8.0	84.0	672.0	61,071.5
319	7/27/2012	A.M.	40 Mil.	LD Texture	301 546	5.0	11.0	55.0	61,126.5
320	7/27/2012	P.M.	40 Mil.	LD Texture	207 412	13.0	344.0	4472.0	65,598.5
321	7/27/2012	P.M.	40 Mil.	LD Texture	207 412	8.0	71.0	568.0	66,166.5
322	7/27/2012	P.M.	40 Mil.	LD Texture	207 412	8.0	42.0	336.0	66,502.5
255	7/27/2012	P.M.	60 Mil.	TPO	4012139 0905	9.5	146.0	1387.0	67,889.5
256	7/27/2012	P.M.	60 Mil.	TPO	4012139 1004	9.5	146.0	1387.0	69,276.5
257	7/27/2012	P.M.	60 Mil.	TPO	4012139 1004	9.5	30.0	285.0	69,561.5
258	7/27/2012	P.M.	60 Mil.	TPO	4012139 0801	9.5	116.0	1102.0	70,663.5
259	7/27/2012	P.M.	60 Mil.	TPO	4012139 0801	9.5	62.0	589.0	71,252.5
260	7/27/2012	P.M.	60 Mil.	TPO	4012139 2704	9.5	83.0	788.5	72,041.0
261	7/27/2012	P.M.	60 Mil.	TPO	4012139 0907	9.5	145.0	1377.5	73,418.5
262	7/27/2012	P.M.	60 Mil.	TPO	4012139 0907	9.5	27.0	256.5	73,675.0
263	7/27/2012	P.M.	60 Mil.	TPO	4012139 0911	9.5	117.0	1111.5	74,786.5
264	7/28/2012	A.M.	60 Mil.	TPO	4012139 0908	9.5	138.0	1311.0	76,097.5
265	7/28/2012	A.M.	60 Mil.	TPO	4012139 0806	9.5	138.0	1311.0	77,408.5
266	7/28/2012	A.M.	60 Mil.	TPO	4012139 0806	9.5	32.0	304.0	77,712.5
267	7/28/2012	A.M.	60 Mil.	TPO	4012139 0802	9.5	107.0	1016.5	78,729.0
268	7/28/2012	A.M.	60 Mil.	TPO	4012139 0503	9.5	138.0	1311.0	80,040.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 16

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
269	7/28/2012	A.M.	60 Mil.	TPO	4012139 0909	9.5	138.0	1311.0	1,311.0
270	7/28/2012	A.M.	60 Mil.	TPO	4012139 0909	9.5	41.0	389.5	1,700.5
271	7/28/2012	P.M.	60 Mil.	TPO	4012139 0802	9.5	87.0	826.5	2,527.0
272	7/28/2012	P.M.	60 Mil.	TPO	4012139 0908	9.5	11.0	104.5	2,631.5
273	7/28/2012	P.M.	60 Mil.	TPO	4012139 0803	9.5	139.0	1320.5	3,952.0
274	7/28/2012	P.M.	60 Mil.	TPO	4012139 0807	9.5	139.0	1320.5	5,272.5
275	7/28/2012	P.M.	60 Mil.	TPO	4012139 0803	9.5	33.0	313.5	5,586.0
276	7/28/2012	P.M.	60 Mil.	TPO	4012139 0911	9.5	75.0	712.5	6,298.5
277	7/28/2012	P.M.	60 Mil.	TPO	4012139 0905	9.5	32.0	304.0	6,602.5
278	7/30/2012	A.M.	60 Mil.	TPO	4012139 0604	9.5	142.0	1349.0	7,951.5
279	7/30/2012	A.M.	60 Mil.	TPO	4012139 0603	9.5	142.0	1349.0	9,300.5
280	7/30/2012	A.M.	60 Mil.	TPO	4012139 0604	9.5	31.0	294.5	9,595.0
281	7/30/2012	A.M.	60 Mil.	TPO	4012139 0603	9.5	47.0	446.5	10,041.5
282	7/30/2012	A.M.	60 Mil.	TPO	4012139 0507	9.5	64.0	608.0	10,649.5
283	7/30/2012	A.M.	60 Mil.	TPO	4012139 0508	9.5	145.0	1377.5	12,027.0
284	7/30/2012	A.M.	60 Mil.	TPO	4012139 0901	9.5	145.0	1377.5	13,404.5
285	7/30/2012	A.M.	60 Mil.	TPO	4012139 0901	9.5	19.0	180.5	13,585.0
286	7/30/2012	A.M.	60 Mil.	TPO	4012139 0508	9.5	48.0	456.0	14,041.0
287	7/30/2012	A.M.	60 Mil.	TPO	4012139 0507	9.5	78.0	741.0	14,782.0
288	7/30/2012	A.M.	60 Mil.	TPO	4012139 0808	9.5	147.0	1396.5	16,178.5
289	7/30/2012	A.M.	60 Mil.	TPO	4012139 0902	9.5	147.0	1396.5	17,575.0
290	7/30/2012	A.M.	60 Mil.	TPO	4012139 0902	9.5	28.0	266.0	17,841.0
291	7/30/2012	A.M.	60 Mil.	TPO	4012139 0808	9.5	36.0	342.0	18,183.0
292	7/30/2012	A.M.	60 Mil.	TPO	4012139 0101	9.5	81.0	769.5	18,952.5
293	7/30/2012	A.M.	60 Mil.	TPO	4012139 0803	9.5	3.0	28.5	18,981.0
294	7/30/2012	P.M.	60 Mil.	TPO	4012139 0711	9.5	139.0	1320.5	20,301.5
295	7/30/2012	P.M.	60 Mil.	TPO	4012139 0711	9.5	30.0	285.0	20,586.5
296	7/30/2012	P.M.	60 Mil.	TPO	4012139 0101	9.5	109.0	1035.5	21,622.0
297	7/30/2012	P.M.	60 Mil.	TPO	4012139 0710	9.5	140.0	1330.0	22,952.0
298	7/30/2012	P.M.	60 Mil.	TPO	4012139 0710	9.5	34.0	323.0	23,275.0
299	7/30/2012	P.M.	60 Mil.	TPO	4012139 0904	9.5	103.0	978.5	24,253.5
300	7/30/2012	P.M.	60 Mil.	TPO	4012139 0904	9.5	83.0	788.5	25,042.0
301	7/30/2012	P.M.	60 Mil.	TPO	4012139 0903	9.5	55.0	522.5	25,564.5
302	7/30/2012	P.M.	60 Mil.	TPO	4012139 0903	9.5	127.0	1206.5	26,771.0
303	7/30/2012	P.M.	60 Mil.	TPO	4012139 2704	9.5	11.0	104.5	26,875.5
304	7/30/2012	P.M.	60 Mil.	TPO	4012139 0603	9.5	35.0	332.5	27,208.0
305	7/30/2012	P.M.	60 Mil.	TPO	4012139 0503	9.5	41.0	389.5	27,597.5
306	7/30/2012	P.M.	60 Mil.	TPO	4012139 1405	9.5	64.0	608.0	28,205.5
307	7/30/2012	P.M.	60 Mil.	TPO	4012139 1405	9.5	120.0	1140.0	29,345.5
308	7/30/2012	P.M.	60 Mil.	TPO	4012139 0509	9.5	19.0	180.5	29,526.0
309	7/30/2012	P.M.	60 Mil.	TPO	4012139 0509	9.5	139.0	1320.5	30,846.5
323	7/27/2012	P.M.	40 Mil.	LD Texture	207 412	5.0	37.0	185.0	31,031.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 17

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
324	7/31/2012	A.M.	40 Mil.	LD Texture	311 651	22.5	329.0	7402.5	7,402.5
325	7/31/2012	A.M.	40 Mil.	LD Texture	207 412	22.5	103.0	2317.5	9,720.0
326	7/31/2012	A.M.	40 Mil.	LD Texture	311 651	22.5	372.0	8370.0	18,090.0
327	7/31/2012	A.M.	40 Mil.	LD Texture	301 434	22.5	58.0	1305.0	19,395.0
328	7/31/2012	A.M.	40 Mil.	LD Texture	301 424	22.5	430.0	9675.0	29,070.0
329	7/31/2012	A.M.	40 Mil.	LD Texture	301 424	22.5	216.0	4860.0	33,930.0
330	7/31/2012	A.M.	40 Mil.	LD Texture	301 765	22.5	216.0	4860.0	38,790.0
331	7/31/2012	A.M.	40 Mil.	LD Texture	301 765	22.5	433.0	9742.5	48,532.5
332	7/31/2012	A.M.	40 Mil.	LD Texture	301 765	22.5	46.0	1035.0	49,567.5
333	7/31/2012	A.M.	40 Mil.	LD Texture	301 547	22.5	386.0	8685.0	58,252.5
334	7/31/2012	A.M.	40 Mil.	LD Texture	301 547	22.5	314.0	7065.0	65,317.5
335	7/31/2012	A.M.	40 Mil.	LD Texture	301 435	22.5	116.0	2610.0	67,927.5
336	7/31/2012	A.M.	40 Mil.	LD Texture	301 435	22.5	429.0	9652.5	77,580.0
337	7/31/2012	A.M.	40 Mil.	LD Texture	301 435	22.5	150.0	3375.0	80,955.0
338	7/31/2012	A.M.	40 Mil.	LD Texture	301 438	22.5	208.0	4680.0	85,635.0
339	7/31/2012	A.M.	40 Mil.	LD Texture	301 438	22.5	320.0	7200.0	92,835.0
340	7/31/2012	A.M.	40 Mil.	LD Texture	301 438	13.8	136.0	1876.8	94,711.8
341	7/31/2012	A.M.	40 Mil.	LD Texture	207 412	13.8	111.0	1531.8	96,243.6
342	7/31/2012	P.M.	40 Mil.	LD Texture	207 412	2.5	21.0	52.5	96,296.1
310	8/2/2012	A.M.	60 Mil.	TPO	4012139 0804	9.5	140.0	1330.0	97,626.1
311	8/2/2012	A.M.	60 Mil.	TPO	4012139 0804	9.5	36.0	342.0	97,968.1
312	8/2/2012	A.M.	60 Mil.	TPO	4012139 0706	9.5	104.0	988.0	98,956.1
313	8/2/2012	A.M.	60 Mil.	TPO	4012139 0706	9.5	82.0	779.0	99,735.1
314	8/2/2012	A.M.	60 Mil.	TPO	4012139 0504	9.5	62.0	589.0	100,324.1
315	8/2/2012	A.M.	60 Mil.	TPO	4012139 0504	9.5	122.0	1159.0	101,483.1
316	8/2/2012	A.M.	60 Mil.	TPO	4012139 0704	9.5	22.0	209.0	101,692.1
317	8/2/2012	A.M.	60 Mil.	TPO	4012139 0704	9.5	144.0	1368.0	103,060.1
318	8/2/2012	A.M.	60 Mil.	TPO	4012139 0510	9.5	147.0	1396.5	104,456.6
319	8/2/2012	A.M.	60 Mil.	TPO	4012139 0510	9.5	32.0	304.0	104,760.6
320	8/2/2012	A.M.	60 Mil.	TPO	4012139 0505	9.5	116.0	1102.0	105,862.6
321	8/2/2012	P.M.	60 Mil.	TPO	4012139 0505	9.5	70.0	665.0	106,527.6
322	8/2/2012	P.M.	60 Mil.	TPO	4012139 0709	9.5	77.0	731.5	107,259.1
323	8/2/2012	P.M.	60 Mil.	TPO	4012139 0705	9.5	147.0	1396.5	108,655.6
324	8/2/2012	P.M.	60 Mil.	TPO	4012139 0708	9.5	147.0	1396.5	110,052.1
325	8/2/2012	P.M.	60 Mil.	TPO	4012139 0708	9.5	30.0	285.0	110,337.1
326	8/2/2012	P.M.	60 Mil.	TPO	4012139 0705	9.5	38.0	361.0	110,698.1
327	8/2/2012	P.M.	60 Mil.	TPO	4012139 0709	9.5	79.0	750.5	111,448.6
328	8/3/2012	P.M.	60 Mil.	TPO	4012139 0608	9.5	144.0	1368.0	112,816.6
329	8/3/2012	P.M.	60 Mil.	TPO	4012139 0609	9.5	144.0	1368.0	114,184.6
330	8/3/2012	P.M.	60 Mil.	TPO	4012139 0609	9.5	24.0	228.0	114,412.6
331	8/3/2012	P.M.	60 Mil.	TPO	4012139 0707	9.5	104.0	988.0	115,400.6
332	8/3/2012	P.M.	60 Mil.	TPO	4012139 0608	9.5	13.0	123.5	115,524.1
343	7/31/2012	P.M.	40 Mil.	LD Texture	301 544	8.0	71.0	568.0	116,092.1

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 18

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
333	8/3/2012	P.M.	60 Mil.	TPO	4012139 0601	9.5	143.0	1358.5	1,358.5
334	8/3/2012	P.M.	60 Mil.	TPO	4012139 1407	9.5	143.0	1358.5	2,717.0
335	8/3/2012	P.M.	60 Mil.	TPO	4012139 0601	9.5	37.0	351.5	3,068.5
336	8/3/2012	P.M.	60 Mil.	TPO	4012139 1407	9.5	44.0	418.0	3,486.5
337	8/3/2012	P.M.	60 Mil.	TPO	4012139 0602	9.5	62.0	589.0	4,075.5
338	8/3/2012	P.M.	60 Mil.	TPO	4012139 0611	9.5	137.0	1301.5	5,377.0
339	8/3/2012	P.M.	60 Mil.	TPO	4012139 0605	9.5	137.0	1301.5	6,678.5
340	8/3/2012	P.M.	60 Mil.	TPO	4012139 0602	9.5	62.0	589.0	7,267.5
341	8/3/2012	P.M.	60 Mil.	TPO	4012139 0602	9.5	52.0	494.0	7,761.5
342	8/3/2012	P.M.	60 Mil.	TPO	4012139 0605	9.5	23.0	218.5	7,980.0
343	8/4/2012	A.M.	60 Mil.	TPO	4012139 2007	9.5	136.0	1292.0	9,272.0
344	8/4/2012	A.M.	60 Mil.	TPO	4012139 0701	9.5	136.0	1292.0	10,564.0
345	8/4/2012	A.M.	60 Mil.	TPO	4012139 0701	9.5	34.0	323.0	10,887.0
346	8/4/2012	A.M.	60 Mil.	TPO	4012139 2007	9.5	42.0	399.0	11,286.0
347	8/4/2012	A.M.	60 Mil.	TPO	4012139 0703	9.5	60.0	570.0	11,856.0
348	8/4/2012	A.M.	60 Mil.	TPO	4012139 0703	9.5	123.0	1168.5	13,024.5
349	8/4/2012	A.M.	60 Mil.	TPO	4012140 0106	9.5	24.0	228.0	13,252.5
350	8/4/2012	A.M.	60 Mil.	TPO	4012139 0606	9.5	145.0	1377.5	14,630.0
351	8/4/2012	A.M.	60 Mil.	TPO	4012139 0606	9.5	40.0	380.0	15,010.0
352	8/4/2012	A.M.	60 Mil.	TPO	4012139 0811	9.5	106.0	1007.0	16,017.0
353	8/4/2012	A.M.	60 Mil.	TPO	4012139 0811	9.5	76.0	722.0	16,739.0
354	8/4/2012	A.M.	60 Mil.	TPO	4012139 1309	9.5	70.0	665.0	17,404.0
355	8/4/2012	A.M.	60 Mil.	TPO	4012139 1309	9.5	114.0	1083.0	18,487.0
356	8/4/2012	A.M.	60 Mil.	TPO	4012139 1310	9.5	32.0	304.0	18,791.0
357	8/4/2012	A.M.	60 Mil.	TPO	4012139 1310	9.5	147.0	1396.5	20,187.5
358	8/4/2012	P.M.	60 Mil.	TPO	4012139 1103	9.5	143.0	1358.5	21,546.0
359	8/4/2012	P.M.	60 Mil.	TPO	4012139 1103	9.5	30.0	285.0	21,831.0
360	8/4/2012	P.M.	60 Mil.	TPO	4012139 0607	9.5	112.0	1064.0	22,895.0
361	8/4/2012	P.M.	60 Mil.	TPO	4012139 0607	9.5	71.0	674.5	23,569.5
362	8/4/2012	P.M.	60 Mil.	TPO	4012139 1404	9.5	73.0	693.5	24,263.0
363	8/4/2012	P.M.	60 Mil.	TPO	4012139 0507	9.5	40.0	380.0	24,643.0
364	8/4/2012	P.M.	60 Mil.	TPO	4012139 1404	9.5	103.0	978.5	25,621.5
365	8/4/2012	P.M.	60 Mil.	TPO	4012139 1401	9.5	142.0	1349.0	26,970.5
366	8/4/2012	P.M.	60 Mil.	TPO	4012139 1408	9.5	143.0	1358.5	28,329.0
367	8/6/2012	P.M.	60 Mil.	TPO	4012139 1408	9.5	35.0	332.5	28,661.5
368	8/6/2012	P.M.	60 Mil.	TPO	4012139 1311	9.5	105.0	997.5	29,659.0
369	8/6/2012	P.M.	60 Mil.	TPO	4012139 1311	9.5	75.0	712.5	30,371.5
370	8/6/2012	P.M.	60 Mil.	TPO	4012139 0502	9.5	65.0	617.5	30,989.0
371	8/6/2012	P.M.	60 Mil.	TPO	4012139 0502	9.5	117.0	1111.5	32,100.5
372	8/6/2012	P.M.	60 Mil.	TPO	4012139 0805	9.5	22.0	209.0	32,309.5
373	8/8/2012	A.M.	60 Mil.	TPO	4012139 0805	9.5	145.0	1377.5	33,687.0
374	8/8/2012	A.M.	60 Mil.	TPO	4012139 1409	9.5	145.0	1377.5	35,064.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 19

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
375	8/8/2012	A.M.	60 Mil.	TPO	4012139 1409	9.5	31.0	294.5	294.5
376	8/8/2012	A.M.	60 Mil.	TPO	4012139 1402	9.5	114.0	1083.0	1,377.5
377	8/8/2012	P.M.	60 Mil.	TPO	4012139 1905	9.5	137.0	1301.5	2,679.0
378	8/8/2012	P.M.	60 Mil.	TPO	4012139 1406	9.5	137.0	1301.5	3,980.5
379	8/8/2012	P.M.	60 Mil.	TPO	4012139 1905	9.5	36.0	342.0	4,322.5
380	8/8/2012	P.M.	60 Mil.	TPO	4012139 1406	9.5	46.0	437.0	4,759.5
381	8/8/2012	P.M.	60 Mil.	TPO	4012139 1410	9.5	55.0	522.5	5,282.0
382*	8/8/2012	P.M.	60 Mil.	TPO	4012139 1403				5,282.0
383	8/8/2012	P.M.	60 Mil.	TPO	4012139 1410	9.5	128.0	1216.0	6,498.0
384	8/8/2012	P.M.	60 Mil.	TPO	4012139 1403	9.5	128.0	1216.0	7,714.0
385	8/8/2012	P.M.	60 Mil.	TPO	4012139 1403	9.5	38.0	361.0	8,075.0
386	8/8/2012	P.M.	60 Mil.	TPO	4012139 1505	9.5	90.0	855.0	8,930.0
387	8/8/2012	P.M.	60 Mil.	TPO	4012139 1507	9.5	122.0	1159.0	10,089.0
388	8/8/2012	P.M.	60 Mil.	TPO	4012139 1411	9.5	122.0	1159.0	11,248.0
389	8/8/2012	P.M.	60 Mil.	TPO	4012139 1507	9.5	54.0	513.0	11,761.0
390	8/8/2012	P.M.	60 Mil.	TPO	4012139 1411	9.5	63.0	598.5	12,359.5
391	8/8/2012	P.M.	60 Mil.	TPO	4012139 1505	9.5	5.0	47.5	12,407.0
392	8/9/2012	A.M.	60 Mil.	TPO	4012139 1402	9.5	71.0	674.5	13,081.5
393	8/9/2012	A.M.	60 Mil.	TPO	4012139 1503	9.5	73.0	693.5	13,775.0
394	8/9/2012	A.M.	60 Mil.	TPO	4012139 1503	9.5	108.0	1026.0	14,801.0
395	8/9/2012	A.M.	60 Mil.	TPO	4012139 1305	9.5	36.0	342.0	15,143.0
396	8/9/2012	A.M.	60 Mil.	TPO	4012139 1305	9.5	140.0	1330.0	16,473.0
397	8/9/2012	A.M.	60 Mil.	TPO	4012139 1505	9.5	73.0	693.5	17,166.5
398	8/9/2012	A.M.	60 Mil.	TPO	4012139 1303	9.5	66.0	627.0	17,793.5
399	8/9/2012	A.M.	60 Mil.	TPO	4012139 1303	9.5	121.0	1149.5	18,943.0
400	8/9/2012	A.M.	60 Mil.	TPO	4012139 1506	9.5	17.0	161.5	19,104.5
401	8/9/2012	A.M.	60 Mil.	TPO	4012139 0506	9.5	114.0	1083.0	20,187.5
402	8/9/2012	A.M.	60 Mil.	TPO	4012139 1304	9.5	114.0	1083.0	21,270.5
403	8/9/2012	A.M.	60 Mil.	TPO	4012139 1002	9.5	6.0	57.0	21,327.5
404	8/9/2012	A.M.	60 Mil.	TPO	4012139 0506	9.5	46.0	437.0	21,764.5
405	8/9/2012	A.M.	60 Mil.	TPO	4012139 1304	9.5	62.0	589.0	22,353.5
406	8/9/2012	P.M.	60 Mil.	TPO	4012139 1308	9.5	136.0	1292.0	23,645.5
407	8/9/2012	P.M.	60 Mil.	TPO	4012139 1211	9.5	136.0	1292.0	24,937.5
408	8/9/2012	P.M.	60 Mil.	TPO	4012139 1308	9.5	44.0	418.0	25,355.5
409	8/9/2012	P.M.	60 Mil.	TPO	4012139 1211	9.5	47.0	446.5	25,802.0
410	8/9/2012	P.M.	60 Mil.	TPO	4012139 1504	9.5	47.0	446.5	26,248.5
411*	8/9/2012	P.M.	60 Mil.	TPO	4012139 1201				26,248.5
412	8/9/2012	P.M.	60 Mil.	TPO	4012139 1504	9.5	136.0	1292.0	27,540.5
413	8/9/2012	P.M.	60 Mil.	TPO	4012139 1106	9.5	99.0	940.5	28,481.0
414	8/9/2012	P.M.	60 Mil.	TPO	4012139 1306	9.5	99.0	940.5	29,421.5
415	8/9/2012	P.M.	60 Mil.	TPO	4012139 1106	9.5	77.0	731.5	30,153.0
416	8/9/2012	P.M.	60 Mil.	TPO	4012139 1306	9.5	22.0	209.0	30,362.0

*=In anchor trench

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 20

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
417	8/10/2012	P.M.	60 Mil.	TPO	4012139 1306	9.5	34.0	323.0	323.0
418	8/10/2012	P.M.	60 Mil.	TPO	4012139 1502	9.5	89.0	845.5	1,168.5
419	8/10/2012	P.M.	60 Mil.	TPO	4012139 1502	9.5	97.0	921.5	2,090.0
420	8/10/2012	P.M.	60 Mil.	TPO	4012139 1307	9.5	27.0	256.5	2,346.5
421	8/10/2012	P.M.	60 Mil.	TPO	4012139 1307	9.5	125.0	1187.5	3,534.0
422	8/11/2012	A.M.	60 Mil.	TPO	4012139 1009	9.5	57.0	541.5	4,075.5
423	8/11/2012	A.M.	60 Mil.	TPO	4012139 1009	9.5	57.0	541.5	4,617.0
424	8/11/2012	A.M.	60 Mil.	TPO	4012139 1009	9.5	24.0	228.0	4,845.0
425	8/11/2012	A.M.	60 Mil.	TPO	4012139 1301	9.5	35.0	332.5	5,177.5
426	8/11/2012	A.M.	60 Mil.	TPO	4012139 1301	9.5	35.0	332.5	5,510.0
427	8/11/2012	A.M.	60 Mil.	TPO	4012139 1301	9.5	35.0	332.5	5,842.5
428	8/11/2012	A.M.	60 Mil.	TPO	4012139 1301	9.5	39.0	370.5	6,213.0
429	8/11/2012	A.M.	60 Mil.	TPO	4012139 0810	9.5	136.0	1292.0	7,505.0
430	8/11/2012	A.M.	60 Mil.	TPO	4012139 0810	9.5	44.0	418.0	7,923.0
431	8/11/2012	A.M.	60 Mil.	TPO	4012139 2309	9.5	90.0	855.0	8,778.0
432	8/11/2012	A.M.	60 Mil.	TPO	4012139 2309	9.5	94.0	893.0	9,671.0
433	8/11/2012	A.M.	60 Mil.	TPO	4012139 1202	9.5	38.0	361.0	10,032.0
434	8/11/2012	A.M.	60 Mil.	TPO	4012139 1202	9.5	117.0	1111.5	11,143.5
435	8/11/2012	A.M.	60 Mil.	TPO	4012139 1202	9.5	15.0	142.5	11,286.0
436	8/11/2012	A.M.	60 Mil.	TPO	4012139 1302	9.5	102.0	969.0	12,255.0
437	8/11/2012	A.M.	60 Mil.	TPO	4012139 1302	9.5	84.0	798.0	13,053.0
438	8/11/2012	A.M.	60 Mil.	TPO	4012139 1205	9.5	32.0	304.0	13,357.0
439	8/11/2012	A.M.	60 Mil.	TPO	4012139 1205	9.5	111.0	1054.5	14,411.5
440	8/11/2012	A.M.	60 Mil.	TPO	4012139 1205	9.5	26.0	247.0	14,658.5
441	8/11/2012	A.M.	60 Mil.	TPO	4012139 1204	9.5	82.0	779.0	15,437.5
442	8/11/2012	P.M.	60 Mil.	TPO	4012139 1203	9.5	3.0	28.5	15,466.0
443	8/11/2012	P.M.	60 Mil.	TPO	4012139 1203	9.5	102.0	969.0	16,435.0
444	8/11/2012	P.M.	60 Mil.	TPO	4012139 2401	9.5	92.0	874.0	17,309.0
445	8/11/2012	P.M.	60 Mil.	TPO	4012139 2401	9.5	62.0	589.0	17,898.0
446	8/11/2012	P.M.	60 Mil.	TPO	4012139 1206	9.5	52.0	494.0	18,392.0
447	8/11/2012	P.M.	60 Mil.	TPO	4012139 1206	9.5	47.0	446.5	18,838.5
448	8/11/2012	P.M.	60 Mil.	TPO	4012139 1206	9.5	43.0	408.5	19,247.0
449	8/11/2012	P.M.	60 Mil.	TPO	4012139 1207	9.5	31.0	294.5	19,541.5
450	8/11/2012	P.M.	60 Mil.	TPO	4012139 1207	9.5	26.0	247.0	19,788.5
451	8/11/2012	P.M.	60 Mil.	TPO	4012139 1207	9.5	21.0	199.5	19,988.0
452	8/11/2012	P.M.	60 Mil.	TPO	4012139 1207	9.5	14.0	133.0	20,121.0
453	8/11/2012	P.M.	60 Mil.	TPO	4012139 1207	3.0	6.0	18.0	20,139.0
454	8/11/2012	P.M.	60 Mil.	TPO	4012139 1209	9.5	78.0	741.0	20,880.0
455	8/11/2012	P.M.	60 Mil.	TPO	4012139 1209	9.5	78.0	741.0	21,621.0
456	8/11/2012	P.M.	60 Mil.	TPO	4012139 1208	9.5	80.0	760.0	22,381.0
457	8/11/2012	P.M.	60 Mil.	TPO	4012139 1208	9.5	84.0	798.0	23,179.0
458	8/11/2012	P.M.	60 Mil.	TPO	4012139 1210	9.5	26.0	247.0	23,426.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 21

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
459	8/11/2012	P.M.	60 Mil.	TPO	4012139 1210	9.5	63.0	598.5	598.5
460	8/11/2012	P.M.	60 Mil.	TPO	4012139 1210	9.5	72.0	684.0	1,282.5
461	8/11/2012	P.M.	60 Mil.	TPO	4012139 1110	9.5	69.0	655.5	1,938.0
462	8/13/2012	P.M.	60 Mil.	TPO	4012139 1104	9.5	71.0	674.5	2,612.5
463	8/13/2012	P.M.	60 Mil.	TPO	4012139 1104	9.5	71.0	674.5	3,287.0
464	8/13/2012	P.M.	60 Mil.	TPO	4012139 1104	9.5	23.0	218.5	3,505.5
465	8/13/2012	P.M.	60 Mil.	TPO	4012139 1007	9.5	48.0	456.0	3,961.5
466	8/13/2012	P.M.	60 Mil.	TPO	4012139 1007	9.5	77.0	731.5	4,693.0
467	8/13/2012	P.M.	60 Mil.	TPO	4012139 1111	9.5	77.0	731.5	5,424.5
468	8/13/2012	P.M.	60 Mil.	TPO	4012139 1007	9.5	43.0	408.5	5,833.0
469	8/13/2012	P.M.	60 Mil.	TPO	4012139 1111	9.5	34.0	323.0	6,156.0
470	8/13/2012	P.M.	60 Mil.	TPO	4012139 1105	9.5	66.0	627.0	6,783.0
471	8/13/2012	P.M.	60 Mil.	TPO	4012139 1105	9.5	66.0	627.0	7,410.0
472	8/13/2012	P.M.	60 Mil.	TPO	4012139 1111	9.5	58.0	551.0	7,961.0
473	8/13/2012	P.M.	60 Mil.	TPO	4012139 1105	9.5	6.0	57.0	8,018.0
474	8/14/2012	A.M.	60 Mil.	TPO	4012139 1006	9.5	75.0	712.5	8,730.5
475	8/14/2012	A.M.	60 Mil.	TPO	4012139 1006	9.5	74.0	703.0	9,433.5
476	8/14/2012	A.M.	60 Mil.	TPO	4012139 1001	9.5	72.0	684.0	10,117.5
477	8/14/2012	A.M.	60 Mil.	TPO	4012139 1001	9.5	70.0	665.0	10,782.5
478	8/14/2012	A.M.	60 Mil.	TPO	4012139 1001	9.5	20.0	190.0	10,972.5
479	8/14/2012	A.M.	60 Mil.	TPO	4012140 0303	9.5	48.0	456.0	11,428.5
480	8/14/2012	A.M.	60 Mil.	TPO	4012140 0303	9.5	67.0	636.5	12,065.0
481	8/14/2012	A.M.	60 Mil.	TPO	4012140 0301	9.5	54.0	513.0	12,578.0
482	8/14/2012	A.M.	60 Mil.	TPO	4012140 0301	9.5	54.0	513.0	13,091.0
483	8/14/2012	A.M.	60 Mil.	TPO	4012140 0303	9.5	54.0	513.0	13,604.0
484	8/14/2012	A.M.	60 Mil.	TPO	4012140 0205	9.5	48.0	456.0	14,060.0
485	8/14/2012	A.M.	60 Mil.	TPO	4012140 0205	9.5	48.0	456.0	14,516.0
486	8/14/2012	P.M.	60 Mil.	TPO	4012140 0301	9.5	48.0	456.0	14,972.0
487	8/14/2012	P.M.	60 Mil.	TPO	4012140 0205	9.5	40.0	380.0	15,352.0
488	8/14/2012	P.M.	60 Mil.	TPO	4012140 0204	9.5	40.0	380.0	15,732.0
489	8/14/2012	P.M.	60 Mil.	TPO	4012139 1401	9.5	12.0	114.0	15,846.0
490	8/14/2012	P.M.	60 Mil.	TPO	4012139 1201	9.5	25.0	237.5	16,083.5
491	8/14/2012	P.M.	60 Mil.	TPO	4012140 0204	9.5	25.0	237.5	16,321.0
492	8/14/2012	P.M.	60 Mil.	TPO	4012140 0204	9.5	25.0	237.5	16,558.5
493	8/14/2012	P.M.	60 Mil.	TPO	4012140 0204	9.5	25.0	237.5	16,796.0
494	8/14/2012	P.M.	60 Mil.	TPO	4012139 1201	9.5	2.0	19.0	16,815.0
495	8/14/2012	P.M.	60 Mil.	TPO	4012139 1201	9.5	15.0	142.5	16,957.5
496	8/14/2012	P.M.	60 Mil.	TPO	4012139 1201	9.5	15.0	142.5	17,100.0
497	8/14/2012	P.M.	60 Mil.	TPO	4012139 1201	9.5	15.0	142.5	17,242.5
498	8/14/2012	P.M.	60 Mil.	TPO	4012139 1011	9.5	7.0	66.5	17,309.0
499	8/14/2012	P.M.	60 Mil.	TPO	4012139 1011	9.5	7.0	66.5	17,375.5
500	8/14/2012	P.M.	60 Mil.	TPO	4012139 1011	9.5	8.0	76.0	17,451.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 22

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
501	8/14/2012	P.M.	60 Mil.	TPO	4012139 1011	9.5	9.0	85.5	85.5
502	8/14/2012	P.M.	60 Mil.	TPO	4012139 1011	9.5	11.0	104.5	190.0
503	8/14/2012	P.M.	60 Mil.	TPO	4012139 1011	9.5	13.0	123.5	313.5
504	8/14/2012	P.M.	60 Mil.	TPO	4012139 1011	9.5	14.0	133.0	446.5
505	8/14/2012	P.M.	60 Mil.	TPO	4012139 1011	9.5	16.0	152.0	598.5
506	8/14/2012	P.M.	60 Mil.	TPO	4012139 1011	9.5	9.0	85.5	684.0
507	8/14/2012	P.M.	60 Mil.	TPO	4012139 1107	9.5	9.0	85.5	769.5
508	8/14/2012	P.M.	60 Mil.	TPO	4012139 1107	9.5	20.0	190.0	959.5
509	8/14/2012	P.M.	60 Mil.	TPO	4012139 1107	9.5	21.0	199.5	1,159.0
510	8/14/2012	P.M.	60 Mil.	TPO	4012139 1107	9.5	23.0	218.5	1,377.5
511	8/14/2012	P.M.	60 Mil.	TPO	4012139 1107	9.5	25.0	237.5	1,615.0
512	8/14/2012	P.M.	60 Mil.	TPO	4012139 1107	9.5	27.0	256.5	1,871.5
513	8/14/2012	P.M.	60 Mil.	TPO	4012139 1108	9.5	30.0	285.0	2,156.5
514	8/14/2012	P.M.	60 Mil.	TPO	4012139 1108	9.5	32.0	304.0	2,460.5
515	8/14/2012	P.M.	60 Mil.	TPO	4012139 1108	9.5	34.0	323.0	2,783.5
516	8/14/2012	P.M.	60 Mil.	TPO	4012139 1108	9.5	35.0	332.5	3,116.0
517	8/14/2012	P.M.	60 Mil.	TPO	4012139 2104	9.5	37.0	351.5	3,467.5
518	8/14/2012	P.M.	60 Mil.	TPO	4012139 2104	9.5	39.0	370.5	3,838.0
519	8/14/2012	P.M.	60 Mil.	TPO	4012139 2104	9.5	41.0	389.5	4,227.5
520	8/14/2012	P.M.	60 Mil.	TPO	4012139 2104	9.5	34.0	323.0	4,550.5
521	8/14/2012	P.M.	60 Mil.	TPO	4012139 1101	9.5	10.0	95.0	4,645.5
522	8/14/2012	P.M.	60 Mil.	TPO	4012139 1101	9.5	46.0	437.0	5,082.5
523	8/15/2012	A.M.	60 Mil.	TPO	4012139 1101	9.5	48.0	456.0	5,538.5
524	8/15/2012	A.M.	60 Mil.	TPO	4012139 1101	9.5	49.0	465.5	6,004.0
525	8/15/2012	A.M.	60 Mil.	TPO	4012139 1109	9.5	42.0	399.0	6,403.0
526	8/15/2012	A.M.	60 Mil.	TPO	4012139 1109	9.5	32.0	304.0	6,707.0
527	8/15/2012	A.M.	60 Mil.	TPO	4012139 1109	9.5	29.0	275.5	6,982.5
528	8/15/2012	A.M.	60 Mil.	TPO	4012139 2307	9.5	27.0	256.5	7,239.0
529	8/15/2012	A.M.	60 Mil.	TPO	4012139 2307	9.5	25.0	237.5	7,476.5
530	8/15/2012	A.M.	60 Mil.	TPO	4012139 2307	9.5	23.0	218.5	7,695.0
531	8/15/2012	A.M.	60 Mil.	TPO	4012139 2307	9.5	21.0	199.5	7,894.5
532	8/15/2012	A.M.	60 Mil.	TPO	4012139 2307	9.5	19.0	180.5	8,075.0
533	8/15/2012	A.M.	60 Mil.	TPO	4012139 2410	9.5	16.0	152.0	8,227.0
534	8/15/2012	A.M.	60 Mil.	TPO	4012139 2410	9.5	14.0	133.0	8,360.0
535	8/15/2012	A.M.	60 Mil.	TPO	4012139 2410	9.5	14.0	133.0	8,493.0
536	8/15/2012	A.M.	60 Mil.	TPO	4012139 2410	9.5	13.0	123.5	8,616.5
537	8/15/2012	A.M.	60 Mil.	TPO	4012139 2410	9.5	9.0	85.5	8,702.0
538	8/15/2012	A.M.	60 Mil.	TPO	4012139 2410	9.5	6.0	57.0	8,759.0
539	8/15/2012	A.M.	60 Mil.	TPO	4012139 2307	9.5	3.0	28.5	8,787.5
540	8/15/2012	A.M.	60 Mil.	TPO	4012139 2307	9.5	7.0	66.5	8,854.0
541	8/15/2012	A.M.	60 Mil.	TPO	4012139 1204	9.5	63.0	598.5	9,452.5
542	8/15/2012	A.M.	60 Mil.	TPO	4012139 1204	9.5	27.0	256.5	9,709.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 23

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
543	8/15/2012	A.M.	60 Mil.	TPO	4012139 1010	9.5	35.0	332.5	332.5
544	8/15/2012	A.M.	60 Mil.	TPO	4012139 1010	9.5	61.0	579.5	912.0
545	8/15/2012	A.M.	60 Mil.	TPO	4012139 1010	9.5	56.0	532.0	1,444.0
546	8/15/2012	A.M.	60 Mil.	TPO	4012139 1005	9.5	55.0	522.5	1,966.5
547	8/15/2012	A.M.	60 Mil.	TPO	4012139 1005	9.5	53.0	503.5	2,470.0
548	8/15/2012	A.M.	60 Mil.	TPO	4012139 1005	9.5	46.0	437.0	2,907.0
549	8/15/2012	A.M.	60 Mil.	TPO	4012139 2103	9.5	43.0	408.5	3,315.5
550	8/15/2012	A.M.	60 Mil.	TPO	4012139 2103	9.5	38.0	361.0	3,676.5
551	8/15/2012	A.M.	60 Mil.	TPO	4012139 2103	9.5	36.0	342.0	4,018.5
552	8/15/2012	P.M.	60 Mil.	TPO	4012139 2011	9.5	33.0	313.5	4,332.0
553	8/15/2012	P.M.	60 Mil.	TPO	4012139 2011	9.5	24.0	228.0	4,560.0
554	8/15/2012	P.M.	60 Mil.	TPO	4012139 2011	9.5	22.0	209.0	4,769.0
555	8/15/2012	P.M.	60 Mil.	TPO	4012139 2011	9.5	21.0	199.5	4,968.5
556	8/15/2012	P.M.	60 Mil.	TPO	4012139 2011	9.5	13.0	123.5	5,092.0
557*	8/16/2012	A.M.	60 Mil.	TPO	4012139 2107				5,092.0
558	8/16/2012	A.M.	60 Mil.	TPO	4012139 2107	9.5	87.0	826.5	5,918.5
559	8/16/2012	A.M.	60 Mil.	TPO	4012139 2407	9.5	86.0	817.0	6,735.5
560	8/16/2012	A.M.	60 Mil.	TPO	4012139 2407	9.5	80.0	760.0	7,495.5
561	8/16/2012	A.M.	60 Mil.	TPO	4012139 2505	9.5	82.0	779.0	8,274.5
562	8/16/2012	A.M.	60 Mil.	TPO	4012139 2505	9.5	84.0	798.0	9,072.5
563	8/16/2012	A.M.	60 Mil.	TPO	4012139 2111	9.5	57.0	541.5	9,614.0
564	8/16/2012	A.M.	60 Mil.	TPO	4012139 2111	9.5	57.0	541.5	10,155.5
565	8/16/2012	P.M.	60 Mil.	TPO	4012139 2205	9.5	31.0	294.5	10,450.0
566	8/16/2012	P.M.	60 Mil.	TPO	4012139 2111	9.5	36.0	342.0	10,792.0
567	8/16/2012	P.M.	60 Mil.	TPO	4012139 2204	9.5	20.0	190.0	10,982.0
568	8/16/2012	P.M.	60 Mil.	TPO	4012139 2204	9.5	20.0	190.0	11,172.0
569	8/16/2012	P.M.	60 Mil.	TPO	4012139 2204	9.5	27.0	256.5	11,428.5
570	8/16/2012	P.M.	60 Mil.	TPO	4012139 2308	9.5	37.0	351.5	11,780.0
571	8/16/2012	P.M.	60 Mil.	TPO	4012139 2308	9.5	37.0	351.5	12,131.5
572	8/16/2012	P.M.	60 Mil.	TPO	4012139 2308	9.5	37.0	351.5	12,483.0
573	8/16/2012	P.M.	60 Mil.	TPO	4012139 2308	9.5	37.0	351.5	12,834.5
574	8/16/2012	P.M.	60 Mil.	TPO	4012139 2110	9.5	37.0	351.5	13,186.0
575	8/16/2012	P.M.	60 Mil.	TPO	4012139 2110	9.5	37.0	351.5	13,537.5
576	8/16/2012	P.M.	60 Mil.	TPO	4012139 2110	9.5	37.0	351.5	13,889.0
577	8/16/2012	P.M.	60 Mil.	TPO	4012139 2110	9.5	37.0	351.5	14,240.5
578	8/16/2012	P.M.	60 Mil.	TPO	4012139 2411	9.5	37.0	351.5	14,592.0
579	8/16/2012	P.M.	60 Mil.	TPO	4012139 2411	9.5	37.0	351.5	14,943.5
580	8/16/2012	P.M.	60 Mil.	TPO	4012139 2411	9.5	37.0	351.5	15,295.0
581	8/16/2012	P.M.	60 Mil.	TPO	4012139 2411	9.5	37.0	351.5	15,646.5
582	8/16/2012	P.M.	60 Mil.	TPO	4012139 2501	9.5	37.0	351.5	15,998.0
583	8/16/2012	P.M.	60 Mil.	TPO	4012139 2501	9.5	37.0	351.5	16,349.5
584	8/16/2012	P.M.	60 Mil.	TPO	4012139 2501	9.5	37.0	351.5	16,701.0

*=In anchor trench

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 24

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
585	8/16/2012	P.M.	60 Mil.	TPO	4012139 2501	9.5	37.0	351.5	351.5
586	8/17/2012	A.M.	60 Mil.	TPO	4012139 2205	9.5	83.0	788.5	1,140.0
587	8/17/2012	A.M.	60 Mil.	TPO	4012139 2205	9.5	75.0	712.5	1,852.5
588	8/17/2012	A.M.	60 Mil.	TPO	4012139 2408	9.5	68.0	646.0	2,498.5
589	8/17/2012	A.M.	60 Mil.	TPO	4012139 2408	9.5	45.0	427.5	2,926.0
590	8/17/2012	A.M.	60 Mil.	TPO	4012139 2201	9.5	39.0	370.5	3,296.5
591	8/17/2012	A.M.	60 Mil.	TPO	4012139 2201	9.5	33.0	313.5	3,610.0
592	8/17/2012	A.M.	60 Mil.	TPO	4012139 2408	9.5	12.0	114.0	3,724.0
593	8/17/2012	A.M.	60 Mil.	TPO	4012139 2201	9.5	6.0	57.0	3,781.0
594	8/17/2012	A.M.	60 Mil.	TPO	4012139 1203	4.8	3.0	14.3	3,795.3
595	8/18/2012	P.M.	60 Mil.	TPO	4012139 2504	9.5	25.0	237.5	4,032.8
596	8/18/2012	P.M.	60 Mil.	TPO	4012139 2504	9.5	22.0	209.0	4,241.8
597	8/18/2012	P.M.	60 Mil.	TPO	4012139 2504	9.5	20.0	190.0	4,431.8
598	8/18/2012	P.M.	60 Mil.	TPO	4012139 2504	9.5	17.0	161.5	4,593.3
599	8/18/2012	P.M.	60 Mil.	TPO	4012139 2504	9.5	16.0	152.0	4,745.3
600	8/18/2012	P.M.	60 Mil.	TPO	4012139 2504	9.5	13.0	123.5	4,868.8
601	8/18/2012	P.M.	60 Mil.	TPO	4012139 2409	9.5	10.0	95.0	4,963.8
602	8/18/2012	P.M.	60 Mil.	TPO	4012139 2409	9.5	8.0	76.0	5,039.8
603	8/18/2012	P.M.	60 Mil.	TPO	4012139 2409	9.5	27.0	256.5	5,296.3
604	8/18/2012	P.M.	60 Mil.	TPO	4012139 2409	9.5	29.0	275.5	5,571.8
605	8/18/2012	P.M.	60 Mil.	TPO	4012139 2409	9.5	30.0	285.0	5,856.8
606	8/18/2012	P.M.	60 Mil.	TPO	4012139 2409	9.5	30.0	285.0	6,141.8
607	8/18/2012	P.M.	60 Mil.	TPO	4012139 2202	9.5	31.0	294.5	6,436.3
608	8/18/2012	P.M.	60 Mil.	TPO	4012139 2202	9.5	32.0	304.0	6,740.3
609	8/18/2012	P.M.	60 Mil.	TPO	4012139 2202	9.5	32.0	304.0	7,044.3
610	8/18/2012	P.M.	60 Mil.	TPO	4012139 2202	9.5	31.0	294.5	7,338.8
611	8/18/2012	P.M.	60 Mil.	TPO	4012139 2202	9.5	26.0	247.0	7,585.8
612	8/18/2012	P.M.	60 Mil.	TPO	4012139 2406	9.5	7.0	66.5	7,652.3
613	8/18/2012	P.M.	60 Mil.	TPO	4012139 2406	9.5	32.0	304.0	7,956.3
614	8/18/2012	P.M.	60 Mil.	TPO	4012139 2406	9.5	32.0	304.0	8,260.3
615	8/18/2012	P.M.	60 Mil.	TPO	4012139 2406	9.5	32.0	304.0	8,564.3
616	8/18/2012	P.M.	60 Mil.	TPO	4012139 2406	9.5	32.0	304.0	8,868.3
617	8/18/2012	P.M.	60 Mil.	TPO	4012139 2406	9.5	13.0	123.5	8,991.8
618	8/18/2012	P.M.	60 Mil.	TPO	4012139 2109	9.5	19.0	180.5	9,172.3
619	8/18/2012	P.M.	60 Mil.	TPO	4012139 2109	9.5	32.0	304.0	9,476.3
620	8/18/2012	P.M.	60 Mil.	TPO	4012139 2109	9.5	32.0	304.0	9,780.3
621	8/18/2012	P.M.	60 Mil.	TPO	4012139 2109	9.5	32.0	304.0	10,084.3
622	8/18/2012	P.M.	60 Mil.	TPO	4012139 2109	9.5	32.0	304.0	10,388.3
623	8/18/2012	P.M.	60 Mil.	TPO	4012139 2102	9.5	32.0	304.0	10,692.3
624	8/18/2012	P.M.	60 Mil.	TPO	4012139 2102	9.5	32.0	304.0	10,996.3
625	8/18/2012	P.M.	60 Mil.	TPO	4012139 2102	9.5	33.0	313.5	11,309.8
626	8/18/2012	P.M.	60 Mil.	TPO	4012139 2102	9.5	33.0	313.5	11,623.3

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 25

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
627	8/18/2012	P.M.	60 Mil.	TPO	4012139 2506	9.5	33.0	313.5	313.5
628	8/18/2012	P.M.	60 Mil.	TPO	4012139 2506	9.5	32.0	304.0	617.5
629	8/18/2012	P.M.	60 Mil.	TPO	4012139 2506	9.5	32.0	304.0	921.5
630	8/18/2012	P.M.	60 Mil.	TPO	4012139 2506	9.5	32.0	304.0	1,225.5
631	8/20/2012	A.M.	60 Mil.	TPO	4012139 2304	9.5	34.0	323.0	1,548.5
632	8/20/2012	A.M.	60 Mil.	TPO	4012139 2304	9.5	34.0	323.0	1,871.5
633	8/20/2012	A.M.	60 Mil.	TPO	4012139 2304	9.5	34.0	323.0	2,194.5
634	8/20/2012	A.M.	60 Mil.	TPO	4012139 2304	9.5	34.0	323.0	2,517.5
635	8/20/2012	A.M.	60 Mil.	TPO	4012139 2304	9.5	21.0	199.5	2,717.0
636	8/20/2012	A.M.	60 Mil.	TPO	4012139 2601	9.5	13.0	123.5	2,840.5
637	8/20/2012	A.M.	60 Mil.	TPO	4012139 2601	9.5	34.0	323.0	3,163.5
638	8/20/2012	A.M.	60 Mil.	TPO	4012139 2601	9.5	34.0	323.0	3,486.5
639	8/20/2012	A.M.	60 Mil.	TPO	4012139 2601	9.5	34.0	323.0	3,809.5
640	8/20/2012	A.M.	60 Mil.	TPO	4012139 2601	9.5	33.0	313.5	4,123.0
641	8/20/2012	A.M.	60 Mil.	TPO	4012139 2108	9.5	33.0	313.5	4,436.5
642	8/20/2012	A.M.	60 Mil.	TPO	4012139 2108	9.5	33.0	313.5	4,750.0
643	8/20/2012	A.M.	60 Mil.	TPO	4012139 2108	9.5	34.0	323.0	5,073.0
644	8/20/2012	A.M.	60 Mil.	TPO	4012139 2108	9.5	34.0	323.0	5,396.0
645	8/20/2012	A.M.	60 Mil.	TPO	4012139 2402	9.5	32.0	304.0	5,700.0
646	8/20/2012	A.M.	60 Mil.	TPO	4012139 2402	9.5	31.0	294.5	5,994.5
647	8/20/2012	A.M.	60 Mil.	TPO	4012139 2402	9.5	29.0	275.5	6,270.0
648	8/20/2012	A.M.	60 Mil.	TPO	4012139 2402	9.5	28.0	266.0	6,536.0
649	8/20/2012	A.M.	60 Mil.	TPO	4012139 2503	9.5	27.0	256.5	6,792.5
650	8/20/2012	A.M.	60 Mil.	TPO	4012139 2503	9.5	26.0	247.0	7,039.5
651	8/20/2012	A.M.	60 Mil.	TPO	4012139 2108	9.5	25.0	237.5	7,277.0
652	8/20/2012	A.M.	60 Mil.	TPO	4012139 2503	9.5	23.0	218.5	7,495.5
653	8/20/2012	A.M.	60 Mil.	TPO	4012139 2503	9.5	21.0	199.5	7,695.0
654	8/20/2012	A.M.	60 Mil.	TPO	4012139 2503	9.5	19.0	180.5	7,875.5
655	8/20/2012	A.M.	60 Mil.	TPO	4012139 2402	9.5	17.0	161.5	8,037.0
656	8/20/2012	A.M.	60 Mil.	TPO	4012139 2102	9.5	15.0	142.5	8,179.5
657	8/20/2012	A.M.	60 Mil.	TPO	4012139 2506	9.5	14.0	133.0	8,312.5
658	8/20/2012	A.M.	60 Mil.	TPO	4012139 2503	9.5	13.0	123.5	8,436.0
344	8/17/2012	P.M.	40 Mil.	LD Texture	301 441	22.5	189.0	4252.5	12,688.5
345	8/17/2012	P.M.	40 Mil.	LD Texture	207 631	22.5	189.0	4252.5	16,941.0
346	8/17/2012	P.M.	40 Mil.	LD Texture	207 631	22.5	189.0	4252.5	21,193.5
659*	8/20/2012	A.M.	60 Mil.	TPO	4012139 2108				21,193.5
660	8/22/2012	A.M.	60 Mil.	TPO	4012139 2502	9.5	37.0	351.5	21,545.0
661	8/22/2012	A.M.	60 Mil.	TPO	4012139 2502	9.5	36.0	342.0	21,887.0
662	8/22/2012	A.M.	60 Mil.	TPO	4012139 2502	9.5	34.0	323.0	22,210.0
663	8/22/2012	A.M.	60 Mil.	TPO	4012139 2502	9.5	33.0	313.5	22,523.5
664	8/22/2012	A.M.	60 Mil.	TPO	4012139 2209	9.5	32.0	304.0	22,827.5
665	8/22/2012	A.M.	60 Mil.	TPO	4012139 2209	9.5	32.0	304.0	23,131.5

*=In anchor trench

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 26

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
666	8/22/2012	A.M.	60 Mil.	TPO	4012139 2209	9.5	32.0	304.0	304.0
667	8/22/2012	A.M.	60 Mil.	TPO	4012139 2209	9.5	31.0	294.5	598.5
668	8/22/2012	A.M.	60 Mil.	TPO	4012139 2209	9.5	32.0	304.0	902.5
669	8/22/2012	A.M.	60 Mil.	TPO	4012139 2105	9.5	32.0	304.0	1,206.5
670	8/22/2012	A.M.	60 Mil.	TPO	4012139 2105	9.5	32.0	304.0	1,510.5
671	8/22/2012	A.M.	60 Mil.	TPO	4012139 2105	9.5	31.0	294.5	1,805.0
672	8/22/2012	A.M.	60 Mil.	TPO	4012139 2105	9.5	30.0	285.0	2,090.0
673	8/22/2012	A.M.	60 Mil.	TPO	4012139 2105	9.5	30.0	285.0	2,375.0
674	8/22/2012	A.M.	60 Mil.	TPO	4012139 2206	9.5	30.0	285.0	2,660.0
675	8/22/2012	A.M.	60 Mil.	TPO	4012139 2206	9.5	30.0	285.0	2,945.0
676	8/22/2012	A.M.	60 Mil.	TPO	4012139 2206	9.5	29.0	275.5	3,220.5
677	8/22/2012	A.M.	60 Mil.	TPO	4012139 2206	9.5	29.0	275.5	3,496.0
678	8/22/2012	A.M.	60 Mil.	TPO	4012139 2206	9.5	30.0	285.0	3,781.0
679	8/22/2012	A.M.	60 Mil.	TPO	4012139 2510	9.5	30.0	285.0	4,066.0
680	8/22/2012	A.M.	60 Mil.	TPO	4012139 2510	9.5	30.0	285.0	4,351.0
681	8/22/2012	A.M.	60 Mil.	TPO	4012139 2210	9.5	29.0	275.5	4,626.5
682	8/22/2012	A.M.	60 Mil.	TPO	4012139 2210	9.5	29.0	275.5	4,902.0
683	8/22/2012	A.M.	60 Mil.	TPO	4012139 2210	9.5	29.0	275.5	5,177.5
684	8/22/2012	P.M.	60 Mil.	TPO	4012139 2509	9.5	29.0	275.5	5,453.0
685	8/22/2012	P.M.	60 Mil.	TPO	4012139 2509	9.5	29.0	275.5	5,728.5
686	8/22/2012	P.M.	60 Mil.	TPO	4012139 2509	9.5	29.0	275.5	6,004.0
687	8/22/2012	P.M.	60 Mil.	TPO	4012139 2509	9.5	28.0	266.0	6,270.0
688	8/22/2012	P.M.	60 Mil.	TPO	4012139 2509	9.5	28.0	266.0	6,536.0
689	8/22/2012	P.M.	60 Mil.	TPO	4012139 2211	9.5	29.0	275.5	6,811.5
690	8/22/2012	P.M.	60 Mil.	TPO	4012139 2211	9.5	29.0	275.5	7,087.0
691	8/22/2012	P.M.	60 Mil.	TPO	4012139 2211	9.5	29.0	275.5	7,362.5
692	8/22/2012	P.M.	60 Mil.	TPO	4012139 2211	9.5	28.0	266.0	7,628.5
693	8/22/2012	P.M.	60 Mil.	TPO	4012139 2211	9.5	28.0	266.0	7,894.5
694	8/22/2012	P.M.	60 Mil.	TPO	4012139 2303	9.5	14.0	133.0	8,027.5
695	8/22/2012	P.M.	60 Mil.	TPO	4012139 2211	9.5	14.0	133.0	8,160.5
696	8/22/2012	P.M.	60 Mil.	TPO	4012139 2303	9.5	29.0	275.5	8,436.0
697	8/22/2012	P.M.	60 Mil.	TPO	4012139 2303	9.5	29.0	275.5	8,711.5
698	8/22/2012	P.M.	60 Mil.	TPO	4012139 2303	9.5	29.0	275.5	8,987.0
699	8/22/2012	P.M.	60 Mil.	TPO	4012139 2303	9.5	30.0	285.0	9,272.0
700	8/22/2012	P.M.	60 Mil.	TPO	4012139 2303	9.5	29.0	275.5	9,547.5
701	8/22/2012	P.M.	60 Mil.	TPO	4012139 2509	9.5	2.0	19.0	9,566.5
702	8/22/2012	P.M.	60 Mil.	TPO	4012139 2403	9.5	28.0	266.0	9,832.5
703	8/22/2012	P.M.	60 Mil.	TPO	4012139 2403	9.5	29.0	275.5	10,108.0
704	8/22/2012	P.M.	60 Mil.	TPO	4012139 2403	9.5	30.0	285.0	10,393.0
705	8/22/2012	P.M.	60 Mil.	TPO	4012139 2403	9.5	30.0	285.0	10,678.0
706	8/22/2012	P.M.	60 Mil.	TPO	4012139 2403	9.5	30.0	285.0	10,963.0
707	8/22/2012	P.M.	60 Mil.	TPO	4012139 2404	9.5	30.0	285.0	11,248.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 27

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
708	8/22/2012	P.M.	60 Mil.	TPO	4012139 2404	9.5	31.0	294.5	294.5
709	8/22/2012	P.M.	60 Mil.	TPO	4012139 2404	9.5	31.0	294.5	589.0
710	8/22/2012	P.M.	60 Mil.	TPO	4012139 2404	9.5	31.0	294.5	883.5
711	8/22/2012	P.M.	60 Mil.	TPO	4012139 2404	9.5	31.0	294.5	1,178.0
712	8/22/2012	P.M.	60 Mil.	TPO	4012139 2702	9.5	31.0	294.5	1,472.5
713	8/22/2012	P.M.	60 Mil.	TPO	4012139 2702	9.5	30.0	285.0	1,757.5
714	8/22/2012	P.M.	60 Mil.	TPO	4012139 2702	9.5	30.0	285.0	2,042.5
715	8/22/2012	P.M.	60 Mil.	TPO	4012139 2702	9.5	30.0	285.0	2,327.5
716	8/22/2012	P.M.	60 Mil.	TPO	4012139 2702	9.5	30.0	285.0	2,612.5
717	8/22/2012	P.M.	60 Mil.	TPO	4012139 2302	9.5	30.0	285.0	2,897.5
718	8/22/2012	P.M.	60 Mil.	TPO	4012139 2302	9.5	29.0	275.5	3,173.0
719	8/22/2012	P.M.	60 Mil.	TPO	4012139 2302	9.5	29.0	275.5	3,448.5
720	8/22/2012	P.M.	60 Mil.	TPO	4012139 2302	9.5	29.0	275.5	3,724.0
721	8/22/2012	P.M.	60 Mil.	TPO	4012139 2302	9.5	29.0	275.5	3,999.5
722	8/22/2012	P.M.	60 Mil.	TPO	4012139 2210	9.5	29.0	275.5	4,275.0
723	8/22/2012	P.M.	60 Mil.	TPO	4012139 2210	9.5	29.0	275.5	4,550.5
724	8/23/2012	P.M.	60 Mil.	TPO	4012139 2311	9.5	50.0	475.0	5,025.5
725	8/23/2012	P.M.	60 Mil.	TPO	4012139 2311	9.5	50.0	475.0	5,500.5
726	8/23/2012	P.M.	60 Mil.	TPO	4012139 2311	9.5	46.0	437.0	5,937.5
727	8/23/2012	P.M.	60 Mil.	TPO	4012139 2210	9.5	41.0	389.5	6,327.0
728	8/23/2012	P.M.	60 Mil.	TPO	4012139 2210	9.5	24.0	228.0	6,555.0
729	8/23/2012	P.M.	60 Mil.	TPO	4012139 2603	9.5	23.0	218.5	6,773.5
730	8/23/2012	P.M.	60 Mil.	TPO	4012139 2603	9.5	22.0	209.0	6,982.5
731	8/23/2012	P.M.	60 Mil.	TPO	4012139 2603	9.5	20.0	190.0	7,172.5
732	8/23/2012	P.M.	60 Mil.	TPO	4012139 2603	9.5	19.0	180.5	7,353.0
733	8/23/2012	P.M.	60 Mil.	TPO	4012139 2603	9.5	19.0	180.5	7,533.5
734	8/23/2012	P.M.	60 Mil.	TPO	4012139 2208	9.5	18.0	171.0	7,704.5
735	8/23/2012	P.M.	60 Mil.	TPO	4012139 2208	9.5	17.0	161.5	7,866.0
736	8/23/2012	P.M.	60 Mil.	TPO	4012139 2208	9.5	16.0	152.0	8,018.0
737	8/23/2012	P.M.	60 Mil.	TPO	4012139 2208	9.5	16.0	152.0	8,170.0
738	8/23/2012	P.M.	60 Mil.	TPO	4012139 2208	9.5	15.0	142.5	8,312.5
739	8/23/2012	P.M.	60 Mil.	TPO	4012139 2311	9.5	14.0	133.0	8,445.5
740	8/23/2012	P.M.	60 Mil.	TPO	4012139 2208	9.5	13.0	123.5	8,569.0
741*	8/23/2012	P.M.	60 Mil.	TPO	4012139 2603				8,569.0
742	8/31/2012	A.M.	60 Mil.	TPO	4012139 2203	9.5	24.0	228.0	8,797.0
743	8/31/2012	A.M.	60 Mil.	TPO	4012139 2203	9.5	24.0	228.0	9,025.0
744	8/31/2012	A.M.	60 Mil.	TPO	4012139 2203	9.5	24.0	228.0	9,253.0
745	8/31/2012	A.M.	60 Mil.	TPO	4012139 2203	9.5	34.0	323.0	9,576.0
746	8/31/2012	A.M.	60 Mil.	TPO	4012139 2310	9.5	34.0	323.0	9,899.0
747	8/31/2012	A.M.	60 Mil.	TPO	4012139 2203	9.5	24.0	228.0	10,127.0
748	8/31/2012	A.M.	60 Mil.	TPO	4012139 2310	9.5	13.0	123.5	10,250.5
749	8/31/2012	A.M.	60 Mil.	TPO	4012139 2310	9.5	47.0	446.5	10,697.0

*=In anchor trench

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 28

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
750	8/31/2012	A.M.	60 Mil.	TPO	4012139 2310	9.5	47.0	446.5	446.5
751	8/31/2012	A.M.	60 Mil.	TPO	4012140 1706	9.5	49.0	465.5	912.0
752	8/31/2012	P.M.	60 Mil.	TPO	4012140 1706	9.5	36.0	342.0	1,254.0
753	8/31/2012	P.M.	60 Mil.	TPO	4012139 2306	9.5	61.0	579.5	1,833.5
754	8/31/2012	P.M.	60 Mil.	TPO	4012139 2306	9.5	24.0	228.0	2,061.5
755	8/31/2012	P.M.	60 Mil.	TPO	4012140 1706	9.5	44.0	418.0	2,479.5
756	8/31/2012	P.M.	60 Mil.	TPO	4012139 1610	9.5	51.0	484.5	2,964.0
757	8/31/2012	P.M.	60 Mil.	TPO	4012139 2507	9.5	50.0	475.0	3,439.0
758	8/31/2012	P.M.	60 Mil.	TPO	4012139 0103	9.5	36.0	342.0	3,781.0
759	8/31/2012	P.M.	60 Mil.	TPO	4012139 1610	9.5	143.0	1358.5	5,139.5
760	8/31/2012	P.M.	60 Mil.	TPO	4012139 2507	9.5	143.0	1358.5	6,498.0
761	8/31/2012	P.M.	60 Mil.	TPO	4012140 0208	9.5	37.0	351.5	6,849.5
762	8/31/2012	P.M.	60 Mil.	TPO	4012139 2106	9.5	106.0	1007.0	7,856.5
763	8/31/2012	P.M.	60 Mil.	TPO	4012140 0208	9.5	172.0	1634.0	9,490.5
764	8/31/2012	P.M.	60 Mil.	TPO	4012139 0103	9.5	105.0	997.5	10,488.0
765	9/1/2012	A.M.	60 Mil.	TPO	4012139 2306	9.5	26.0	247.0	10,735.0
766	9/1/2012	A.M.	60 Mil.	TPO	4012139 2106	9.5	29.0	275.5	11,010.5
767	9/1/2012	A.M.	60 Mil.	TPO	4012139 2405	9.5	31.0	294.5	11,305.0
768	9/1/2012	A.M.	60 Mil.	TPO	4012139 2405	9.5	39.0	370.5	11,675.5
769	9/1/2012	A.M.	60 Mil.	TPO	4012139 2306	9.5	41.0	389.5	12,065.0
770	9/1/2012	A.M.	60 Mil.	TPO	4012139 2405	9.5	44.0	418.0	12,483.0
771	9/1/2012	A.M.	60 Mil.	TPO	4012140 0304	9.5	27.0	256.5	12,739.5
772	9/1/2012	A.M.	60 Mil.	TPO	4012139 2405	9.5	25.0	237.5	12,977.0
773	9/1/2012	A.M.	60 Mil.	TPO	4012140 0304	9.5	54.0	513.0	13,490.0
774	9/1/2012	A.M.	60 Mil.	TPO	4012140 0304	9.5	57.0	541.5	14,031.5
775	9/1/2012	P.M.	60 Mil.	TPO	4012140 0901	9.5	139.0	1320.5	15,352.0
776	9/1/2012	P.M.	60 Mil.	TPO	4012140 0901	9.5	41.0	389.5	15,741.5
777	9/1/2012	P.M.	60 Mil.	TPO	4012139 1906	9.5	98.0	931.0	16,672.5
778	9/1/2012	P.M.	60 Mil.	TPO	4012139 1906	9.5	90.0	855.0	17,527.5
779	9/1/2012	P.M.	60 Mil.	TPO	4012139 1910	9.5	52.0	494.0	18,021.5
780	9/1/2012	P.M.	60 Mil.	TPO	4012139 1910	9.5	96.0	912.0	18,933.5
781	9/1/2012	P.M.	60 Mil.	TPO	4012139 1802	9.5	86.0	817.0	19,750.5
782	9/1/2012	P.M.	60 Mil.	TPO	4012139 1802	9.5	76.0	722.0	20,472.5
783	9/1/2012	P.M.	60 Mil.	TPO	4012139 2305	9.5	137.0	1301.5	21,774.0
784	9/1/2012	P.M.	60 Mil.	TPO	4012139 1810	9.5	137.0	1301.5	23,075.5
785	9/1/2012	P.M.	60 Mil.	TPO	4012139 1810	9.5	49.0	465.5	23,541.0
786	9/1/2012	P.M.	60 Mil.	TPO	4012139 2305	9.5	54.0	513.0	24,054.0
787	9/1/2012	P.M.	60 Mil.	TPO	4012139 2006	9.5	28.0	266.0	24,320.0
788	9/3/2012	A.M.	60 Mil.	TPO	4012139 0707	9.5	82.0	779.0	25,099.0
789	9/3/2012	A.M.	60 Mil.	TPO	4012139 1803	9.5	82.0	779.0	25,878.0
790	9/3/2012	A.M.	60 Mil.	TPO	4012139 2006	9.5	56.0	532.0	26,410.0
791	9/3/2012	A.M.	60 Mil.	TPO	4012139 1803	9.5	15.0	142.5	26,552.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 29

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
792	9/3/2012	A.M.	60 Mil.	TPO	4012139 1803	9.5	33.0	313.5	313.5
793	9/3/2012	A.M.	60 Mil.	TPO	4012139 1911	9.5	33.0	313.5	627.0
794	9/3/2012	A.M.	60 Mil.	TPO	4012139 1911	9.5	25.0	237.5	864.5
795	9/3/2012	A.M.	60 Mil.	TPO	4012139 1911	9.5	110.0	1045.0	1,909.5
796	9/3/2012	A.M.	60 Mil.	TPO	4012139 2707	9.5	27.0	256.5	2,166.0
797	9/3/2012	A.M.	60 Mil.	TPO	4012139 2707	9.5	138.0	1311.0	3,477.0
798	9/3/2012	P.M.	60 Mil.	TPO	4012139 2005	9.5	120.0	1140.0	4,617.0
799	9/3/2012	P.M.	60 Mil.	TPO	4012139 2001	9.5	110.0	1045.0	5,662.0
800	9/3/2012	P.M.	60 Mil.	TPO	4012139 2002	9.5	99.0	940.5	6,602.5
801	9/3/2012	P.M.	60 Mil.	TPO	4012139 2002	9.5	67.0	636.5	7,239.0
802	9/3/2012	P.M.	60 Mil.	TPO	4012139 2001	9.5	56.0	532.0	7,771.0
803	9/3/2012	P.M.	60 Mil.	TPO	4012139 2006	9.5	54.0	513.0	8,284.0
804	9/3/2012	P.M.	60 Mil.	TPO	4012139 1803	9.5	16.0	152.0	8,436.0
805	9/3/2012	P.M.	60 Mil.	TPO	4012139 2006	9.5	7.0	66.5	8,502.5
806	9/3/2012	P.M.	60 Mil.	TPO	4012139 2006	11.0	7.0	77.0	8,579.5
40	9/4/2012	P.M.	60 Mil.	HD Texture	203 575	22.5	179.0	4027.5	12,607.0
41	9/4/2012	P.M.	60 Mil.	HD Texture	203 575	22.5	179.0	4027.5	16,634.5
42	9/4/2012	P.M.	60 Mil.	HD Texture	311 732	22.5	159.0	3577.5	20,212.0
43	9/4/2012	P.M.	60 Mil.	HD Texture	311 732	22.5	137.0	3082.5	23,294.5
44	9/4/2012	P.M.	60 Mil.	HD Texture	311 732	22.5	114.0	2565.0	25,859.5
45	9/4/2012	P.M.	60 Mil.	HD Texture	203 575	22.5	94.0	2115.0	27,974.5
46	9/4/2012	P.M.	60 Mil.	HD Texture	203 579	22.5	74.0	1665.0	29,639.5
47	9/4/2012	P.M.	60 Mil.	HD Texture	203 568	22.5	54.0	1215.0	30,854.5
807	9/5/2012	A.M.	60 Mil.	TPO	4012139 1806	9.5	10.0	95.0	30,949.5
808	9/5/2012	A.M.	60 Mil.	TPO	4012139 1806	9.5	11.0	104.5	31,054.0
809	9/5/2012	A.M.	60 Mil.	TPO	4012139 1806	9.5	13.0	123.5	31,177.5
810	9/5/2012	A.M.	60 Mil.	TPO	4012139 1806	9.5	14.0	133.0	31,310.5
811	9/5/2012	A.M.	60 Mil.	TPO	4012139 1806	9.5	16.0	152.0	31,462.5
812	9/5/2012	A.M.	60 Mil.	TPO	4012139 1806	9.5	18.0	171.0	31,633.5
813	9/5/2012	A.M.	60 Mil.	TPO	4012139 1806	9.5	19.0	180.5	31,814.0
814	9/5/2012	A.M.	60 Mil.	TPO	4012139 1807	9.5	20.0	190.0	32,004.0
815	9/5/2012	A.M.	60 Mil.	TPO	4012139 1807	9.5	22.0	209.0	32,213.0
816	9/5/2012	A.M.	60 Mil.	TPO	4012139 1807	9.5	23.0	218.5	32,431.5
817	9/5/2012	A.M.	60 Mil.	TPO	4012139 1807	9.5	25.0	237.5	32,669.0
818	9/5/2012	A.M.	60 Mil.	TPO	4012139 1807	9.5	27.0	256.5	32,925.5
819	9/5/2012	A.M.	60 Mil.	TPO	4012139 2003	9.5	28.0	266.0	33,191.5
820	9/5/2012	A.M.	60 Mil.	TPO	4012139 2003	9.5	30.0	285.0	33,476.5
821	9/5/2012	A.M.	60 Mil.	TPO	4012139 2003	9.5	32.0	304.0	33,780.5
822	9/5/2012	A.M.	60 Mil.	TPO	4012139 2003	9.5	34.0	323.0	34,103.5
823	9/5/2012	A.M.	60 Mil.	TPO	4012139 2004	9.5	35.0	332.5	34,436.0
824	9/5/2012	A.M.	60 Mil.	TPO	4012139 2004	9.5	37.0	351.5	34,787.5
825	9/5/2012	A.M.	60 Mil.	TPO	4012139 2004	9.5	39.0	370.5	35,158.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 30

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
826	9/5/2012	A.M.	60 Mil.	TPO	4012139 1806	9.5	3.0	28.5	28.5
827	9/5/2012	A.M.	60 Mil.	TPO	4012139 2004	9.5	38.0	361.0	389.5
828	9/5/2012	A.M.	60 Mil.	TPO	4012139 1907	9.5	42.0	399.0	788.5
829	9/5/2012	A.M.	60 Mil.	TPO	4012139 1907	9.5	26.0	247.0	1,035.5
830	9/5/2012	A.M.	60 Mil.	TPO	4012139 1907	9.5	24.0	228.0	1,263.5
831	9/5/2012	A.M.	60 Mil.	TPO	4012139 1907	9.5	23.0	218.5	1,482.0
832	9/5/2012	A.M.	60 Mil.	TPO	4012139 1907	9.5	22.0	209.0	1,691.0
833	9/5/2012	A.M.	60 Mil.	TPO	4012139 1808	9.5	22.0	209.0	1,900.0
834	9/5/2012	A.M.	60 Mil.	TPO	4012139 1808	9.5	22.0	209.0	2,109.0
835	9/5/2012	A.M.	60 Mil.	TPO	4012139 1808	9.5	19.0	180.5	2,289.5
836	9/5/2012	A.M.	60 Mil.	TPO	4012139 2003	9.5	17.0	161.5	2,451.0
837	9/5/2012	A.M.	60 Mil.	TPO	4012139 1808	9.5	17.0	161.5	2,612.5
838	9/5/2012	A.M.	60 Mil.	TPO	4012139 1808	9.5	16.0	152.0	2,764.5
839	9/5/2012	A.M.	60 Mil.	TPO	4012139 1807	9.5	15.0	142.5	2,907.0
840	9/5/2012	A.M.	60 Mil.	TPO	4012139 1808	9.5	14.0	133.0	3,040.0
841	9/6/2012	P.M.	60 Mil.	TPO	4012139 2008	9.5	21.0	199.5	3,239.5
842	9/6/2012	P.M.	60 Mil.	TPO	4012139 2008	9.5	21.0	199.5	3,439.0
843	9/6/2012	P.M.	60 Mil.	TPO	4012139 2008	9.5	21.0	199.5	3,638.5
844	9/6/2012	P.M.	60 Mil.	TPO	4012139 2008	9.5	21.0	199.5	3,838.0
845	9/6/2012	P.M.	60 Mil.	TPO	4012139 2008	9.5	21.0	199.5	4,037.5
846	9/6/2012	P.M.	60 Mil.	TPO	4012139 2008	9.5	22.0	209.0	4,246.5
847	9/6/2012	P.M.	60 Mil.	TPO	4012139 2008	9.5	22.0	209.0	4,455.5
848	9/6/2012	P.M.	60 Mil.	TPO	4012139 1808	9.5	23.0	218.5	4,674.0
849	9/6/2012	P.M.	60 Mil.	TPO	4012139 1808	9.5	25.0	237.5	4,911.5
850	9/6/2012	P.M.	60 Mil.	TPO	4012139 1808	9.5	26.0	247.0	5,158.5
851	9/6/2012	P.M.	60 Mil.	TPO	4012140 0310	9.5	27.0	256.5	5,415.0
852	9/6/2012	P.M.	60 Mil.	TPO	4012140 0310	9.5	24.0	228.0	5,643.0
853	9/6/2012	P.M.	60 Mil.	TPO	4012140 0310	9.5	24.0	228.0	5,871.0
854	9/6/2012	P.M.	60 Mil.	TPO	4012140 0310	9.5	24.0	228.0	6,099.0
855	9/6/2012	P.M.	60 Mil.	TPO	4012140 1502	9.5	23.0	218.5	6,317.5
856	9/6/2012	P.M.	60 Mil.	TPO	4012140 1802	9.5	24.0	228.0	6,545.5
857	9/6/2012	P.M.	60 Mil.	TPO	4012140 1802	9.5	26.0	247.0	6,792.5
858	9/6/2012	P.M.	60 Mil.	TPO	4012140 1802	9.5	27.0	256.5	7,049.0
859	9/6/2012	P.M.	60 Mil.	TPO	4012140 1802	9.5	28.0	266.0	7,315.0
860	9/6/2012	P.M.	60 Mil.	TPO	4012140 1802	9.5	29.0	275.5	7,590.5
861	9/6/2012	P.M.	60 Mil.	TPO	4012140 1708	9.5	31.0	294.5	7,885.0
862	9/6/2012	P.M.	60 Mil.	TPO	4012140 1708	9.5	33.0	313.5	8,198.5
863	9/6/2012	P.M.	60 Mil.	TPO	4012140 1708	9.5	34.0	323.0	8,521.5
864	9/6/2012	P.M.	60 Mil.	TPO	4012140 1708	9.5	34.0	323.0	8,844.5
865	9/6/2012	P.M.	60 Mil.	TPO	4012139 1110	9.5	35.0	332.5	9,177.0
866	9/6/2012	P.M.	60 Mil.	TPO	4012139 1110	9.5	36.0	342.0	9,519.0
867	9/6/2012	P.M.	60 Mil.	TPO	4012139 1110	9.5	32.0	304.0	9,823.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 31

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
868	9/6/2012	P.M.	60 Mil.	TPO	4012139 1110	9.5	32.0	304.0	304.0
869	9/6/2012	P.M.	60 Mil.	TPO	4012140 1903	9.5	31.0	294.5	598.5
870	9/6/2012	P.M.	60 Mil.	TPO	4012140 1903	9.5	31.0	294.5	893.0
871	9/6/2012	P.M.	60 Mil.	TPO	4012139 1110	9.5	14.0	133.0	1,026.0
872	9/6/2012	P.M.	60 Mil.	TPO	4012140 0310	9.5	15.0	142.5	1,168.5
873	9/7/2012	A.M.	60 Mil.	TPO	4012140 1903	9.5	32.0	304.0	1,472.5
874	9/7/2012	A.M.	60 Mil.	TPO	4012140 1903	9.5	32.0	304.0	1,776.5
875	9/7/2012	A.M.	60 Mil.	TPO	4012140 1903	9.5	32.0	304.0	2,080.5
876	9/7/2012	A.M.	60 Mil.	TPO	4012140 1809	9.5	33.0	313.5	2,394.0
877	9/7/2012	A.M.	60 Mil.	TPO	4012140 1809	9.5	33.0	313.5	2,707.5
878	9/7/2012	A.M.	60 Mil.	TPO	4012140 1809	9.5	33.0	313.5	3,021.0
879	9/7/2012	A.M.	60 Mil.	TPO	4012140 1809	9.5	33.0	313.5	3,334.5
880	9/7/2012	A.M.	60 Mil.	TPO	4012140 1809	9.5	32.0	304.0	3,638.5
881	9/7/2012	A.M.	60 Mil.	TPO	4012140 1807	9.5	33.0	313.5	3,952.0
882	9/7/2012	A.M.	60 Mil.	TPO	4012140 1807	9.5	34.0	323.0	4,275.0
883	9/7/2012	A.M.	60 Mil.	TPO	4012140 1807	9.5	34.0	323.0	4,598.0
884	9/7/2012	A.M.	60 Mil.	TPO	4012140 1807	9.5	32.0	304.0	4,902.0
885	9/7/2012	A.M.	60 Mil.	TPO	4012140 1807	9.5	31.0	294.5	5,196.5
886	9/7/2012	A.M.	60 Mil.	TPO	4012140 1607	9.5	33.0	313.5	5,510.0
887	9/7/2012	A.M.	60 Mil.	TPO	4012140 1607	9.5	33.0	313.5	5,823.5
888	9/7/2012	A.M.	60 Mil.	TPO	4012140 1607	9.5	33.0	313.5	6,137.0
889	9/7/2012	A.M.	60 Mil.	TPO	4012140 1607	9.5	32.0	304.0	6,441.0
890	9/7/2012	A.M.	60 Mil.	TPO	4012140 1607	9.5	32.0	304.0	6,745.0
891	9/7/2012	A.M.	60 Mil.	TPO	4012140 1802	9.5	33.0	313.5	7,058.5
892	9/7/2012	A.M.	60 Mil.	TPO	4012140 1802	9.5	32.0	304.0	7,362.5
893	9/7/2012	A.M.	60 Mil.	TPO	4012140 1802	9.5	32.0	304.0	7,666.5
894	9/7/2012	A.M.	60 Mil.	TPO	4012140 1802	9.5	32.0	304.0	7,970.5
895	9/7/2012	A.M.	60 Mil.	TPO	4012140 1802	9.5	32.0	304.0	8,274.5
896	9/7/2012	A.M.	60 Mil.	TPO	4012140 2002	9.5	32.0	304.0	8,578.5
897	9/7/2012	A.M.	60 Mil.	TPO	4012140 2002	9.5	33.0	313.5	8,892.0
898	9/7/2012	A.M.	60 Mil.	TPO	4012140 2002	9.5	32.0	304.0	9,196.0
899	9/7/2012	P.M.	60 Mil.	TPO	4012140 2002	9.5	31.0	294.5	9,490.5
900	9/7/2012	P.M.	60 Mil.	TPO	4012140 2002	9.5	32.0	304.0	9,794.5
901	9/7/2012	P.M.	60 Mil.	TPO	4012140 1804	9.5	35.0	332.5	10,127.0
902	9/7/2012	P.M.	60 Mil.	TPO	4012140 1804	9.5	35.0	332.5	10,459.5
903	9/7/2012	P.M.	60 Mil.	TPO	4012140 1810	9.5	34.0	323.0	10,782.5
904	9/7/2012	P.M.	60 Mil.	TPO	4012140 1804	9.5	32.0	304.0	11,086.5
905	9/7/2012	P.M.	60 Mil.	TPO	4012140 1810	9.5	29.0	275.5	11,362.0
906	9/7/2012	P.M.	60 Mil.	TPO	4012140 1810	9.5	24.0	228.0	11,590.0
907	9/7/2012	P.M.	60 Mil.	TPO	4012140 1804	9.5	20.0	190.0	11,780.0
908	9/7/2012	P.M.	60 Mil.	TPO	4012140 1810	9.5	16.0	152.0	11,932.0
909	9/7/2012	P.M.	60 Mil.	TPO	4012140 1810	9.5	14.0	133.0	12,065.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 32

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
347	9/8/2012	A.M.	40 Mil.	LD Texture	301 543	22.5	103.0	2317.5	2,317.5
348	9/8/2012	A.M.	40 Mil.	LD Texture	301 543	18	104.0	1872.0	4,189.5
910	9/10/2012	P.M.	60 Mil.	TPO	4012140 2001	9.5	11.0	104.5	4,294.0
911	9/10/2012	P.M.	60 Mil.	TPO	4012140 2001	9.5	12.0	114.0	4,408.0
912	9/10/2012	P.M.	60 Mil.	TPO	4012140 2001	9.5	13.0	123.5	4,531.5
913	9/10/2012	P.M.	60 Mil.	TPO	4012140 2001	9.5	16.0	152.0	4,683.5
914	9/10/2012	P.M.	60 Mil.	TPO	4012140 2001	9.5	19.0	180.5	4,864.0
915	9/10/2012	P.M.	60 Mil.	TPO	4012140 2001	9.5	14.0	133.0	4,997.0
916	9/10/2012	P.M.	60 Mil.	TPO	4012140 2001	9.5	8.0	76.0	5,073.0
917	9/10/2012	P.M.	60 Mil.	TPO	4012140 2001	9.5	46.0	437.0	5,510.0
918	9/10/2012	P.M.	60 Mil.	TPO	4012140 1808	9.5	201.0	1909.5	7,419.5
919	9/10/2012	P.M.	60 Mil.	TPO	4012140 1608	9.5	194.0	1843.0	9,262.5
920	9/10/2012	P.M.	60 Mil.	TPO	4012140 1805	9.5	56.0	532.0	9,794.5
921	9/10/2012	P.M.	60 Mil.	TPO	4012140 1805	9.5	141.0	1339.5	11,134.0
922	9/10/2012	P.M.	60 Mil.	TPO	4012140 1610	9.5	117.0	1111.5	12,245.5
923	9/10/2012	P.M.	60 Mil.	TPO	4012140 1610	9.5	84.0	798.0	13,043.5
924	9/10/2012	P.M.	60 Mil.	TPO	4012140 1604	9.5	52.0	494.0	13,537.5
925	9/10/2012	P.M.	60 Mil.	TPO	4012140 1603	9.5	135.0	1282.5	14,820.0
926	9/10/2012	P.M.	60 Mil.	TPO	4012140 1811	8.5	136.0	1156.0	15,976.0
927	9/10/2012	P.M.	60 Mil.	TPO	4012140 1811	9.5	26.0	247.0	16,223.0
928	9/10/2012	P.M.	60 Mil.	TPO	4012140 1811	9.5	23.0	218.5	16,441.5
929	9/10/2012	P.M.	60 Mil.	TPO	4012140 1704	9.5	23.0	218.5	16,660.0
930	9/10/2012	P.M.	60 Mil.	TPO	4012140 1704	9.5	23.0	218.5	16,878.5
931	9/11/2012	A.M.	60 Mil.	TPO	4012140 1704	9.5	10.0	95.0	16,973.5
932	9/11/2012	A.M.	60 Mil.	TPO	4012140 1704	9.5	7.0	66.5	17,040.0
933	9/11/2012	A.M.	60 Mil.	TPO	4012140 1704	9.5	5.0	47.5	17,087.5
934	9/11/2012	A.M.	60 Mil.	TPO	4012140 1704	9.5	3.0	28.5	17,116.0
935	9/11/2012	A.M.	60 Mil.	TPO	4012140 1704	9.5	1.0	9.5	17,125.5
936	9/11/2012	A.M.	60 Mil.	TPO	4012140 1704	9.5	19.0	180.5	17,306.0
937	9/11/2012	A.M.	60 Mil.	TPO	4012140 1609	9.5	16.0	152.0	17,458.0
938	9/11/2012	A.M.	60 Mil.	TPO	4012140 1609	9.5	14.0	133.0	17,591.0
939	9/11/2012	A.M.	60 Mil.	TPO	4012140 1609	9.5	12.0	114.0	17,705.0
940	9/11/2012	A.M.	60 Mil.	TPO	4012140 1609	9.5	10.0	95.0	17,800.0
941	9/11/2012	A.M.	60 Mil.	TPO	4012140 1609	9.5	9.0	85.5	17,885.5
942	9/11/2012	A.M.	60 Mil.	TPO	4012140 1609	9.5	8.0	76.0	17,961.5
943	9/11/2012	A.M.	60 Mil.	TPO	4012140 1609	9.5	6.0	57.0	18,018.5
944	9/11/2012	A.M.	60 Mil.	TPO	4012140 1609	9.5	5.0	47.5	18,066.0
945	9/11/2012	A.M.	60 Mil.	TPO	4012140 1609	9.5	2.0	19.0	18,085.0
946	9/11/2012	P.M.	60 Mil.	TPO	4012140 0908	9.5	200.0	1900.0	19,985.0
947	9/11/2012	P.M.	60 Mil.	TPO	4012140 0909	9.5	200.0	1900.0	21,885.0
948	9/11/2012	P.M.	60 Mil.	TPO	4012140 0809	9.5	198.0	1881.0	23,766.0
949	9/11/2012	P.M.	60 Mil.	TPO	4012140 0702	9.5	197.0	1871.5	25,637.5

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 33

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
950	9/11/2012	P.M.	60 Mil.	TPO	4012140 0808	9.5	150.0	1425.0	1,425.0
951	9/12/2012	A.M.	60 Mil.	TPO	4012140 1401	9.5	31.0	294.5	1,719.5
952	9/12/2012	A.M.	60 Mil.	TPO	4012140 1401	9.5	31.0	294.5	2,014.0
953	9/12/2012	A.M.	60 Mil.	TPO	4012140 1401	9.5	30.0	285.0	2,299.0
954	9/12/2012	A.M.	60 Mil.	TPO	4012140 1401	9.5	30.0	285.0	2,584.0
955	9/12/2012	A.M.	60 Mil.	TPO	4012140 1401	9.5	31.0	294.5	2,878.5
956	9/12/2012	A.M.	60 Mil.	TPO	4012140 0807	9.5	31.0	294.5	3,173.0
957	9/12/2012	A.M.	60 Mil.	TPO	4012140 0807	9.5	30.0	285.0	3,458.0
958	9/12/2012	A.M.	60 Mil.	TPO	4012140 0807	9.5	31.0	294.5	3,752.5
959	9/12/2012	A.M.	60 Mil.	TPO	4012140 0807	9.5	32.0	304.0	4,056.5
960	9/12/2012	A.M.	60 Mil.	TPO	4012140 0807	9.5	27.0	256.5	4,313.0
961	9/12/2012	A.M.	60 Mil.	TPO	4012140 0703	9.5	19.0	180.5	4,493.5
962	9/12/2012	A.M.	60 Mil.	TPO	4012140 0703	9.5	17.0	161.5	4,655.0
963	9/12/2012	A.M.	60 Mil.	TPO	4012140 0703	9.5	30.0	285.0	4,940.0
964	9/12/2012	A.M.	60 Mil.	TPO	4012140 0703	9.5	30.0	285.0	5,225.0
965	9/12/2012	A.M.	60 Mil.	TPO	4012140 0703	9.5	30.0	285.0	5,510.0
966	9/12/2012	A.M.	60 Mil.	TPO	4012140 0703	9.5	30.0	285.0	5,795.0
967	9/12/2012	A.M.	60 Mil.	TPO	4012140 1806	9.5	30.0	285.0	6,080.0
968	9/12/2012	A.M.	60 Mil.	TPO	4012140 1806	9.5	30.0	285.0	6,365.0
969	9/12/2012	A.M.	60 Mil.	TPO	4012140 1806	9.5	30.0	285.0	6,650.0
970	9/12/2012	A.M.	60 Mil.	TPO	4012140 1806	9.5	30.0	285.0	6,935.0
971	9/12/2012	A.M.	60 Mil.	TPO	4012140 1806	9.5	30.0	285.0	7,220.0
972	9/12/2012	A.M.	60 Mil.	TPO	4012140 1606	9.5	31.0	294.5	7,514.5
973	9/12/2012	A.M.	60 Mil.	TPO	4012140 1606	9.5	31.0	294.5	7,809.0
974	9/12/2012	A.M.	60 Mil.	TPO	4012140 1606	9.5	31.0	294.5	8,103.5
975	9/12/2012	A.M.	60 Mil.	TPO	4012140 1606	9.5	31.0	294.5	8,398.0
976	9/12/2012	A.M.	60 Mil.	TPO	4012140 1606	9.5	31.0	294.5	8,692.5
977	9/12/2012	A.M.	60 Mil.	TPO	4012140 1404	9.5	31.0	294.5	8,987.0
978	9/12/2012	A.M.	60 Mil.	TPO	4012140 1404	9.5	30.0	285.0	9,272.0
979	9/12/2012	A.M.	60 Mil.	TPO	4012140 1404	9.5	30.0	285.0	9,557.0
980	9/12/2012	A.M.	60 Mil.	TPO	4012140 1404	9.5	31.0	294.5	9,851.5
981	9/12/2012	A.M.	60 Mil.	TPO	4012140 1404	9.5	31.0	294.5	10,146.0
982	9/12/2012	A.M.	60 Mil.	TPO	4012140 0903	9.5	31.0	294.5	10,440.5
983	9/12/2012	A.M.	60 Mil.	TPO	4012140 0903	9.5	30.0	285.0	10,725.5
984	9/12/2012	A.M.	60 Mil.	TPO	4012140 0903	9.5	30.0	285.0	11,010.5
985	9/12/2012	A.M.	60 Mil.	TPO	4012140 0903	9.5	30.0	285.0	11,295.5
986	9/12/2012	A.M.	60 Mil.	TPO	4012140 0903	9.5	30.0	285.0	11,580.5
987	9/12/2012	A.M.	60 Mil.	TPO	4012140 0905	9.5	29.0	275.5	11,856.0
988	9/12/2012	A.M.	60 Mil.	TPO	4012140 0905	9.5	29.0	275.5	12,131.5
989	9/12/2012	A.M.	60 Mil.	TPO	4012140 0905	9.5	29.0	275.5	12,407.0
990	9/12/2012	A.M.	60 Mil.	TPO	4012140 0905	9.5	30.0	285.0	12,692.0
991	9/12/2012	A.M.	60 Mil.	TPO	4012140 0905	9.5	30.0	285.0	12,977.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 34

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
992	9/12/2012	A.M.	60 Mil.	TPO	4012140 0906	9.5	30.0	285.0	285.0
993	9/12/2012	A.M.	60 Mil.	TPO	4012140 0906	9.5	30.0	285.0	570.0
994	9/12/2012	P.M.	60 Mil.	TPO	4012140 0906	9.5	30.0	285.0	855.0
995	9/12/2012	P.M.	60 Mil.	TPO	4012140 0906	9.5	31.0	294.5	1,149.5
996	9/12/2012	P.M.	60 Mil.	TPO	4012140 0906	9.5	31.0	294.5	1,444.0
997	9/12/2012	P.M.	60 Mil.	TPO	4012140 1701	9.5	31.0	294.5	1,738.5
998	9/12/2012	P.M.	60 Mil.	TPO	4012140 1701	9.5	31.0	294.5	2,033.0
999	9/12/2012	P.M.	60 Mil.	TPO	4012140 1701	9.5	31.0	294.5	2,327.5
1000	9/12/2012	P.M.	60 Mil.	TPO	4012140 1701	9.5	31.0	294.5	2,622.0
1001	9/12/2012	P.M.	60 Mil.	TPO	4012140 1701	9.5	31.0	294.5	2,916.5
1002	9/12/2012	P.M.	60 Mil.	TPO	4012140 0904	9.5	31.0	294.5	3,211.0
1003	9/12/2012	P.M.	60 Mil.	TPO	4012140 0904	9.5	31.0	294.5	3,505.5
1004	9/12/2012	P.M.	60 Mil.	TPO	4012140 0904	9.5	31.0	294.5	3,800.0
1005	9/12/2012	P.M.	60 Mil.	TPO	4012140 0904	9.5	31.0	294.5	4,094.5
1006	9/12/2012	P.M.	60 Mil.	TPO	4012140 0904	9.5	30.0	285.0	4,379.5
1007	9/12/2012	P.M.	60 Mil.	TPO	4012140 1509	9.5	30.0	285.0	4,664.5
1008	9/12/2012	P.M.	60 Mil.	TPO	4012140 1509	9.5	30.0	285.0	4,949.5
1009	9/12/2012	P.M.	60 Mil.	TPO	4012140 1509	9.5	30.0	285.0	5,234.5
1010	9/12/2012	P.M.	60 Mil.	TPO	4012140 1509	9.5	30.0	285.0	5,519.5
1011	9/12/2012	P.M.	60 Mil.	TPO	4012140 1509	9.5	30.0	285.0	5,804.5
1012	9/12/2012	P.M.	60 Mil.	TPO	4012140 1510	9.5	30.0	285.0	6,089.5
1013	9/12/2012	P.M.	60 Mil.	TPO	4012140 1510	9.5	29.0	275.5	6,365.0
1014	9/12/2012	P.M.	60 Mil.	TPO	4012140 1510	9.5	29.0	275.5	6,640.5
1015	9/12/2012	P.M.	60 Mil.	TPO	4012140 1510	9.5	30.0	285.0	6,925.5
1016	9/12/2012	P.M.	60 Mil.	TPO	4012140 1510	9.5	30.0	285.0	7,210.5
1017	9/12/2012	P.M.	60 Mil.	TPO	4012140 2003	9.5	29.0	275.5	7,486.0
1018	9/12/2012	P.M.	60 Mil.	TPO	4012140 2003	9.5	29.0	275.5	7,761.5
1019	9/12/2012	P.M.	60 Mil.	TPO	4012140 2003	9.5	29.0	275.5	8,037.0
1020	9/12/2012	P.M.	60 Mil.	TPO	4012140 2003	9.5	42.0	399.0	8,436.0
1021	9/12/2012	P.M.	60 Mil.	TPO	4012140 2003	9.5	10.0	95.0	8,531.0
1022	9/12/2012	P.M.	60 Mil.	TPO	4012140 0808	9.5	32.0	304.0	8,835.0
1023	9/12/2012	P.M.	60 Mil.	TPO	4012140 0810	9.5	42.0	399.0	9,234.0
1024	9/13/2012	A.M.	60 Mil.	TPO	4012140 1403	10.0	198.0	1980.0	11,214.0
1025	9/13/2012	A.M.	60 Mil.	TPO	4012140 1605	9.5	198.0	1881.0	13,095.0
1026	9/13/2012	A.M.	60 Mil.	TPO	4012140 1611	10.0	198.0	1980.0	15,075.0
1027	9/13/2012	A.M.	60 Mil.	TPO	4012140 1911	9.5	131.0	1244.5	16319.50
1028	9/13/2012	A.M.	60 Mil.	TPO	4012140 0810	10.0	130.0	1300.0	17,619.5
1029	9/13/2012	A.M.	60 Mil.	TPO	4012139 1702	9.5	65.0	617.5	18,237.0
1030	9/13/2012	A.M.	60 Mil.	TPO	4012140 1911	9.5	66.0	627.0	18,864.0
1031	9/13/2012	P.M.	60 Mil.	TPO	4012139 1702	9.5	54.0	513.0	19,377.0
1032	9/13/2012	P.M.	60 Mil.	TPO	4012139 1702	9.5	54.0	513.0	19,890.0
1033	9/13/2012	P.M.	60 Mil.	TPO	4012140 1405	9.5	76.0	722.0	20,612.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 35

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
1034	9/13/2012	P.M.	60 Mil.	TPO	4012140 1405	9.5	76.0	722.0	722.0
1035	9/13/2012	P.M.	60 Mil.	TPO	4012140 1709	9.5	122.0	1159.0	1,881.0
1036	9/13/2012	P.M.	60 Mil.	TPO	4012140 1703	9.5	80.0	760.0	2,641.0
1037	9/13/2012	P.M.	60 Mil.	TPO	4012140 1702	9.5	80.0	760.0	3,401.0
1038	9/13/2012	P.M.	60 Mil.	TPO	4012140 1406	9.5	70.0	665.0	4,066.0
1039	9/13/2012	P.M.	60 Mil.	TPO	4012140 1609	9.0	33.0	297.0	4,363.0
1040	9/13/2012	P.M.	60 Mil.	TPO	4012140 1709	8.0	23.0	184.0	4,547.0
48	9/13/2012	P.M.	60 Mil.	HD Texture	203 568	22.5	15.0	337.5	4,884.5
1041	9/14/2012	P.M.	60 Mil.	TPO	4012139 1707	9.5	136.0	1292.0	6,176.5
1042	9/14/2012	P.M.	60 Mil.	TPO	4012140 1908	9.5	137.0	1301.5	7,478.0
1043	9/14/2012	P.M.	60 Mil.	TPO	4012140 1406	9.5	92.0	874.0	8,352.0
1044	9/14/2012	P.M.	60 Mil.	TPO	4012140 1908	9.5	45.0	427.5	8,779.5
1045	9/14/2012	P.M.	60 Mil.	TPO	4012140 1803	9.5	112.0	1064.0	9,843.5
1046	9/14/2012	P.M.	60 Mil.	TPO	4012140 1511	9.5	101.0	959.5	10,803.0
1047	9/14/2012	P.M.	60 Mil.	TPO	4012140 1511	9.5	60.0	570.0	11,373.0
1048	9/14/2012	P.M.	60 Mil.	TPO	4012140 1402	9.5	90.0	855.0	12,228.0
1049	9/14/2012	P.M.	60 Mil.	TPO	4012140 1803	9.5	49.0	465.5	12,693.5
1050	9/14/2012	P.M.	60 Mil.	TPO	4012140 1402	9.5	39.0	370.5	13,064.0
1051	9/14/2012	P.M.	60 Mil.	TPO	4012140 1909	9.5	32.0	304.0	13,368.0
1052	9/14/2012	P.M.	60 Mil.	TPO	4012139 1707	9.5	23.0	218.5	13,586.5
1053	9/14/2012	P.M.	60 Mil.	TPO	4012140 2003	9.5	13.0	123.5	13,710.0
1054	9/14/2012	P.M.	60 Mil.	TPO	4012140 1904	9.5	4.0	38.0	13,748.0
1055	9/14/2012	P.M.	60 Mil.	TPO	4012140 1609	9.0	26.0	234.0	13,982.0
1056	9/19/2012	A.M.	60 Mil.	TPO	4012139 1610	10.0	44.0	440.0	14,422.0
1057	9/19/2012	A.M.	60 Mil.	TPO	4012140 1804	10.0	18.0	180.0	14,602.0
1058	9/19/2012	A.M.	60 Mil.	TPO	4012140 2003	10.0	15.0	150.0	14,752.0
1059	9/24/2012	P.M.	60 Mil.	TPO	4012139 0611	9.5	14.0	133.0	14,885.0
1060	9/24/2012	P.M.	60 Mil.	TPO	4012139 0611	7.5	15.0	112.5	14,997.5
1061	9/24/2012	P.M.	60 Mil.	TPO	4012139 0611	7.0	15.0	105.0	15,102.5
1062	9/24/2012	P.M.	60 Mil.	TPO	4012139 0611	7.0	14.0	98.0	15,200.5
1063	9/24/2012	P.M.	60 Mil.	TPO	4012139 0611	5.0	14.0	70.0	15,270.5
1064	9/24/2012	P.M.	60 Mil.	TPO	4012139 0611	9.5	16.0	152.0	15,422.5
1065	9/24/2012	P.M.	60 Mil.	TPO	4012139 0611	9.5	10.0	95.0	15,517.5
1066	9/24/2012	P.M.	60 Mil.	TPO	4012140 1601	9.0	8.0	72.0	15,589.5
1067	9/24/2012	P.M.	60 Mil.	TPO	4012140 1601	7.0	17.0	119.0	15,708.5
1068	9/24/2012	P.M.	60 Mil.	TPO	4012140 1601	9.5	17.0	161.5	15,870.0
1069	9/24/2012	P.M.	60 Mil.	TPO	4012140 1601	9.5	16.0	152.0	16,022.0
1070	9/24/2012	P.M.	60 Mil.	TPO	4012140 1601	9.5	16.0	152.0	16,174.0
1071	9/24/2012	P.M.	60 Mil.	TPO	4012140 1601	9.5	7.0	66.5	16,240.5
1072	9/24/2012	P.M.	60 Mil.	TPO	4012140 2004	9.5	8.0	76.0	16,316.5
1073	9/24/2012	P.M.	60 Mil.	TPO	4012140 2004	9.5	16.0	152.0	16,468.5
1074	9/24/2012	P.M.	60 Mil.	TPO	4012140 2004	9.5	17.0	161.5	16,630.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 36

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
1075	9/24/2012	P.M.	60 Mil.	TPO	4012140 2004	9.5	17.0	161.5	161.5
1076	9/24/2012	P.M.	60 Mil.	TPO	4012140 2004	9.5	17.0	161.5	323.0
1077	9/24/2012	P.M.	60 Mil.	TPO	4012140 2004	9.5	10.0	95.0	418.0
1078	9/24/2012	P.M.	60 Mil.	TPO	4012139 1601	9.5	6.0	57.0	475.0
1079	9/24/2012	P.M.	60 Mil.	TPO	4012139 1601	9.5	16.0	152.0	627.0
1080	9/24/2012	P.M.	60 Mil.	TPO	4012139 1601	9.5	16.0	152.0	779.0
1081	9/24/2012	P.M.	60 Mil.	TPO	4012139 1601	9.5	15.0	142.5	921.5
1082	9/24/2012	P.M.	60 Mil.	TPO	4012139 1601	9.5	15.0	142.5	1,064.0
1083	9/24/2012	P.M.	60 Mil.	TPO	4012139 1601	9.5	13.0	123.5	1,187.5
1084	9/24/2012	P.M.	60 Mil.	TPO	4012140 1604	9.5	2.0	19.0	1,206.5
1085	9/24/2012	P.M.	60 Mil.	TPO	4012140 1604	9.5	14.0	133.0	1,339.5
1086	9/24/2012	P.M.	60 Mil.	TPO	4012140 1604	9.5	14.0	133.0	1,472.5
1087	9/24/2012	P.M.	60 Mil.	TPO	4012140 1604	9.5	14.0	133.0	1,605.5
1088	9/24/2012	P.M.	60 Mil.	TPO	4012140 1604	9.5	15.0	142.5	1,748.0
1089	9/24/2012	P.M.	60 Mil.	TPO	4012140 1604	9.5	16.0	152.0	1,900.0
1090	9/24/2012	P.M.	60 Mil.	TPO	4012140 1602	9.5	18.0	171.0	2,071.0
1091	9/24/2012	P.M.	60 Mil.	TPO	4012140 1602	9.5	21.0	199.5	2,270.5
1092	9/24/2012	P.M.	60 Mil.	TPO	4012140 1602	9.5	23.0	218.5	2,489.0
1093	9/25/2012	A.M.	60 Mil.	TPO	4012140 1602	4.5	12.0	54.0	2,543.0
1094	9/26/2012	P.M.	60 Mil.	TPO	4012139 1708	4.0	200.0	800.0	3,343.0
1095	9/26/2012	P.M.	60 Mil.	TPO	4012139 1008	7.0	200.0	1400.0	4,743.0
1096	9/26/2012	P.M.	60 Mil.	TPO	4012139 1604	4.0	200.0	800.0	5,543.0
1097	9/27/2012	A.M.	60 Mil.	TPO	4012139 1611	6.0	200.0	1200.0	6,743.0
1098	9/27/2012	A.M.	60 Mil.	TPO	4012139 1608	8.0	200.0	1600.0	8,343.0
1099	9/27/2012	A.M.	60 Mil.	TPO	4012140 2005	3.0	200.0	600.0	8,943.0
1100	9/27/2012	A.M.	60 Mil.	TPO	4012139 1510	3.0	99.0	297.0	9,240.0
1101	9/27/2012	A.M.	60 Mil.	TPO	4012139 1801	6.0	99.0	594.0	9,834.0
1102	9/27/2012	A.M.	60 Mil.	TPO	4012139 1510	8.0	99.0	792.0	10,626.0
1103	9/27/2012	A.M.	60 Mil.	TPO	4012139 1602	8.0	99.0	792.0	11,418.0
1104	9/27/2012	P.M.	60 Mil.	TPO	4012140 1909	5.0	18.0	90.0	11,508.0
1105	9/27/2012	P.M.	60 Mil.	TPO	4012140 1909	5.0	14.0	70.0	11,578.0
1106	9/27/2012	P.M.	60 Mil.	TPO	4012140 1909	5.0	15.0	75.0	11,653.0
1107	9/27/2012	P.M.	60 Mil.	TPO	4012140 1909	5.0	10.0	50.0	11,703.0
1108	9/27/2012	P.M.	60 Mil.	TPO	4012140 1909	5.0	76.0	380.0	12,083.0
1109	9/27/2012	P.M.	60 Mil.	TPO	4012139 1710	5.0	200.0	1000.0	13,083.0
1110	9/27/2012	P.M.	60 Mil.	TPO	4012139 1801	6.0	99.0	594.0	13,677.0
1111	9/27/2012	P.M.	60 Mil.	TPO	4012139 1602	3.0	99.0	297.0	13,974.0
1112	9/27/2012	P.M.	60 Mil.	TPO	4012139 2009	3.0	100.0	300.0	14,274.0
1113	9/27/2012	P.M.	60 Mil.	TPO	4012139 1705	6.0	100.0	600.0	14,874.0
1114	9/28/2012	P.M.	60 Mil.	TPO	4012139 2009	1.0	99.0	99.0	14,973.0
1115	9/28/2012	P.M.	60 Mil.	TPO	4012139 1705	6.0	99.0	594.0	15,567.0
1116	9/27/2012	P.M.	60 Mil.	TPO	4012139 1703	8.0	100.0	800.0	16,367.0

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 37

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
1117	9/28/2012	P.M.	60 Mil.	TPO	4012139 1703	8.0	70.0	560.0	560.0
1118	9/28/2012	A.M.	60 Mil.	TPO	4012139 1508	6.0	100.0	600.0	1,160.0
1119	9/28/2012	A.M.	60 Mil.	TPO	4012139 1508	7.0	98.0	686.0	1,846.0
1120*	9/28/2012	A.M.	60 Mil.	TPO	4012140 0409				1,846.0
1121	9/28/2012	A.M.	60 Mil.	TPO	4012140 0409	1.0	100.0	100.0	1,946.0
1122	9/28/2012	A.M.	60 Mil.	TPO	4012139 2010	7.0	96.0	672.0	2,618.0
1123	9/28/2012	A.M.	60 Mil.	TPO	4012139 2010	7.0	100.0	700.0	3,318.0
1124*	9/28/2012	P.M.	60 Mil.	TPO	4012140 0409				3,318.0
1125*	9/28/2012	P.M.	60 Mil.	TPO	4012140 0409				3,318.0
1126*	9/28/2012	P.M.	60 Mil.	TPO	4012139 1606				3,318.0
1127	9/28/2012	P.M.	60 Mil.	TPO	4012139 1709	7.0	99.0	693.0	4,011.0
1128*	9/28/2012	P.M.	60 Mil.	TPO	4012139 1709				4,011.0
1129	9/28/2012	P.M.	60 Mil.	TPO	4012139 1606	7.0	100.0	700.0	4,711.0
1130	9/29/2012	A.M.	60 Mil.	TPO	4012139 1710	5.0	197.0	985.0	5,696.0
1131	9/29/2012	A.M.	60 Mil.	TPO	4012139 1102	5.0	193.0	965.0	6,661.0
1132	9/29/2012	A.M.	60 Mil.	TPO	4012139 1102	6.0	193.0	1158.0	7,819.0
1133	9/29/2012	P.M.	60 Mil.	TPO	4012139 1606	6.0	42.0	252.0	8,071.0
1134	9/29/2012	P.M.	60 Mil.	TPO	4012139 1606	8.0	42.0	336.0	8,407.0
1135	9/29/2012	P.M.	60 Mil.	TPO	4012139 0501	10.0	177.0	1770.0	10,177.0
1136	10/2/2012	P.M.	60 Mil.	TPO	4012140 1711	9.5	36.0	342.0	10,519.0
1137	10/2/2012	P.M.	60 Mil.	TPO	4012140 1711	9.5	29.0	275.5	10,794.5
1138	10/2/2012	P.M.	60 Mil.	TPO	4012140 1711	9.5	14.0	133.0	10,927.5
1139	10/5/2012	P.M.	60 Mil.	TPO	4012140 1207	10.0	21.0	210.0	11,137.5
1140	10/5/2012	P.M.	60 Mil.	TPO	4012140 1207	9.5	169.0	1605.5	12,743.0
1141	10/5/2012	P.M.	60 Mil.	TPO	4012140 1008	9.5	188.0	1786.0	14,529.0
1142	10/6/2012	A.M.	60 Mil.	TPO	4012140 1711	9.5	44.0	418.0	14,947.0
1143	10/6/2012	P.M.	60 Mil.	TPO	4012140 1408	4.0	98.0	392.0	15,339.0
1144	10/6/2012	P.M.	60 Mil.	TPO	4012140 1408	2.0	98.0	196.0	15,535.0
1145	10/6/2012	P.M.	60 Mil.	TPO	4012140 1005	8.0	98.0	784.0	16,319.0
1146	10/6/2012	P.M.	60 Mil.	TPO	4012140 1005	9.5	98.0	931.0	17,250.0
1147	10/6/2012	P.M.	60 Mil.	TPO	4012140 1201	4.0	97.0	388.0	17,638.0
1148	10/6/2012	P.M.	60 Mil.	TPO	4012140 1201	2.0	97.0	194.0	17,832.0
1149	10/6/2012	P.M.	60 Mil.	TPO	4012140 1504	8.0	97.0	776.0	18,608.0
1150	10/6/2012	P.M.	60 Mil.	TPO	4012140 1504	9.5	97.0	921.5	19,529.5
1151	10/6/2012	P.M.	60 Mil.	TPO	4012140 1502	4.0	100.0	400.0	19,929.5
1152	10/6/2012	P.M.	60 Mil.	TPO	4012140 1502	2.0	100.0	200.0	20,129.5
1153	10/6/2012	P.M.	60 Mil.	TPO	4012140 1409	8.0	100.0	800.0	20,929.5
1154	10/6/2012	P.M.	60 Mil.	TPO	4012140 1409	9.5	100.0	950.0	21,879.5
1155	10/6/2012	P.M.	60 Mil.	TPO	4012140 1202	9.5	40.0	380.0	22,259.5
1156	10/7/2012	A.M.	60 Mil.	TPO	4012140 1202	6.0	13.0	78.0	22,337.5
1157	10/7/2012	A.M.	60 Mil.	TPO	4012140 1202	9.5	126.0	1197.0	23,534.5
1158	10/7/2012	A.M.	60 Mil.	TPO	4012140 1501	9.5	164.0	1558.0	25,092.5

*=In anchor trench

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 38

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
1159	10/8/2012	A.M.	60 Mil.	TPO	4012140 1003	9.0	28.0	252.0	252.0
1160	10/8/2012	A.M.	60 Mil.	TPO	4012140 1003	6.0	10.0	60.0	312.0
1161	10/8/2012	A.M.	60 Mil.	TPO	4012140 1003	10.0	29.0	290.0	602.0
1162	10/8/2012	A.M.	60 Mil.	TPO	4012140 1003	9.0	12.0	108.0	710.0
1163	10/8/2012	A.M.	60 Mil.	TPO	4012140 1003	9.5	27.0	256.5	966.5
1164	10/8/2012	A.M.	60 Mil.	TPO	4012140 1003	4.0	9.0	36.0	1,002.5
1165	10/8/2012	A.M.	60 Mil.	TPO	4012140 1003	9.5	28.0	266.0	1,268.5
1166	10/8/2012	A.M.	60 Mil.	TPO	4012140 1003	3.0	10.0	30.0	1,298.5
1167	10/8/2012	P.M.	60 Mil.	TPO	4012140 1503	6.0	91.0	546.0	1,844.5
1168*	10/8/2012	P.M.	60 Mil.	TPO	4012140 1503				1,844.5
1169	10/8/2012	P.M.	60 Mil.	TPO	4012140 1010	9.0	91.0	819.0	2,663.5
1170	10/8/2012	P.M.	60 Mil.	TPO	4012140 1010	10.0	91.0	910.0	3,573.5
1171	10/8/2012	P.M.	60 Mil.	TPO	4012140 1501	9.5	37.0	351.5	3,925.0
1172	10/8/2012	P.M.	60 Mil.	TPO	4012140 1307	5.0	95.0	475.0	4,400.0
1173*	10/8/2012	P.M.	60 Mil.	TPO	4012140 1307				4,400.0
1174	10/8/2012	P.M.	60 Mil.	TPO	4012140 1302	9.5	95.0	902.5	5,302.5
1175	10/8/2012	P.M.	60 Mil.	TPO	4012140 1302	9.0	95.0	855.0	6,157.5
1176	10/8/2012	P.M.	60 Mil.	TPO	4012140 1410	5.0	94.0	470.0	6,627.5
1177*	10/8/2012	P.M.	60 Mil.	TPO	4012140 1410				6,627.5
1178	10/8/2012	P.M.	60 Mil.	TPO	4012140 1006	9.0	94.0	846.0	7,473.5
1179	10/8/2012	P.M.	60 Mil.	TPO	4012140 1006	9.5	94.0	893.0	8,366.5
1180	10/8/2012	P.M.	60 Mil.	TPO	4012140 1305	5.0	92.0	460.0	8,826.5
1181*	10/8/2012	P.M.	60 Mil.	TPO	4012140 1305				8,826.5
1182	10/8/2012	P.M.	60 Mil.	TPO	4012140 1310	9.0	92.0	828.0	9,654.5
1183	10/8/2012	P.M.	60 Mil.	TPO	4012140 1310	9.5	92.0	874.0	10,528.5
1184	10/8/2012	P.M.	60 Mil.	TPO	4012140 1203	9.0	104.0	936.0	11,464.5
1185	10/9/2012	A.M.	60 Mil.	TPO	4012140 1211	4.0	98.0	392.0	11,856.5
1186	10/9/2012	A.M.	60 Mil.	TPO	4012140 1211	1.0	98.0	98.0	11,954.5
1187	10/9/2012	A.M.	60 Mil.	TPO	4012140 1301	7.0	98.0	686.0	12,640.5
1188	10/9/2012	A.M.	60 Mil.	TPO	4012140 1301	9.5	98.0	931.0	13,571.5
1189	10/9/2012	A.M.	60 Mil.	TPO	4012140 0910	4.0	98.0	392.0	13,963.5
1190	10/9/2012	A.M.	60 Mil.	TPO	4012140 0910	1.0	98.0	98.0	14,061.5
1191	10/9/2012	A.M.	60 Mil.	TPO	4012140 1209	7.0	98.0	686.0	14,747.5
1192	10/9/2012	A.M.	60 Mil.	TPO	4012140 1209	9.5	98.0	931.0	15,678.5
1193	10/9/2012	P.M.	60 Mil.	TPO	4012140 1004	4.0	98.0	392.0	16,070.5
1194	10/9/2012	P.M.	60 Mil.	TPO	4012140 1004	1.0	98.0	98.0	16,168.5
1195	10/9/2012	P.M.	60 Mil.	TPO	4012140 1303	7.0	98.0	686.0	16,854.5
1196	10/9/2012	P.M.	60 Mil.	TPO	4012140 1303	9.5	98.0	931.0	17,785.5
1197	10/9/2012	P.M.	60 Mil.	TPO	4012140 1001	4.0	97.0	388.0	18,173.5
1198	10/9/2012	P.M.	60 Mil.	TPO	4012140 1001	1.0	97.0	97.0	18,270.5
1199	10/9/2012	P.M.	60 Mil.	TPO	4012140 1103	7.0	97.0	679.0	18,949.5
1200	10/9/2012	P.M.	60 Mil.	TPO	4012140 1103	9.5	97.0	921.5	19,871.0

*=In anchor trench

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record

Project: CCSWDC

Page 39

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
1201	10/9/2012	P.M.	60 Mil.	TPO	4012140 1306	4.0	100.0	400.0	400.0
1202	10/9/2012	P.M.	60 Mil.	TPO	4012140 1306	1.0	100.0	100.0	500.0
1203	10/9/2012	P.M.	60 Mil.	TPO	4012140 1308	7.0	100.0	700.0	1,200.0
1204	10/9/2012	P.M.	60 Mil.	TPO	4012140 1308	9.5	100.0	950.0	2,150.0
1205	10/10/2012	A.M.	60 Mil.	TPO	4012140 1109	9.5	186.0	1767.0	3,917.0
1206	10/10/2012	A.M.	60 Mil.	TPO	4012140 1108	9.0	187.0	1683.0	5,600.0
1207	10/10/2012	A.M.	60 Mil.	TPO	4012140 1107	7.0	186.0	1302.0	6,902.0
1208*	10/10/2012	A.M.	60 Mil.	TPO	4012140 1011				6,902.0
1209	10/10/2012	A.M.	60 Mil.	TPO	4012140 1105	9.0	186.0	1674.0	8,576.0
1210	10/10/2012	P.M.	60 Mil.	TPO	4012140 1007	9.0	186.0	1674.0	10,250.0
1211	10/10/2012	P.M.	60 Mil.	TPO	4012140 1204	7.0	185.0	1295.0	11,545.0
1212*	10/10/2012	P.M.	60 Mil.	TPO	4012140 1506				11,545.0
1213	10/10/2012	P.M.	60 Mil.	TPO	4012140 1111	9.0	185.0	1665.0	13,210.0
1214	10/10/2012	P.M.	60 Mil.	TPO	4012140 1002	9.0	185.0	1665.0	14,875.0
1215*	10/10/2012	P.M.	60 Mil.	TPO	4012140 1210				14,875.0
1216*	10/10/2012	P.M.	60 Mil.	TPO	4012140 1210				14,875.0
1217	10/14/2012	A.M.	60 Mil.	TPO	4012140 1110	10.0	188.0	1880.0	16,755.0
1218	10/14/2012	A.M.	60 Mil.	TPO	4012140 1205	10.0	182.0	1820.0	18,575.0
1219	10/13/2012	A.M.	60 Mil.	TPO	4012140 1505	9.5	184.0	1748.0	20,323.0
1220	10/13/2012	A.M.	60 Mil.	TPO	4012140 1508	9.5	184.0	1748.0	22,071.0
1221*	10/13/2012	P.M.	60 Mil.	TPO	4012140 1304				22,071.0
1222	10/13/2012	P.M.	60 Mil.	TPO	4012140 1507	9.5	184.0	1748.0	23,819.0
1223*	10/13/2012	P.M.	60 Mil.	TPO	4012140 1210				23,819.0
1224*	10/13/2012	P.M.	60 Mil.	TPO	4012140 1210				23,819.0
1225	10/13/2012	P.M.	60 Mil.	TPO	4012139 2101	9.5	26.0	247.0	24,066.0
1226	10/14/2012	P.M.	60 Mil.	TPO	4012140 1208	10.0	187.0	1870.0	25,936.0
1227	10/14/2012	A.M.	60 Mil.	TPO	4012140 1311	10.0	189.0	1890.0	27,826.0
1228	10/14/2012	A.M.	60 Mil.	TPO	4012140 1309	10.0	187.0	1870.0	29,696.0
1229	10/17/2012	P.M.	60 Mil.	TPO	4012139 2602	10.0	129.0	1290.0	30,986.0
1230	10/17/2012	P.M.	60 Mil.	TPO	4012140 1801	7.0	45.0	315.0	31,301.0
1231	10/17/2012	P.M.	60 Mil.	TPO	4012140 1801	10.0	13.0	130.0	31,431.0
1232	10/20/2012	P.M.	60 Mil.	TPO	4012140 1801	9.0	14.0	126.0	31,557.0
1233	10/20/2012	P.M.	60 Mil.	TPO	4012140 1801	9.0	14.0	126.0	31,683.0
1234	10/20/2012	P.M.	60 Mil.	TPO	4012140 1801	9.0	15.0	135.0	31,818.0
1235	10/20/2012	P.M.	60 Mil.	TPO	4012140 1801	2.0	6.0	12.0	31,830.0
1236	10/20/2012	P.M.	60 Mil.	TPO	4012140 1801	5.0	12.0	60.0	31,890.0
1237	10/20/2012	P.M.	60 Mil.	TPO	4012140 1801	9.0	17.0	153.0	32,043.0
1238	10/20/2012	P.M.	60 Mil.	TPO	4012140 1801	7.0	19.0	133.0	32,176.0
1239	10/20/2012	P.M.	60 Mil.	TPO	4012140 1801	10.0	13.0	130.0	32,306.0

*=In anchor trench

ARDAMAN & ASSOCIATES, INC.

Panel Placement Record (Stain Cap/Upper SE Slope)

Project: CCSWDC

Page 40

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
C-1A	10/25/2012	A.M.	60 Mil.	TPO	4012140 1411	9.5	95.0	902.5	902.5
C-1B	10/25/2012	A.M.	60 Mil.	TPO	4012140 1411	9.5	83.0	788.5	1,691.0
C-1C	10/25/2012	A.M.	60 Mil.	TPO	4012139 0102	9.5	12.0	114.0	1,805.0
C-1D	10/25/2012	A.M.	60 Mil.	TPO	4012139 0102	9.5	95.0	902.5	2,707.5

ARDAMAN & ASSOCIATES, INC.

TPO Berm Panel Placement Record

Project: CCSWDC

Page 1

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
B1	9/21/2012	A.M.	60 Mil.	TPO	4012139 1609	10.0	140.0	1400.0	1,400.0
B2	9/21/2012	A.M.	60 Mil.	TPO	4012139 1609	10.0	57.0	570.0	1,970.0
B3	9/21/2012	A.M.	60 Mil.	TPO	4012139 1610	10.0	147.0	1470.0	3,440.0
B4	9/21/2012	A.M.	60 Mil.	TPO	4012140 1906	10.0	199.0	1990.0	5,430.0
B5	9/21/2012	A.M.	60 Mil.	TPO	4012139 1509	10.0	200.0	2000.0	7,430.0
B6	9/21/2012	A.M.	60 Mil.	TPO	4012139 1704	10.0	197.0	1970.0	9,400.0
B7	9/25/2012	A.M.	60 Mil.	TPO	4012139 1711	10.0	141.0	1410.0	10,810.0
B8	9/25/2012	A.M.	60 Mil.	TPO	4012140 1702	10.0	199.0	1990.0	12,800.0
B9	9/25/2012	A.M.	60 Mil.	TPO	4012139 1711	3.0	41.0	123.0	12,923.0
B10	9/25/2012	A.M.	60 Mil.	TPO	4012139 1711	3.0	52.0	156.0	13,079.0
B11	9/25/2012	A.M.	60 Mil.	TPO	4012139 1711	3.0	53.0	159.0	13,238.0
B12	9/25/2012	A.M.	60 Mil.	TPO	4012139 1701	3.0	74.0	222.0	13,460.0
B13	9/25/2012	A.M.	60 Mil.	TPO	4012139 1701	3.0	74.0	222.0	13,682.0
B14	9/25/2012	P.M.	60 Mil.	TPO	4012139 1701	3.0	68.0	204.0	13,886.0
B15	9/25/2012	P.M.	60 Mil.	TPO	4012140 1707	10.0	98.0	980.0	14,866.0
B16	9/25/2012	P.M.	60 Mil.	TPO	4012140 1707	3.0	91.0	273.0	15,139.0
B17	9/25/2012	P.M.	60 Mil.	TPO	4012140 1910	10.0	102.0	1020.0	16,159.0
B18	9/25/2012	P.M.	60 Mil.	TPO	4012140 1707	3.0	86.0	258.0	16,417.0
B19	9/25/2012	P.M.	60 Mil.	TPO	4012139 1511	10.0	200.0	2000.0	18,417.0
B20	9/25/2012	P.M.	60 Mil.	TPO	4012139 1607	10.0	200.0	2000.0	20,417.0
B21	9/25/2012	P.M.	60 Mil.	TPO	4012140 1901	10.0	154.0	1540.0	21,957.0
B22	9/26/2012	A.M.	60 Mil.	TPO	4012139 1706	10.0	197.0	1970.0	23,927.0
B23	9/25/2012	P.M.	60 Mil.	TPO	4012140 1901	10.0	45.0	450.0	24,377.0
B24	9/21/2012	P.M.	60 Mil.	TPO	4012139 0702	10.0	70.0	700.0	25,077.0
B25	9/25/2012	P.M.	60 Mil.	TPO	4012140 1705	10.0	70.0	700.0	25,777.0
B26	9/26/2012	P.M.	60 Mil.	TPO	4012140 1907	10.0	70.0	700.0	26,477.0
B27	9/21/2012	P.M.	60 Mil.	TPO	4012139 0702	10.0	31.0	310.0	26,787.0
B28	10/2/2012	P.M.	60 Mil.	TPO	4012140 1705	5.0	31.0	155.0	26,942.0
B29	10/2/2012	P.M.	60 Mil.	TPO	4012140 1102	10.0	31.0	310.0	27,252.0
B30	9/25/2012	P.M.	60 Mil.	TPO	4012140 1705	5.0	22.0	110.0	27,362.0
B31	10/2/2012	P.M.	60 Mil.	TPO	4012140 1102	5.0	22.0	110.0	27,472.0
B32	9/25/2012	P.M.	60 Mil.	TPO	4012140 1705	10.0	18.0	180.0	27,652.0
B33	10/2/2012	P.M.	60 Mil.	TPO	4012140 1102	5.0	18.0	90.0	27,742.0
B34	9/21/2012	P.M.	60 Mil.	TPO	4012139 0702	10.0	69.0	690.0	28,432.0
B35	10/2/2012	P.M.	60 Mil.	TPO	4012139 1605	10.0	69.0	690.0	29,122.0
B36	10/2/2012	P.M.	60 Mil.	TPO	4012140 1104	5.0	59.0	295.0	29,417.0
B37	10/2/2012	P.M.	60 Mil.	TPO	4012139 1605	10.0	54.0	540.0	29,957.0
B38	10/2/2012	P.M.	60 Mil.	TPO	4012140 1206	10.0	54.0	540.0	30,497.0
B39	10/2/2012	P.M.	60 Mil.	TPO	4012140 1104	10.0	54.0	540.0	31,037.0
B40	10/2/2012	P.M.	60 Mil.	TPO	4012139 1605	10.0	45.0	450.0	31,487.0
B41	10/2/2012	P.M.	60 Mil.	TPO	4012140 1206	10.0	45.0	450.0	31,937.0
B42	10/2/2012	P.M.	60 Mil.	TPO	4012140 1104	5.0	45.0	225.0	32,162.0

ARDAMAN & ASSOCIATES, INC.

TPO Berm Panel Placement Record

Project: CCSWDC

Page 2

Ardaman Field Rep: Jim Kunzelman

File No.: 09-36-7375

Panel Number	Date Placed	Time Placed	Material Type		Roll Number	Width (ft.)	Length (ft.)	Total (ft^2)	Accumulative Total (ft^2)
B43	10/2/2012	P.M.	60 Mil.	TPO	4012139 1605	10.0	75.0	750.0	750.0
B44	10/2/2012	P.M.	60 Mil.	TPO	4012140 1104	10.0	75.0	750.0	1,500.0
B45	10/2/2012	P.M.	60 Mil.	TPO	4012140 1205	5.0	27.0	135.0	1,635.0
B46	10/2/2012	P.M.	60 Mil.	TPO	4012140 1106	7.0	47.0	329.0	1,964.0
B47	10/2/2012	P.M.	60 Mil.	TPO	4012139 2506	10.0	32.0	320.0	2,284.0
B48	10/2/2012	P.M.	60 Mil.	TPO	4012140 1710	10.0	33.0	330.0	2,614.0
B49	10/2/2012	P.M.	60 Mil.	TPO	4012140 1206	5.0	33.0	165.0	2,779.0
B50	10/2/2012	P.M.	60 Mil.	TPO	4012140 1102	10.0	45.0	450.0	3,229.0
B51	10/2/2012	P.M.	60 Mil.	TPO	4012140 1106	10.0	50.0	500.0	3,729.0
B52	10/2/2012	P.M.	60 Mil.	TPO	4012140 1206	5.0	50.0	250.0	3,979.0
B53	10/15/2012	P.M.	60 Mil.	TPO	4012139 2101	10.0	23.0	230.0	4,209.0
B54	10/15/2012	P.M.	60 Mil.	TPO	4012140 0209	10.0	188.0	1880.0	6,089.0
B55	10/15/2012	P.M.	60 Mil.	TPO	4012140 0302	10.0	190.0	1900.0	7,989.0
B56	10/15/2012	P.M.	60 Mil.	TPO	4012139 2101	10.0	23.0	230.0	8,219.0
B57	10/15/2012	P.M.	60 Mil.	TPO	4012139 2705	10.0	188.0	1880.0	10,099.0
B58	10/15/2012	P.M.	60 Mil.	TPO	4012139 1501	3.0	61.0	183.0	10,282.0
B59	10/15/2012	P.M.	60 Mil.	TPO	4012139 1501	3.0	61.0	183.0	10,465.0
B60	10/15/2012	P.M.	60 Mil.	TPO	4012139 1501	3.0	61.0	183.0	10,648.0
B61	10/15/2012	P.M.	60 Mil.	TPO	4012139 1501	7.0	33.0	231.0	10,879.0
B62	10/15/2012	P.M.	60 Mil.	TPO	4012140 0506	10.0	190.0	1900.0	12,779.0
B63	10/15/2012	P.M.	60 Mil.	TPO	4012139 1501	5.0	95.0	475.0	13,254.0
B64	10/15/2012	P.M.	60 Mil.	TPO	4012139 1501	5.0	95.0	475.0	13,729.0
C-A	10/18/2012	A.M.	60 Mil.	TPO	4012140 0911	10.0	190.0	1900.0	15,629.0
C-B	10/18/2012	P.M.	60 Mil.	TPO	4012140 1407	10.0	42.0	420.0	16,049.0
C-C	10/18/2012	P.M.	60 Mil.	TPO	4012140 1407	5.0	86.0	430.0	16,479.0
C-D	10/18/2012	P.M.	60 Mil.	TPO	4012140 1407	5.0	90.0	450.0	16,929.0
C-E	10/18/2012	P.M.	60 Mil.	TPO	4012140 1905	5.0	23.0	115.0	17,044.0
C-F	10/18/2012	P.M.	60 Mil.	TPO	4012140 1905	5.0	23.0	115.0	17,159.0

APPENDIX 13

Geomembrane Installation
Repair Logs

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1	Seam 3/4/5	Air Test Patch	2X2
2	Seam 4/5/7	Air Test Patch	2X2
3	Seam 4/6/7	Air Test Patch	2X2
4	Seam 6/7/8	Air Test Patch	2X2
5	DT-1/Seam 3/4 (6' to BOS)	DT Patch	2X5
6	Panels 6/8-Tie In	Tie-In Weld	2X60
7	Panels 2,3,4	Air Test Patch	2X2
8	Seam 1/2/3	Air Test Patch	2X2
9	DT-2/Seam 4/6 (180' to BOS)	DT Patch	2X7
10	Seam 4/6 (255' to BOS)	Burnout Patch	2X2
11	DT-5/Seam 10/12 (52' to BOS)	DT Patch	2X6
12	Seam 9/10/11	Air Test Patch	2X2
13	Seam 10/11/12	Air Test Patch	2X2
14	Seam 11/12 (247' to BOS)	Burnout Patch	2X2
15	Seam 11/12 (182' to BOS)	Burnout Patch	2X7
16	DT-6/Seam 12/13 (148' to BOS)	DT Patch	2X7
17	DT-4/Seam 9/11 (190' to BOS)	DT Patch	2X8
18	DT-3/Seam 8/9 (65' to BOS)	DT Patch	2X8
19	Seam 12/13/14	Air Test Patch	2X2
20	Seam 13/14/16	Air Test Patch	2X2
21	Seam 15/16 (247' to BOS)	Burnout Patch	2X2
22	Seam 15/16 (272' to BOS)	Burnout Patch	2X5
23	DT-8/Seam 15/16 (330' to BOS)	DT Patch	2X2
24	Seam 15/16 (345' to BOS)	Burnout Patch	2X12
25	Seam 15/16 (368' to BOS)	Burnout Patch	2X8
26	Seam 15/16 (15' to TI)	Burnout Patch	2X2
27	DT-11/Seam 19/20	DT Patch	2X6
28	Seam 20/21/22	Air Test Patch	2X2
29	Seam 19/20/21	Air Test Patch	2X2
30	Seam 16/17 (125' to BOS)	Burnout Patch	2X2
31	DT-9/Seam 16/17 (32' to BOS)	DT Patch	2X7
32	DT-12/Seam 21/22 (145' to BOS)	DT Patch	2X8
33	Seam 17/18/19	Air Test Patch	2X2
34	Seam 16/17/18	Air Test Patch	2X2
35	DT-10/Seam 18/19 (68' to BOS)	DT Patch	2X7
36	DT-13/Seam 22/23 (48' to BOS)	DT Patch	2X7
37	Seam 23/24/25	Air Test Patch	2X2
38	Seam 24/25/26	Air Test Patch	2X2
39	DT-14/Seam 23/24 (71' to BOS)	DT Patch	2X8
40	Seam 24/26 (255' to BOS)	Burnout Patch	2X6
41	DT-15/Seam 24/26 (305' to BOS)	DT Patch	2X6
42	DT-17/Seam 27/29 (322' to BOS)	DT Patch	2X6

TI = Tie In

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
43	Seam 26/27/28	Air Test Patch	2X2
44	Panel 28, 6' to Tie-In	Damage Patch	2X4
45	Seam 27/28/29	Air Test Patch	2X2
46	DT-18/Seam 29/30 (240' to BOS)	DT Patch	2X6
47	DT-16/Seam 26/28 (200' to BOS)	DT Patch	2X6
48	DT-20/Seam 32/33 (75' to BOS)	DT Patch	2X6
49	Seam 30/31/32	Air Test Patch	2X2
50	Seam 31/32/33	Air Test Patch	2X2
51	DT-19/Seam 30/31 (55' to BOS)	DT Patch	2X6
52	Seam 15/16 (160' to BOS)	Burnout Patch	2X2
53	DT-7/Seam 13/15 (55' to BOS)	DT Patch	2X5
54	Seam 14/15	Damage Patch	2X2
55	Seam 15/16 (27' to BOS)	Burnout Patch	2X3
56	Seam 1/2 (40' to BOS)	Burnout Patch	2X2
57	Seam 1/2 (8' to EOS)	Burnout Patch	2X2
58	Seam 4/6 (38' to EOS)	Burnout Patch	2X2
59	Seam 4/6 (250' to BOS)	Burnout Patch	2X2
60	Seam 4/6 (232' to BOS)	Burnout Patch	2X2
61	Seam 4/6 (228' to BOS)	Burnout Patch	2X2
62	Panel 6 (18' to R9)	Damage Patch	2X2
63	Seam 8/9 (323' to BOS)	Burnout Patch	2X2
64	Seam 8/9 (330' to BOS)	Burnout Patch	2X2
65	Seam 6/8 (222' to BOS)	Burnout Patch	2X2
66	Seam 6/8 (250' to BOS)	Burnout Patch	2X6
67	Seam 6/8 (277' to BOS)	Burnout Patch	2X2
68	Seam 6/8 (12' to EOS)	Burnout Patch	2X2
69	Seam 8/9 (25' to EOS)	Burnout Patch	2X2
70	Seam 8/9 (36' to EOS)	Burnout Patch	2X9
71	Seam 15/16 (305' to BOS)	Burnout Patch	2X2
72	Panel 25 (4' to Tie-In)	Damage Patch	2X2
73	Seam 1/2/Tie-In	Air Test Patch	2X2
74	Seam 2/4/Tie-In	Air Test Patch	2X2
75	Seam 4/6/Tie-In	Air Test Patch	2X2
76	Seam 6/8/Tie-In	Air Test Patch	2X2
77	Seam 8/9/Tie-In	Air Test Patch	2X2
78	DT-21/Panel 9/Tie-In (7' to R77)	DT Patch	2X6
79	Seam 9/10/Tie-In	Air Test Patch	2X2
80	Panel 15/Tie-In	Damage Patch	2X2
81	Seam 10/11/Tie-In	Air Test Patch	2X2
82	Panel 11/15/Tie-In	Damage Patch	2X2
83	Seam 11/13/Tie-In	Air Test Patch	2X2
84	Seam 13/15/Tie-In	Air Test Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
85	DT-22/Panel 15/Tie-In	DT Patch	2X6
86	Panel 16, 19' to Tie-In	Damage Patch	2X2
87	Panel 16, 2' to Tie-In	Damage Patch	2X2
88	Panel 1, 10' to Tie-In	Damage Patch	2X2
89	Seam 23/24	Burnout Patch	2X2
90	Panel 17, 17' to Tie-In	Damage Patch	2X2
91	Panel 19, 17' to Tie-In	Damage Patch	2X2
92	Panel 19, 19' to Tie-In	Damage Patch	2X2
93	Seam 20/22, 370' to BOS	Burnout Patch	2X3
94	Panel 23, near tie-in	Damage Patch	2X3
95	Seam 16/17/Tie-In	Air Test Patch	2X2
96	Seam 17/19/Tie-In	Air Test Patch	2X2
97	Seam 19/20/Tie-In	Air Test Patch	2X2
98	DT-23/Panel 20/Tie-In	DT Patch	2X6
98A	DT-23R1/Panel 29, tie-in	DT Patch	2x7
99	Seam 20/22/Tie-In	Air Test Patch	2X2
100	Panel 22/Tie-In	Damage Patch	2X6
101	Seam 22/23/Tie-In	Air Test Patch	2X2
102	Seam 23/24/Tie-In	Air Test Patch	2X2
103	Seam 24/26/Tie-In	Air Test Patch	2X2
104	Seam 26/27/Tie-In	Air Test Patch	2X2
105	Seam 27/29/Tie-In	Air Test Patch	2X2
106	Seam 29/30/Tie-In	Air Test Patch	2X2
106A	P-63/R-260/261/262	Damage Patch	6X16
107	Panel 30, 18' to Tie-In	Damage Patch	2X3
108	Seam 30/31/Tie-In	Air Test Patch	2X2
109	Panel 31/Tie-In	Damage Patch	2X6
110	Panel 31/Tie-In	Damage Patch	2X2
111	Seam 31/33/Tie-In	Air Test Patch	2X2
112	Panel 31, 20' to Tie-In	Damage Patch	2X2
113	Panel 33, 20' to Tie-In	Damage Patch	2X2
114	Seam 33/34/Tie-In	Air Test Patch	2X2
115	DT-25/Seam 35/36 (145' to BOS)	DT Patch	2X7
116	Panels 34/35/36	Air Test Patch	2X2
117	Panel 35/Bottom (3' to EOS)	Damage Patch	2X2
118	Panels 33/34/35	Air Test Patch	2X2
119	Seam 34/36/Tie-In	Air Test Patch	2X2
120	Panel 36/Tie-In	Damage Patch	2X6
121	Seam 36/37/Tie-In	Air Test Patch	2X2
122	Panel 37/Bottom/Middle (10' to EOS)	Damage Patch	2X2
123	Panel 37/Bottom/Middle (5' to EOS)	Damage Patch	2X6
124	Seam 37/38/Tie-In	Air Test Patch	2X2
125	Seam 38/39/Tie-In	Air Test Patch	2X2
126	Panel 39/Mid-Slope (72' to Tie-in)	Damage Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
127	DT-26/Seam 37/38 (95' to BOS)	DT Patch	2X7
128	Seam 38/39 (30' to BOS)	Burnout Patch	2X2
129	Seam 39/45/Tie-In	Air Test Patch	2X2
130	Seam 39/44/45	Air Test Patch	2X2
131	Seam 39/43/44	Air Test Patch	2X2
132	Seam 39/42/43	Air Test Patch	2X2
133	Seam 38/39/42	Air Test Patch	2X4
134	Seam 38/42 (6' to EOS)	Burnout Patch	2X2
135	Seam 40/41/42	Air Test Patch	2X2
136	Seam 39/40/41	Air Test Patch	2X6
137	Seam 38/40/42	Air Test Patch	2X6
138	Seam 37/38 (25' to BOS)	Burnout Patch	2X6
139	Seam 37/38 (50' to BOS)	Burnout Patch	2X3
140	Seam 37/38/40	Air Test Patch	2X3
141	Seam 37/39/40	Air Test Patch	2X2
142	Seam 37/39/46	Air Test Patch	2X2
143	Seam 37/46 (8' to BOS)	Burnout Patch	2X2
144	Seam 37/46/48	Air Test Patch	2X2
145	Seam 37/48/49	Air Test Patch	2X5
146	Seam 37/49/53/54	Air Test Patch	2X8
147	Panel 49/Middle (35' to BOS)	Damage Patch	2X2
148	Seam 48/49 (67' to BOS)	Burnout Patch	2X2
149	Seam 48/49 (79' to BOS)	Burnout Patch	2X2
150	Seam 46/48 (105' to BOS)	Burnout Patch	2X2
151	Seam 46/47/48	Air Test Patch	2X2
152	Panel 48 (5' to EOS)	Damage Patch	2X2
153	Seam 47/48 (8' to BOS)	Burnout Patch	2X2
154	Seam 47/48/49	Air Test Patch	2X2
155	DT-27/Seam 39/46 (93' to BOS)	DT Patch	2X7
156	Seam 39/46 (200' to BOS)	Burnout Patch	2X2
157	Seam 47/49 (7' to EOS)	Burnout Patch	2X2
158	Panel 47 (14' to Tie-In)	Damage Patch	2X2
159	Panel 46	Damage Patch	2X2
160	Panel 46	Damage Patch	2X2
161	Panel 39 (14' to Tie-In)	Damage Patch	2X4
162	Panel 41 (6' to Tie-In)	Damage Patch	2X2
163	Panel 42 (10' to Tie-In)	Damage Patch	2X6
164	Panel 43 (12' to Tie-In)	Damage Patch	2X2
165	Panel 43 (11' to Tie-In)	Damage Patch	2X2
166	Panel 49 (12' to Tie-In)	Damage Patch	2X2
167	Seam 49/55/56	Air Test Patch	2X3
168	Seam 49/55 (14' to EOS)	Burnout Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
169	Seam 49/50/55	Air Test Patch	2X4
170	Seam 49/50 (43' to BOS)	Burnout Patch	2X2
171	Seam 49/50/51	Air Test Patch	2X2
172	Seam 49/51/53	Air Test Patch	2X2
173	Seam 51/53 (20' to BOS)	Burnout Patch	2X5
174	DT-28/Seam 49/53 (20' to BOS)	DT Patch	2X6
175	Seam 51/52/53/54	Air Test Patch	2X6
176	Panel 52 (2' to P52/51)	Damage Patch	2X2
177	Panel 52/Near Panel 51 (10' to) BOS	Damage Patch	2X2
178	Seam 50/51/52	Air Test Patch	2X2
179	Panel 51 (2' to P51/50)	Damage Patch	2X2
180	DT-29/Seam 50/55 (100' to BOS)	DT Patch	2X6
181	DT-30/Seam 56/57 (195' to BOS)	DT Patch	2X6
182	Panel 57 (17' to Tie-In)	Damage Patch	2X2
183	Panel 57 (6' to Tie-In)	Damage Patch	2X2
184	Panel 57 (4' to Tie-In)	Damage Patch	2X2
185	Panel 58 (8' to Tie-In)	Damage Patch	2X2
186	DT-31/Seam 57/58 (125' to BOS)	DT Patch	2X2
187	DT-44/Seam 58/59 (19' to BOS)	DT Patch	2X6
188	DT-43/Seam 59/60 (29' to BOS)	DT Patch	2X6
189	Seam 61/62 (15' to BOS)	Burnout Patch	2X2
190	Seam 62/75/76	Air Test Patch	2X2
191	Seam 62/64/76	Air Test Patch	2X2
192	Seam 63/64/76	Air Test Patch	2X2
193	Seam 63/76/77	Air Test Patch	2X2
194	Seam 62/63/64	Air Test Patch	2X2
195	Seam 63/65/77	Air Test Patch	2X2
196	Seam 65/77/81	Air Test Patch	2X2
197	DT-41/Seam 62/63 (26' to BOS)	DT Patch	2X6
198	Seam 65/67/81	Air Test Patch	2X6
199	Seam 67/79/81	Air Test Patch	2X2
200	DT-40/Seam 65/67 (20' to BOS)	DT Patch	2X7
201	DT-34/Panel 15/R26 (15' to Tie In)	DT Patch	2X6
202	Panel 2/Tie-In	CAP	2X208
203	DT-21R/Panel 2/Tie-In	DT Patch	2X6
204	Panel 19/Tie-In	Damage Patch	2X2
205	Panel 31/R110	Damage Patch	2X2
206	Panel 33/Tie-In	Damage Patch	2X2
207	Panel 38/Tie-In	Damage Patch	2X2
208	Panel 37/Tie-In	Damage Patch	2X2
209	Panel 38/Tie-In	Damage Patch	2X2
210	Panel 39/Tie-In/Tie-In	Damage Patch	2X3

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
211	Panel 45 (3' to Tie-In)	Damage Patch	2X2
212	Seam 44/45/Tie-In	Air Test Patch	3X4
213	Seam 44/45/Tie-In	Air Test Patch	2X2
214	Seam 42/43/Tie-In	Air Test Patch	2X2
215	Panel 42/Tie-In	Damage Patch	2X2
216	Seam 41/42/Tie-In	Air Test Patch	2X2
217	Panel 41/Tie-In	Damage Patch	2X2
218	Seam 41/46/Tie-In	Air Test Patch	2X2
219	Seam 39/46/Tie-In	Air Test Patch	2X2
220	Panel 46/Tie-In	Damage Patch	2X2
221	Seam 46/47/Tie-In	Air Test Patch	2X2
222	DT-35/Panel 45/Tie-In	DT Patch	2X7
223	Seam 47/49/Tie-In	Air Test Patch	2X3
224	Seam 49/56/Tie-In	Air Test Patch	2X2
225	Seam 56/57/Tie-In	Air Test Patch	2X2
226	Panel 57/Tie-In	Damage Patch	2X2
227	Seam 57/58/Tie-In	Air Test Patch	2X4
228	Panel 58/Tie-In	Damage Patch	2X2
229	Panel 58/Tie-In	Damage Patch	2X3
230	Seam 58/59/Tie-In	Air Test Patch	2X2
231	Panel 59 (2' to Tie-In)	Damage Patch	2X2
232	Panel 59 (3' to Tie-In)	Damage Patch	2X2
233	Panel 59/Tie-In (5' to R234)	Damage Patch	2X2
234	Seam 59/60/Tie-In	Air Test Patch	2X2
235	Seam 60/61/Tie-In	Air Test Patch	2X3
236	Panel 61/Tie-In	Damage Patch	2X4
237	Seam 61/62/Tie-In	Air Test Patch	2X2
238	Panel 62/Tie-In	Damage Patch	2X2
239	Seam 62/68/Tie-In	Air Test Patch	2X2
240	Seam 68/69/Tie-In	Air Test Patch	2X3
241	Seam 69/70/Tie-In	Air Test Patch	2X4
242	Panel 70/Tie-In	Damage Patch	2X2
243	Seam 70/71/Tie-In	Air Test Patch	2X2
244	Panel 71/Tie-In	Damage Patch	2X4
245	Seam 71/72/Tie-in	Air Test Patch	2X2
246	Panel 72/Tie-In	Damage Patch	2X2
247	Seam 72/73/Tie-In	Air Test Patch	2X2
248	Seam 73/74/Tie-In	Air Test Patch	2X2
249	Panel 74/Tie-In	Damage Patch	2X2
250	Panel 74/Tie-In	Damage Patch	2X2
251	DT-33/Panels 6/8/R6 (88' to BOS)	DT Patch	2X6
252	DT-55/Panel 42/R163	DT Patch	2X6

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
253	Seam 70/71 (12' to EOS)	Burnout Patch	2X2
254	Panel 70/Tie-In	Damage Patch	2X2
255	Panel 70/Tie-In	Damage Patch	2X2
256	DT-36/Seam 69/70 (45' to EOS)	DT Patch	2X6
257	Seam 69/70 (19' to BOS)	Burnout Patch	2X2
258	Seam 66/67/68	Air Test Patch	2X2
259	Seam 65/66/67	Air Test Patch	2X2
260	Seam 62/63/65	Air Test Patch	2X4
261	Seam 63/65 (8' to EOS)	Burnout Patch	2X3
262	Seam 62/63 (8' to EOS)	Burnout Patch	2X3
263	DT-42/Seam 61/62 (172' to BOS)	DT Patch	2X6
264	Seam 62/65/66	Air Test Patch	2X3
265	Seam 62/66/68	Air Test Patch	2X6
266	DT-54/Panel 68	DT Patch	2X6
267	Seam 67/68/79	Air Test Patch	2X2
268	Seam 68/79 (5' to R267)	Burnout Patch	2X2
269	Seam 68/79/80/82	Air Test Patch	2X7
270	Seam 78/79/80/81	Air Test Patch	2X7
271	Seam 68/69/82	Air Test Patch	2X2
272	Seam 69/82 (11' to EOS)	Burnout Patch	2X2
273	Seam 69/82/83	Air Test Patch	2X2
274	Seam 69/70/83	Air Test Patch	2X2
275	Seam 70/84/83	Air Test Patch	2X2
276	Seam 70/71/84	Air Test Patch	2X2
277	Seam 71/84/85	Air Test Patch	2X2
278	Seam 71/72/85	Air Test Patch	2X2
279	Seam 72/85/86	Air Test Patch	2X2
280	Seam 72/73/86	Air Test Patch	2X2
281	Seam 73/86/87	Air Test Patch	2X2
282	Seam 73/74/87	Air Test Patch	2X2
283	Seam 74/87 (25' to EOS)	Burnout Patch	2X2
284	Seam 74/87/Tie-In	Air Test Patch	2X2
285	Panel 87 (6' to Tie-In)	Damage Patch	2X2
286	Panel 87 (7' to Tie-In)	Damage Patch	2X2
287	Seam 85/86 (30' to Tie In)	Damage Patch	2X2
288	DT-37/Seam 83/84 (53' to BOS)	DT Patch	2X6
289	DT-38/Seam 78/80 (43' to BOS)	DT Patch	2X7
290	Seam 77/78 (93' to BOS)	Burnout Patch	2X2
291	Seam 76/77 (125' to BOS)	Burnout Patch	2X2
292	DT-47/Seam 94/95 (45' to BOS)	DT Patch	2X6
293	DT-48/Seam 95/97 (135' to BOS)	DT Patch	2X6
294	Seam 95/96 (BOS-EOS)	CAP	2X22

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
295	Seam 92/93/94	Air Test Patch	2X2
296	Panel 93 (5' to BOS)	Damage Patch	2X2
297	Panel 93 (5' to BOS)	Damage Patch	2X2
298	Seam 91/92/93	Air Test Patch	2X2
299	Seam 89/90/91	Air Test Patch	2X2
300	Seam 88/89/90	Air Test Patch	2X2
301	DT-39/Seam 76/77 (95' to BOS)	DT Patch	2X6
302	Seam 77/78/81	Air Test Patch	2X2
303	Seam 98/99/104	Air Test Patch	2X2
304	Seam 91/93 (40' to BOS)	Burnout Patch	2X2
305	Seam 61/75/88	Air Test Patch	2X2
306	Seam 61/62/75	Air Test Patch	2X2
307	DT-45/Seam 88/90 (53' to BOS)	DT Patch	2X6
308	DT-46/Seam 91/93 (110' to BOS)	DT Patch	2X7
309	Seam 98/99/100	Air Test Patch	2X3
310	DT-50/Seam 99/104 (55' to BOS)	DT Patch	2X6
311	DT-51/Seam 109/110 (185' to BOS)	DT Patch	2X7
312	Seam 113/117/118	Air Test Patch	2X2
313	Seam 113/116/117	Air Test Patch	2X2
314	Seam 114/115 (150' to BOS)	Burnout Patch	2X2
315	DT-53/Seam 122/123 (128' to BOS)	DT Patch	2X7
316	Panel 116 (175' to BOS)	Damage Patch	2X8
317	Seam 114/115/116	Air Test Patch	2X3
318	Panel 116 (2' to EOS)	Damage Patch	2X2
319	Seam 113/115/116	Air Test Patch	2X2
320	Seam 110/111 (152' to BOS)	Burnout Patch	2X2
321	Seam 108/109/110	Air Test Patch	2X2
322	Panel 109 (5' to P108/109)	Damage Patch	2X2
323	Seam 107/108/109	Air Test Patch	2X2
324	Seam 106/107 (10' to EOS)	Burnout Patch	2X2
325	Seam 105/106/107	Air Test Patch	2X2
326	Seam 104/105/106	Air Test Patch	2X2
327	Seam 99/100/101	Air Test Patch	2X2
328	Seam 98/100/101	Air Test Patch	2X2
329	Panel 97 (27' to Tie-In)	Damage Patch	2X2
330	Panel 98 (7' to Tie-In)	Damage Patch	2X2
331	Seam 101/102/103	Air Test Patch	2X2
332	DT-49/Seam 99/101 (65' to EOS)	DT Patch	2X7
333	Panel 104 (47' to Tie-In)	Damage Patch	2X2
334	Seam 113/114/119	Air Test Patch	2X7
335	Seam 113/114 (18' to BOS)	Burnout Patch	2X2
336	Seam 113/114/115	Air Test Patch	2X4

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
337	DT-52/Seam 113/115 (36' to EOS)	DT Patch	2X7
338	Panel 74/R254/R250/R249/Tie-In	Damage Patch	6X7
339	Seam 86/87/Tie-In	Air Test Patch	2X2
340	Panels 86/85/Tie-In	Damage Patch	2X2
341	Panel 85/Tie-In	Damage Patch	2X2
342	Seam 84/85/Tie-In	Air Test Patch	2X2
343	Seam 83/84/Tie-In	Air Test Patch	2X2
344	Seam 82/83/Tie-In	Air Test Patch	2X2
345	Panel 82/Tie-In	Damage Patch	2X2
346	Seam 80/82/Tie-In	Air Test Patch	2X2
347	Seam 78/80/Tie-In	Air Test Patch	2X2
348	Seam 77/78/Tie-In	Air Test Patch	2X2
349	Panel 77/Tie-In	Damage Patch	2X2
350	Seam 76/77/Tie-In	Air Test Patch	2X2
351	Panel 76 (9' to Tie-In)	Damage Patch	2X2
352	Panel 76 (10' to Tie-In)	Damage Patch	2X2
353	Seam 75/76/Tie-In	Air Test Patch	2X2
354	Panel 75/Tie-In	Damage Patch	2X2
355	Seam 75/88/Tie-In	Air Test Patch	2X2
356	Seam 88/89/Tie-in	Air Test Patch	2X2
357	Panel 89/Tie-In	Damage Patch	2X2
358	Seam 89/91/Tie-In	Air Test Patch	2X2
359	Panel 91/Tie-In	Damage Patch	2X2
360	Seam 91/92/Tie-In	Air Test Patch	2X2
361	Seam 92/94/Tie-In	Air Test Patch	2X2
362	Seam 94/95/Tie-In	Air Test Patch	2X2
363	Panel 95/Tie-In	Damage Patch	2X2
364	Seam 95/97/Tie-In	Air Test Patch	2X2
365	Seam 97/98/Tie-In	Air Test Patch	2X2
366	Panel 98/Tie-In	Damage Patch	2X2
367	Seam 98/102/Tie-In	Air Test Patch	2X2
368	Panel 102/Tie-In	Damage Patch	2X2
369	Seam 101/103/Tie-In	Air Test Patch	2X2
370	Panel 101/Tie-In	Damage Patch	2X4
371	Seam 99/101/Tie-In	Air Test Patch	2X2
372	Seam 99/104/Tie-In	Air Test Patch	2X2
373	Panel 104/Tie-In	Damage Patch	2X2
374	Seam 104/105/Tie-In	Air Test Patch	2X2
375	Seam 105/107/Tie-In	Air Test Patch	2X4
376	Seam 107/108/Tie-In	Air Test Patch	2X2
377	Panel 108/Tie-In	Damage Patch	2X2
378	Panel 126 (30' to Tie In, 10' to P126/127)	Damage Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
379	Panel 126 (39' to Tie In, 10' to P127/127)	Damage Patch	2X2
380	Panel 126 (44' to Tie In, 10' to P126/127)	Damage Patch	2X2
381	DT-59/Seam 131/132 (221' to BOS)	DT Patch	2X7
382	DT-58/Seam 130/131 (192' to EOS)	DT Patch	2X7
383	DT-56/Seam 126/127 (196' to EOS)	DT Patch	2X7
384	DT-65/Panel 78/Tie-In	DT Patch	2X7
385	P194, 5' to P60/194	Damage Patch	2X2
386	P194, 5' to P60/194	Damage Patch	2X2
387	Seam 60/192/194	Air Test Patch	2X2
388	Seam 59/60/192	Air Test Patch	2X2
389	Seam 59/192 (8' to BOS)	Burnout Patch	2X2
390	Seam 59/191/192	Air Test Patch	2X2
391	Seam 58/59/191	Air Test Patch	2X2
392	Seam 58/190/191	Air Test Patch	2X2
393	Seam 57/58/190	Air Test Patch	2X2
394	Seam 57/188/190	Air Test Patch	2X6
395	Seam 56/57/188	Air Test Patch	2X7
396	Seam 56/187/188	Air Test Patch	2X7
397	Seam 55/56/185/187	Air Test Patch	2X6
398	Seam 50/55/185	Air Test Patch	2X2
399	Seam 50/183/185	Air Test Patch	2X2
400	Seam 50/52/183	Air Test Patch	2X2
401	Seam 52/181/183	Air Test Patch	2X2
402	Seam 52/54/181	Air Test Patch	2X2
403	Seam 37/54/179/181	Air Test Patch	2X15
404	Seam 36/37/178/179	Air Test Patch	2X7
405	Seam 35/36/176/178	Air Test Patch	2X7
406	Seam 33/35/174/176	Air Test Patch	2X8
407	Seam 32/33/172/174	Air Test Patch	6X6
408	Seam 30/32/170/172	Air Test Patch	2X8
409	Seam 29/30/169/170	Air Test Patch	2X8
410	Seam 28/29/167/169	Air Test Patch	3X9
411	Seam 26/28/165/167	Air Test Patch	2X4
412	Seam 25/26/163/165	Air Test Patch	2X7
413	Seam 23/25/161/163	Air Test Patch	2X6
414	Seam22/23/160/161	Air Test Patch	2X6
415	Seam 21/22/159/160	Air Test Patch	2X6
416	Seam 19/21/157/159	Air Test Patch	2X6
417	Seam 18/19/155/157	Air Test Patch	2X6
418	Seam 16/18/153/155	Air Test Patch	2X6
419	Seam 15/16/151/153	Air Test Patch	2X7
420	Seam 14/15/150/151	Air Test Patch	2x9

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
421	Seam 12/14/148/150	Air Test Patch	2X7
422	Seam 11/12/146/148	Air Test Patch	2X7
423	Seam 9/11/144/146	Air Test Patch	3X5
424	Seam 8/9/142/144	Air Test Patch	2X10
425	Seam 7/8/140/142	Air Test Patch	3X7
426	Panel 7/140	Cap	2X22
427	Seam 5/7/138/140	Air Test Patch	3X6
428	Seam 3/5/136/138	Air Test Patch	3X5
429	Seam 1/3/135/136	Air Test Patch	3X4
430	Panel 135 (6' to P1/135)	Damage Patch	2X2
431	Panel 135 (6' to P1/135)	Damage Patch	2X2
432	Seam 135/136/137	Air Test Patch	2X2
433	Panel 137 (4' to P136/137)	Damage Patch	2X5
434	Seam 136/137/138	Air Test Patch	2X2
435	Seam 138/140 (98' to BOS)	Burnout Patch	2X2
436	DT-61/Seam 137/138 (26' to BOS)	DT Patch	2X6
437	Seam 137/138/139	Air Test Patch	2X2
438	Seam 138/139/140	Air Test Patch	2X2
439	Seam 137/139 (112' to EOS)	Burnout Patch	2X2
440	Seam 139/140/141	Air Test Patch	2X2
441	Seam 140/141/143	Air Test Patch	2X2
442	Seam 144/145/146	Air Test Patch	3X3
443	Panel 145 (3' to P144/145)	Damage Patch	2X2
444	Panel 145 (3' to P144/145)	Damage Patch	2X2
445	Seam 143/144/145	Air Test Patch	2X2
446	DT-63/Seam 143/144 (46' to BOS)	DT Patch	2X6
447	Seam 142/143/144	Air Test Patch	2X2
448	Seam 140/142/143	Air Test Patch	2X2
449	Seam 140/142 (63' to EOS)	Burnout Patch	2X2
450	DT-68/Seam 150/151 (75' to EOS)	DT Patch	2X6
451	Seam 150/151/152	Air Test Patch	2X2
452	DT-64/Seam 146/148 (253' to BOS)	DT Patch	2X7
453	DT-69/Seam 152/154 (253' to BOS)	DT Patch	2X7
454	Seam 154/15/156	Air Test Patch	2X2
455	Seam 155/156/157	Air Test Patch	2X2
456	Seam 153/154/155	Air Test Patch	2X2
457	Seam 152/153/154	Air Test Patch	2X2
458	DT-72/Seam 155/157 (184' to BOS)	DT Patch	2X7
459	Seam 155/157 (204' to BOS)	Burnout Patch	2X2
460	Seam 151/152/153	Air Test Patch	2X2
461	Panel 152 (3' to P151/152)	Damage Patch	2X2
462	Panel 152 (3' to P151/152)	Damage Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
463	DT-76/Seam 160/161 (70' to EOS)	DT Patch	2X6
464	Seam 160/161/162	Air Test Patch	2X2
465	Panel 162 (1' to P161/162)	Damage Patch	2X2
466	Panel 162 (1' to P161/162)	Damage Patch	2X2
467	Seam 160/162 (49' to EOS)	Burnout Patch	2X2
468	DT-73/Seam 157/159 (283' to BOS)	DT Patch	2X7
469	DT-75/Seam 160/162 (225' to EOS)	DT Patch	2X7
470	Seam 164/165/166	Air Test Patch	2X2
471	Panel 166 (4' to P165/166)	Damage Patch	2X2
472	Panel 166 (4' to P165/166)	Damage Patch	2X2
473	Seam 165/166/167	Air Test Patch	2X2
474	DT-81/Seam 164/167 (110' to BOS)	DT Patch	2X7
475	Seam 163/164/165	Air Test Patch	2X2
476	Seam 162/163/164	Air Test Patch	2X2
477	DT-77/Seam 162/163 (30' to BOS)	DT Patch	2X7
478	DT-80/Seam 163/165 (156' to BOS)	DT Patch	2X6
479	Seam 161/162/163	Air Test Patch	2X2
480	Seam 161/163 (4' to BOS)	Burnout Patch	2X2
481	Seam 161/163 (7' to BOS)	Burnout Patch	2X3
482	Seam 161/163 (71' to EOS)	Burnout Patch	2X2
483	Seam 161/163 (60' to EOS)	Burnout Patch	2X8
484	Seam 161/163 (35' to EOS)	Burnout Patch	2X2
485	Seam 161/163 (8' to EOS)	Burnout Patch	2X2
486	DT-83/Seam 167/169 (71' to EOS)	DT Patch	2X7
487	Seam 167/169 (22' to EOS)	Burnout Patch	2X2
488	Seam 165/167 (158' to EOS)	Burnout Patch	2X2
489	DT-84/Seam 169/171 (18' to BOS)	DT Patch	2X7
490	Seam 173/174/175	Air Test Patch	2X2
491	Panel 175 (3' to P174/175)	Damage Patch	2X2
492	Panel 175 (3' to P174/175)	Damage Patch	2X2
493	Seam 174/175/176	Air Test Patch	2X2
494	Seam 174/176 (323' to EOS)	Burnout Patch	2X5
495	DT-86/Seam 173/174 (63' to BOS)	DT Patch	2X6
496	Seam 172/173/174	Air Test Patch	2X2
497	Panel 173 (4' to P172/173)	Damage Patch	2X2
498	Seam 171/172/173	Air Test Patch	2X3
499	Seam 171/172 (39' to EOS)	Burnout Patch	2X4
500	Seam 171/172 (28' to EOS)	Burnout Patch	2X2
501	Seam 170/171/172	Air Test Patch	2X4
502	Panel 171 (2' to P170/171)	Damage Patch	2X2
503	Panel 171 (2' to P170/171)	Damage Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
504	Seam 169/170/171	Air Test Patch	2X4
505	DT-85/Seam 170/172 (91' to EOS)	DT-Patch	2X7
506	Seam 170/172 (22' to EOS)	Burnout Patch	2X2
507	Seam 181/183 (17' to EOS)	Burnout Patch	2X2
508	Seam 179/181 (63' to BOS)	Burnout Patch	2X2
509	Seam 179/180/181	Air Test Patch	2X2
510	Panel 180 (3' to P179/180)	Damage Patch	2X2
511	Seam 178/179/180	Air Test Patch	2X2
512	DT-89/Seam 180/181 (88' to EOS)	DT-Patch	2X7
513	DT-91/Seam 183/185 (237' to BOS)	DT-Patch	2X7
514	Seam 180/181/182	Air Test Patch	2X4
515	Panel 182 (3' to P181/182)	Damage Patch	2X2
516	Seam 181/182/183	Air Test Patch	2X2
517	DT-88/Seam 178/180 (218' to EOS)	DT-Patch	2X7
518	Seam 182/183/184	Air Test Patch	2X3
519	Seam 183/184	Damage Patch	2X2
520	Panel 184 (1' to P183/184)	Damage Patch	2X2
521	Seam 183/184/185	Air Test Patch	2X2
522	DT-92/Seam 185/187 (278' to EOS)	DT-Patch	2X7
523	Seam 189/190/195	Air Test Patch	2X2
524	Seam 190/191/195	Air Test Patch	2X2
525	DT-94/Seam 189/190 (65' to EOS)	DT-Patch	2X7
526	Seam 185/187 (130' to EOS)	Burnout Patch	2X2
527	Seam 187/188/189	Air Test Patch	2X2
528	Seam 188/189/190	Air Test Patch	2X2
529	DT-95/Seam 191/192 (155' to EOS)	DT-Patch	2X7
530	DT-96/Seam 192/194 (125' to BOS)	DT-Patch	2X7
531	Panel 185 (138' to BOS)	Damage Patch	2X2
532	Seam 135/137/196/197	Air Test Patch	2X2
533	Seam 137/139/197/198	Air Test Patch	2X2
534	DT-60/Seam 137/139 (80' to BOS)	DT-Patch	2X7
535	DT-62/Seam 141/143 (68' to BOS)	DT-Patch	2X7
536	Seam 145/146/147	Air Test Patch	2X2
537	Panel 147 (5' to P146/147)	Damage Patch	2X2
538	Seam 146/147/148	Air Test Patch	2X2
539	DT-66/Seam 148/150 (59' to BOS)	DT-Patch	2X7
540	Seam 145/147 (51' to BOS)	Burnout Patch	2X2
541	Seam 147/148/149	Air Test Patch	2X2
542	Seam 148/149/150	Air Test Patch	2X2
543	DT-67/Seam 150/152 (327' to EOS)	DT-Patch	2X7
544	DT-70/Seam 154/156 (63' to EOS)	DT-Patch	2X7
545	Seam 156/157/158	Air Test Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
546	Seam 157/158/159	Air Test Patch	2X2
547	DT-74/Seam 159/160 (100' to BOS)	DT Patch	2X6
548	DT-71/Seam 156/158 (72' to BOS)	DT Patch	2X6
549	DT-78/Seam 162/164 (154' to BOS)	DT Patch	2X6
550	DT-79/Seam 164/166 (142' to BOS)	DT Patch	2X6
551	Seam 166/167/168	Air Test Patch	2X2
552	Seam 167/168/169	Air Test Patch	2X3
553	DT-82/Seam 168/169 (15' to EOS)	DT Patch	2X6
554	DT-87/Seam 175/177 (24' to EOS)	DT Patch	2X6
555	Seam 175/176/177	Air Test Patch	2X2
556	Seam 176/177/178	Air Test Patch	2X2
557	Seam 176/177 (22' to BOS)	Burnout Patch	2X4
558	Seam 177/178 (56' to BOS)	Burnout Patch	2X2
559	Seam 177/178 (25' to BOS)	Burnout Patch	2X2
560	Seam 175/177 (16' to BOS)	Burnout Patch	2X2
561	Panel 182 (100' to BOS)	Damage Patch	2X2
562	DT-90/Seam 182/184 (62' to EOS)	DT Patch	2X6
563	Seam 184/185 (7' to BOS)	Burnout Patch	2X6
564	Seam 184/185/186	Air Test Patch	2X2
565	Seam 185/186/187	Air Test Patch	2X2
566	DT-93/Seam 187/189 (65' to BOS)	DT Patch	2X6
567	DT-116/Panel 103/Tie-In (6' to R369)	DT Patch	2X7
568	Seam 108/110/Tie-In	Air Test Patch	2X2
569	Seam 110/111/Tie-In	Air Test Patch	2X2
570	Panel 111 (3' to Tie-In)	Damage Patch	2X2
571	Panel 111 (3' to Tie-In)	Damage Patch	2X2
572	Seam 11/112/Tie-In	Air Test Patch	2X2
573	Panel 112/Tie-In	Damage Patch	2X2
574	Seam 112/113/Tie-In	Air Test Patch	2X4
575	Seam 113/119/Tie-In	Air Test Patch	2X3
576	Seam 119/120/Tie-In	Air Test Patch	2X2
577	Seam 120/121/Tie-In	Air Test Patch	2X2
578	Panel 120/Tie-In	Damage Patch	2X2
579	Panel 120 (15' to Tie-In)	Damage Patch	2X2
580	Panel 120 (15' to Tie-In)	Damage Patch	2X2
581	Panel 120 (13' to Tie-In)	Damage Patch	2X2
582	Seam 121/122/Tie-In	Air Test Patch	2X2
583	Panel 122 (12' to Tie-In)	Damage Patch	2X2
584	Panel 122 (12' to Tie-In)	Damage Patch	2X2
585	Seam 122/123/Tie-In	Air Test Patch	2X2
586	Seam 123/124/Tie-In	Air Test Patch	2X2
587	Panel 124 (11' to Tie-In), (10' to P123/124)	Damage Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
588	Panel 124 (11' to Tie-In), (10' to P123/124)	Damage Patch	2X2
589	Seam 124/125/Tie-In	Air Test Patch	2X2
590	Panel 125/Tie-In	Damage Patch	2X2
591	Seam 125/126	Air Test Patch	2X2
592	Panel 126/Tie-In	Damage Patch	2X2
593	Panel 126/Tie-In	Damage Patch	2X2
594	Seam 126/127/Tie-In	Air Test Patch	2X2
595	Seam 127/128/Tie-In	Air Test Patch	2X4
596	Seam 128/129/Tie-In	Air Test Patch	2X2
597	DT-115/Panel 129/Tie-In	DT Patch	2X6
598	Panel 129/Tie-In	Damage Patch	2X2
599	Panel 129 (8' to Tie-In), (9' to P129/130)	Damage Patch	2X2
600	Seam 129/130/Tie-In	Air Test Patch	2X2
601	Panel 130/Tie-In	Damage Patch	2X2
602	Panel 29/R106/Tie-In	Damage Patch	2X5
603	Panel 24/R102	Cap	2X14
604	Seam 60/61/194	Air Test Patch	2X2
605	Seam 61/194/R609	Air Test Patch	2X2
606	Seam 61/88/R609	Air Test Patch	2X2
607	Seam 88/90/R609	Air Test Patch	2X2
608	Seam 90/194/R609	Air Test Patch	2X2
609	Panels 88/61/90/194	Damage Patch	12X12
610	Seam 90/91/194	Air Test Patch	2X2
611	Seam 91/93/194	Air Test Patch	2X2
612	Seam 93/94/194	Air Test Patch	2X2
613	Seam 94/96/194	Air Test Patch	2X2
614	Seam 96/97/194	Air Test Patch	2X2
615	Seam 97/98/194	Air Test Patch	2X2
616	Seam 98/104/194	Air Test Patch	2X2
617	Seam 104/106/194	Air Test Patch	2X2
618	Seam 106/191/193	Air Test Patch	2X2
619	Seam 192/193/194	Air Test Patch	2X2
620	Seam 106/107/193	Air Test Patch	2X2
621	Seam 107/109/193	Air Test Patch	2X2
622	Panels 192/193 (20' to BOS, 6'N)	Damage Patch	2X2
623	Seam 109/110/192/193	Air Test Patch	2X3
624	Seam 110/11/192	Air Test Patch	2X2
625	Seam 111/112/192	Air Test Patch	2X2
626	Seam 112/191/192	Air Test Patch	2X2
627	Seam 112/113/191	Air Test Patch	2X4
628	Seam 113/118/191/195	Air Test Patch	2X8

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
629	Seam 117/118/195	Air Test Patch	2X2
630	Seam 116/117/195	Air Test Patch	2X2
631	Seam 114/116/195	Air Test Patch	2X2
632	Seam 114/119/195	Air Test Patch	2X2
633	Seam 119/120/195	Air Test Patch	2X2
634	Seam 120/195 (10' to BOS)	Field Coupon Patch	2X2
635	Seam 120/121/195	Air Test Patch	2X2
636	Seam 121/122/195	Air Test Patch	2X2
637	Seam 122/123/195	Air Test Patch	2X2
638	Seam 123/124/195	Air Test Patch	2X2
639	Seam 124/195/227	Air Test Patch	3X3
640	Seam 124/125/227	Air Test Patch	2X2
641	Seam 125/126/227	Air Test Patch	2X2
642	Seam 126/127/227	Air Test Patch	2X2
643	Seam 127/128/227	Air Test Patch	2X2
644	Seam 128/129/227	Air Test Patch	2X2
645	Seam 129/130/227	Air Test Patch	2X2
646	Seam 130/131/227	Cap	2X30
647	Seam 189/195/226/227	Air Test Patch	2X3
648	Seam 189/226 (11' to BOS, 2'W)	Damage Patch	2X2
649	Seam 187/189/225/226	Air Test Patch	2X6
650	Seam 186/187/224/225	Air Test Patch	2X5
651	Seam 184/186/223/224	Air Test Patch	2X2
652	Panel 223 (2' to P184/223)	Damage Patch	2X2
653	Seam 182/184/222/223	Air Test Patch	2X5
654	Seam 180/182/221/222	Air Test Patch	2X4
655	Seam 178/181/220/221	Air Test Patch	2X4
656	Panel 220 (7' to P178/220)	Damage Patch	2X2
657	Seam 177/178/219/220	Air Test Patch	2X5
658	Seam 175/177/218/219	Air Test Patch	2X6
659	Seam 173/175/217/218	Air Test Patch	2X6
660	Seam 171/173/216/217	Air Test Patch	2X6
661	Seam 169/171/215/216	Air Test Patch	2X6
662	Seam 168/169/214/215	Air Test Patch	2X6
663	Seam 166/168/213/214	Air Test Patch	2X6
664	Seam 164/166/212/213	Burnout Patch	5X5
665	Seam 164/212	Field Coupon Patch	2X2
666	Seam 162/164/211/212	Air Test Patch	2X8
667	Panel 211 (5' to P162/211)	Damage Patch	2X2
668	Seam 160/162/210/211	Air Test Patch	2X6
669	Seam 159/160/209/210	Air Test Patch	2X6
670	Seam 159/209	Field Coupon Patch	2X4

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
671	Seam 158/159/208/209	Air Test Patch	2X7
672	Panel 208 (6' to P158/208)	Damage Patch	2X2
673	Panel 208 (6' to P158/208)	Damage Patch	2X2
674	Seam 156/158/207/208	Air Test Patch	2X4
675	Seam 154/156/206/207	Air Test Patch	2X4
676	Seam 152/154/205/206	Air Test Patch	2X4
677	Seam 150/152/203/204	Air Test Patch	2X4
678	Seam 149/150/203/204	Air Test Patch	2X4
679	Seam 147/149/202/203	Air Test Patch	2X4
680	Seam 145/147/201/202	Air Test Patch	2X6
681	Seam 143/145/200/201	Air Test Patch	2X5
682	Seam 141/143/199/200	Air Test Patch	2X5
683	Seam 139/141/198/199	Air Test Patch	2X6
684	Seam 139/198 (11' to BOS, 10'E)	Boot Patch	6X10
685	Seam 135/198 (11' to BOS, 9'W)	Damage Patch	2X2
686	DT-98/Seam 197/198 (80' to EOS)	DT Patch	2X6
687	Seam 197/198 (114' to EOS)	Burnout Patch	2X2
687A	DT-97/Seam 196/197 (91' to EOS)	DT Patch	2X7
688	Seam 199/200 (98' to EOS)	Burnout Patch	2X2
689	DT-99/Seam 198/199 (75' to BOS)	DT Patch	2X6
690	Seam 96/97 (37' to BOS)	Damage Patch	2X10
691	Seam 96/97 (37' to BOS, 11'N)	Boot Patch	4X7
692	DT-100/Seam 200/201 (43' to BOS)	DT Patch	2X6
693	DT-103/Seam 203/204 (45' to BOS)	DT Patch	2X6
694	DT-101/Seam 204/205 (110' to EOS)	DT Patch	2X6
695	DT-102/Seam 202/203 (165' to BOS)	DT Patch	2X6
696	DT-104/Seam 204/205 (190' to BOS)	DT Patch	2X6
697	Seam 205/206 (104' to EOS)	Boot Patch	4X6
698	DT-105/Seam 206/207 (106' to BOS)	DT Patch	2X6
699	Seam 207/208 (50' to BOS)	Damage Patch	2X2
700	DT-106/Seam 208/209 (53' to BOS)	DT Patch	2X6
701	DT-107/Seam 212/213 (42' to BOS)	DT Patch	2X6
702	Seam 212/213 (15' to BOS)	Damage Patch	2X5
703	Panels 212/213 (15' to BOS, 7'N)	Boot Patch	4X4
704	DT-108/Seam 213/214 (135' to EOS)	DT Patch	2X6
705	DT-109/Seam 215/216 (57' to EOS)	DT Patch	2X6
706	DT-110/Seam 217/218 (110' to EOS)	DT Patch	2X6
707	DT-111/Seam 220/221 (62' to BOS)	DT Patch	2X6
708	Seam 220/221 (48' to BOS)	Damage Patch	2X5
709	Panels 220/221 (48' to BOS, 7'N)	Boot Patch	4X6
710	DT-112/Seam 222/223 (100' to BOS)	DT Patch	2X6
711	DT-113/Seam 224/225 (130' to BOS)	DT Patch	2X6
712	Seam 225/226 (107' to EOS)	Burnout Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
713	DT-114/Seam 225/226 (168' to EOS)	DT-Patch	2X6
714	Seam 132/133/227	Air Test Patch	2X2
715	Seam 133/134/227	Air Test Patch	2X2
716	FC-3/Seam 185/186 (11' to BOS)	Field Coupon Patch	2X2
717	Panels 180/182 (59' to BOS)	Boot Patch	4X11
718	Panels 178/180 (7' to BOS, 7'N)	Boot Patch	3X7
719	Panels 167/169 (416' to EOS)	Boot Patch	4X6
720	Panels 166/167 (103' to BOS, 12'S)	Boot Patch	4X12
721	DT-118/Seam 164/166 (145' to BOS)	DT-Patch	2X6
722	Panels 152/154 (100' to BOS)	Boot Patch	4X5
723	Panels 137/139 (137' to EOS)	Boot Patch	4X8
724	Seam 137/139 (146' to EOS)	Damage Patch	2X2
725	Panels 135/137 (366' to BOS, 10'N)	Boot Patch	4X6
726	Panels 152/154 (290' to BOS, 8'S)	Boot Patch	3X5
727	Seam 152/154 (290' to BOS)	Damage Patch	2X7
728	Panels 152/154 (284' to BOS, 10'N)	Boot Patch	4X5
729	Panels 163/165 (33' to BOS, 9'N)	Boot Patch	4X5
730	Panels 181/183 (35' to BOS)	Boot Patch	4X6
730A	DT-117/Seam 178/180	DT-Patch	2X6
731	Panels 180/182 (186' to BOS)	Boot Patch	4X8
732	Panels 191/192 (7' to BOS, 7'S)	Boot Patch	4X7
732A	Panel 191	Damage Patch	2X2
733	Panels 110/192 (5' to BOS, 6'S)	Boot Patch	4X4
734	Panels 94/96 (30' to BOS, 10'E)	Boot Patch	4X4
735	Panels 55/56/187	Boot Patch	4X5
736	Panels 170/172 (56' to BOS, 9'S)	Boot Patch	4X5
737	Panels 151/153 (50' to BOS)	Boot Patch	4X4
738	Panel 170 (3' to P30/170)	Damage Patch	2X2
739	Panels 32/172/R407	Boot Patch	4X4
740	Panel 120 (25' to BOS)	Damage Patch	2X2
741	Panel 211 (9' to R667)	Damage Patch	2X2
742	FC-8/Seam 128/227 (12' to BOS)	Field Coupon Patch	2X2
743	Panel 124 (170' to BOS)	Damage Patch	2X2
744	DT-57/Seam 128/129 (180' to BOS)	DT-Patch	2X7
745	Panels 128/129 (8' to BOS)	Boot Patch	2X4
746	Panels 133/134 (144' to Tie In)	Boot Patch	5X5
747	Panels 126/127 (136' to EOS)	Boot Patch	4X4
748	Panels 125/126 (46' to EOS)	Boot Patch	8X10
749	Panels 125/126 (20' to Tie In)	Boot Patch	5X6
750	Panel 126/Tie-In	Boot Patch	6X8
751	Panel 120 (40' to BOS)	Boot Patch	4X4

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
752	Panel 119/120 (46' to BOS)	Damage Patch	2X5
753	Panel 120/R754 (177' to BOS)	Boot Patch	2X7
754	Panels 119/120 (177' to BOS)	Damage Patch	3X13
755	Panel 110/R756	Boot Patch	3X5
756	Seam 108/110 (13' to BOS)	Burnout Patch	2X10
757	Panel 105 (100' to EOS)	Boot Patch	3X6
758	Panels 98/101/102	Boot Patch	4X4
759	Panels 101/102 (36' to BOS)	Boot Patch	4X7
760	Panels 102/103/Tie-In	Boot Patch	7X7
761	Panels 88/89 (15' to BOS)	Boot Patch	5X5
762	Panels 66/68/R763	Boot Patch	4X6
763	Seam 66/68 (12' to BOS)	Burnout Patch	2X2
764	Panel 85/R765 (34' to Tie-In)	Boot Patch	5X7
765	Panels 85/86 (22' to BOS)	Boot Patch	4X8
766	Panels 85/86 (12' to Tie-In)	Boot Patch	4X6
767	Panels 85/86/Tie-In	Boot Patch	5X7
768	Panels 58/59 (179' to BOS)	Boot Patch	4X4
769	Panels 46/47 (7' to BOS)	Damage Patch	3X4
770	Panel 46/R769	Boot Patch	4X4
771	Panels 33/34 (15' to BOS)	Boot Patch	3X7
772	Panels 31/33 (264' to BOS)	Boot Patch	4X8
773	Panels 22/23 (260' to BOS)	Damage Patch	3X4
774	Panels 22/23/R773 (260' to BOS)	Boot Patch	4X4
775	Panels 13/15 (164' to BOS)	Damage Patch	2X4
776	Panels 13/15 (164' to BOS)	Boot Patch	4X4
777	Panels 2/4 (20' to BOS)	Boot Patch	4X7
778	Panels 9/11 (104' to BOS)	Damage Patch	3X5
779	Panels 9/11/R778	Boot Patch	4X4
780	Panels 22/23 (80' to BOS)	Boot Patch	4X4
781	Panels 33/35 (110' to BOS)	Boot Patch	4X5
782	Panels 46/48 (2' to R155, 25' to EOS)	Damage Patch	2X2
783	Panel 99 (25' to Tie-In)	Damage Patch	2X2
784	Panel 145 (12' to BOS)	Damage Patch	2X2
785	Panels 144/145 (12' to BOS)	Damage Patch	2X2
786	Panel 164 (200' to BOS)	Damage Patch	2X2
787	Panels 174/175 (28' to EOS, 9'N)	Damage Patch	2X2
788	Panels 174/175 (28' to EOS)	Damage Patch	2X2
789	Seam 182/183 (9' to BOS, 11'S)	Damage Patch	2X2
790	Panels 31/33 (260' to BOS, 5'S)	Washout Cap	2X135
791	Panels 31/33 (250' to BOS)	Washout Cap	2X22
792	Panels 33/34 (6' to BOS)	Washout Cap	2X22
793	Panels 33/34 (6' to BOS)	Washout Cap	2X12

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
794	Seam 33/34/R792 (N)	Air Test Patch	2X2
795	Seam 31/32/R792 (S)	Air Test Patch	2X4
796	Seam 33/31/R791	Air Test Patch	2X2
797	Panel 15/Tie-In (10' to BOS)	Damage Patch	2X2
798	Panel 19/Tie-In (7' to BOS)	Damage Patch	2X2
799	Panel 19/Tie-In (15' to BOS)	Damage Patch	2X6
800	Panel 20/Tie-In (11' to BOS)	Damage Patch	2X6
801	Panel 22/Tie-In (3' to BOS)	Damage Patch	2X2
802	Panel 22/Tie-In (12' to BOS)	Damage Patch	2X2
803	Panel 22/Tie-In (11' to BOS)	Damage Patch	2X2
804	Panel 23/Tie-In (10' to BOS)	Damage Patch	2X16
805	Panels 31/32/R790	Washout Cap	2X27
806	Seam 37/38	Damage Patch	2X2
807	Panel 49 (2' to R171)	Damage Patch	2X2
808	Panels 108/110 (16' to BOS, EOS)	Washout Cap	2X128
809	Panel 108/110 (5' to Tie-In)	Washout Cap	2X18
810	DT-138/Seam 125/126 (2' to P125/126)	DT-Patch	2X6
811	DT-137/Panel 85 (23' to Tie-In)	DT-Patch	2X6
812	DT-139/Seam 31/33 (6' to Tie In, 39' to P31/R790)	DT-Patch	2X6
813	FC-15/Seam 10/11 (12' to BOS)	Field Coupon Patch	2X3
814	FC-14/Seam 20/21 (12' to BOS)	Field Coupon Patch	2X3
815	FC-13/Seam 34/35 (12' to BOS)	Field Coupon Patch	2X3
816	FC-12/Seam 66/67 (9' to EOS)	Field Coupon Patch	2X3
817	FC-16/Seam 69/82 (7' to BOS)	Field Coupon Patch	2X3
818	FC-17/Seam 65/81 (9' to BOS)	Field Coupon Patch	2X3
819	FC-11/Seam 89/90 (12' to BOS)	Field Coupon Patch	2X3
820	FC-10/Seam 100/101 (7' to EOS)	Field Coupon Patch	2X3
821	FC-9/Seam 108/109 (9' to EOS)	Field Coupon Patch	2X3
822	Panel 60/(RF-20) (11' to P60/61)	Damage Patch	2X2
823	Seam 61/62 (2' to RF-20/21, BOS)	Damage Patch	2X4
824	Panels 13/15 (2' to RF-12, 5' to P13/15)	Washout Cap	4X114
825	Seam 13/15 (1' to R776)	Air Test Patch	3X14
826	Seam 13/15/(R824) (2' to RF12)	Air Test Patch	2X15
827	Panel 130/Tie-In (6' to R828)	Damage Patch	2X5
828	Seam 130/131	Air Test Patch	2X2
829	Panel 130 (8' to Tie In, 8' to P130/131)	Damage Patch	2X2
830	Seam 131/132/Tie-In	Air Test Patch	2X2
831	Seam 132/133/Tie-in	Air Test Patch	2X2
832	Panel 131/(Tie In) (5' to R828)	Damage Patch	2X2
833	Panel 132/Tie-In (7' to P132/133)	Damage Patch	2X2
834	FC-18/Seam 13/15 (6' to P13/R824, 14' to R826)	Field Coupon Patch	2X3
835	DT-141/Seam 106/193 (9' to R620)	DT-Patch	2X6

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
836	Panel 192 (11' to R624, 8' to P191/192)	Damage Patch	2X2
837	Panel 191 (14' to R732, 9' to R627)	Damage Patch	2X2
838	Seam 118/195 (6' to P118/195)	Cap	2X2
839	DT-140/Seam 122/195 (8' to R637)	DT-Patch	2X6
840	Panel 123 (1' to RF36, 3' to P123/124)	Damage Patch	2X2
841	Panel 31 (76' to RF10, 10' to P29/30)	Damage Patch	2X2
842	Panel 29 (147' to RF10, 10' to P29/30)	Damage Patch	2X2
843	Panel 42 (7' to P41/41, 31' to BOS)	Damage Patch	2X2
844	Panels 8/9 (50' to BOS)	Damage Patch	2X3
845	Panel 62 (5' to P61/62, 192' to BOS)	Damage Patch	2X2
846	Panel 94 (5' to P91/94, 10' to R610)	Cap	2X2
847	RF 17/18	Subgrade Repair	11.0
848	RF16/17	Subgrade Repair	11.0
849	Panels 39/49/(RF16) (10' to RF16/17)	Subgrade Repair	11.0
850	RF 14/15	Subgrade Repair	11.0
851	Seam 133/134/Tie-In	Air Test Patch	2X2
852	Panel 134/Tie In (4' to R851)	Damage Patch	2X2
853	Panel 134/Tie In (8' to R851)	Damage Patch	2X2
854	Panel 134 (3' to Tie In/R853)	Damage Patch	2X2
855	Panel 134 (8' to Tie In/R853	Damage Patch	2X2
856	Seam 134/228/Tie-In	Air Test Patch	2X2
857	DT-145/Seam 134/228 (73' to BOS)	DT-Patch	2X7
858	DT-146/Seam 229/230 (168' to BOS)	DT-Patch	2X8
859	Panels 233 (178' to BOS, 11' to P232/233)	Boot Patch	4X4
860	Seam 233/234 (178' to BOS)	Burnout Patch	2X7
861	DT-148/Seam 233/234 (163' to BOS)	DT-Patch	2X7
862	DT-149/Seam 235/236 (93' to BOS)	DT-Patch	2X6
863	DT-150/Seam 236/237 (170' to BOS)	DT-Patch	2X6
864	Panels 239/240 (181' to BOS)	Boot Patch	4X4
865	DT-153/Seam 241/242 (165' to BOS)	DT-Patch	2X6
866	Panels 240/241 (102' to BOS)	Damage Patch	2X2
867	DT-152/Seam 240/241 (88' to BOS)	DT-Patch	2X6
868	Seam 243/244 (28' to BOS)	Burnout Patch	2X2
869	DT-157/Seam 245/246 (55' to BOS)	DT-Patch	2X6
870	Seam 246/247 (77' to BOS)	Burnout Patch	2X2
871	DT-156/Seam 244/245 (115' to BOS)	DT-Patch	2X6
872	DT-155/Seam 243/244 (163' to BOS)	DT-Patch	2X6
873	Panels 246/247 (180' to BOS)	Boot Patch	4X5
874	DT-158/Seam 247/248 (170' to BOS)	DT-Patch	2X6
875	Seam 251/252/254	Air Test Patch	2X7
876	Seam 252/253 (3' to EOS)	Field Coupon Patch	2X3
877	Seam 252/253/254	Air Test Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
878	Panels 254 (132' to Tie In, 11' to P253/245)	Boot Patch	4X3
879	Seam 253/254 (132' to EOS)	Burnout Patch	2X7
880	DT-160/Seam 252/254 (45' to BOS)	DT Patch	2X7
881	Seam 254/255/256	Air Test Patch	2X2
882	Panel 255 (2' to P255/256, 11' to P254/255)	Damage Patch	2X2
883	Seam 255/256/257	Air Test Patch	2X2
884	DT-161/Seam 258/259 (39' to BOS)	DT Patch	2X6
885	Seam 259/260/(60 mil)	Air Test Patch	2X2
886	Panel 39/Tie-In (4' to R885, N)	Damage Patch	2X2
887	Panel 39/Tie-In (8' to R885, N)	Damage Patch	2X2
888	Panels 259/38/39(60 mil.)	Damage Patch	2X2
889	Seam 258/259/38(60 mil.)	Air Test Patch	2X2
890	Seam 257/258/37/38(60 mil.)	Air Test Patch	2X2
891	Seam 255/257/37(60 mil.)	Air Test Patch	2X2
892	Panels 255/(60 mil) 36/37 (5' to R891)	Damage Patch	2X2
893	Seam 254/255/36(60 mil.)	Air Test Patch	2X2
894	Seam 254/(60 mil) 35/36 (7' to R893)	Damage Patch	2X2
895	Seam 252/254/(60 mil) 35	Air Test Patch	2X2
896	Seam 252/(60 mil) 34/35 (7' to R895)	Damage Patch	2X2
897	Seam 251/252/(60 mil) 33/34	Air Test Patch	2X2
898	Seam 249/250/(60 mil) 32/33	Air Test Patch	2X2
899	Seam 249/60 mil 32/33 (3' to R898)	Damage Patch	2X2
900	Seam 249/(60 mil) 31/32	Damage Patch	2X2
901	DT-162/Seam 260/261 (63' to BOS)	DT Patch	2X6
902	Panel 260/261 (55' to BOS)	Boot Patch	4X5
903	Panel 260 (50' to Tie In, 2' to P259/260)	Boot Patch	4X5
904	Panel 259 (8' to P259/260, 55' to BOS)	Damage Patch	2X2
905	DT-163/Seam 262/263 (18' to BOS)	DT Patch	2X6
906	Seam 261/262 (45' to BOS)	Damage Patch	2X2
907	Seam 257/258 (158' to BOS)	Burnout Patch	2X6
908	Panel 257 (22' to Tie In, 4' to P256/257)	Damage Patch	2X2
909	Panels 256/257 (40' to Tie In)	Boot Patch	4X5
910	DT-159/Seam 250/251 (245' to BOS)	DT Patch	2X6
911	DT-154/Seam 242/243 (270' to BOS)	DT Patch	2X6
912	Panel 239/240 (240' to BOS)	Damage Patch	2X2
913	DT-151/Seam 238/239 (282' to BOS)	DT Patch	2X6
914	Panel 236/237 (208' to BOS)	Boot Patch	4X4
915	Panel 234/235 (214' to BOS)	Boot Patch	3X4
916	Panel 234/235 (198' to BOS)	Damage Patch	2X2
917	DT-147/Seam 231/232 (240' to BOS)	DT Patch	2X6
918	Panel 232 (9' to P232/233, 220' to BOS)	Damage Patch	2X2
919	Panel 232 (9' to P232/233, 228' to BOS)	Damage Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
920	Panel 232 (9' to P232/233, 236' to BOS)	Damage Patch	2X2
921	Panel 232 (9' to P232/233, 246' to BOS)	Damage Patch	2X2
922	Panel 232 (9' to P232/233, 254' to BOS)	Damage Patch	2X2
923	Panel 232 (9' to P232/233, 262' to BOS)	Damage Patch	2X2
924	Panel 232 (9' to P232/233, 270' to BOS)	Damage Patch	2X2
925	Panel 232 (9' to P232/233, 278' to BOS)	Damage Patch	2X2
926	Panel 232 (9' to P232/233, 278' to BOS)	Damage Patch	2X2
927	Panel 232 (9' to P232/233, 286' to BOS)	Damage Patch	2X2
928	Panel 232 (9' to P232/233, 295' to BOS)	Damage Patch	2X2
929	Panel 232 (12' to P232/233, 296' to BOS)	Damage Patch	2X2
930	Panel 228/(Tie In) (6' to R931)	Damage Patch	2X2
931	Seam 228/229/Tie-In	Air Test Patch	2X2
932	Seam 229/230/Tie-In	Air Test Patch	2X2
933	Panel 230/(Tie In) (7' to R932)	Damage Patch	2X2
934	Panel 230 (3' to Tie In, 11' to P229/230)	Damage Patch	2X2
935	Seam 230/231/Tie-In	Air Test Patch	2X2
936	Panel 231 (4' to P230/231, 7' to Tie In)	Damage Patch	2X2
937	Panel 231 (10' to P231/232, 7' to Tie In)	Damage Patch	2X3
938	Panel 231/(Tie In) (7' to R939)	Damage Patch	2X2
939	Seam 231/232/Tie-In	Air Test Patch	2X2
940	Panel 232 (7' to Tie In, 11' to P231/232)	Damage Patch	2X2
941	Panel 232 (9' to Tie In, 10' to P232/233)	Damage Patch	2X6
942	Panel 232 (13' to Tie In, 11' to P232/233)	Damage Patch	2X2
943	Panel 232 (17' to Tie In, 10' to P232/233)	Damage Patch	2X2
944	Seam 232/233/Tie-In	Air Test Patch	2X2
945	Panel 233/(Tie In) (7' to R944)	Damage Patch	2X2
946	Panel 233 (10' to Tie In, 9' to P233/234)	Damage Patch	2X2
947	Seam 233/234/Tie-In	Air Test Patch	2X2
948	Panel 234/(Tie *In) (6' to* R949)	Damage Patch	2X2
949	Seam 234/235/Tie-In	Air Test Patch	2X2
950	Seam 235/236/Tie-In	Air Test Patch	2X2
951	Panel 42/(R133) (1' to P39/42)	Damage Patch	13X17
952	Panel 260/(Tie In) (13' to R885)	Damage Patch	2X3
953	Panel 259/260/(Tie In) (60mil)	Air Test Patch	2X3
954	Panel 261/(Tie In) (14' to R953)	Damage Patch	2X3
955	Panels 261/262/(Tie In)	Air Test Patch	2X2
956	(Tie In) (2' to) Panel 262/Tie In, (2' to R957)	Damage Patch	2X2
957	Panel 262/Tie In (19' to R958)	Damage Patch	2X2
958	Panels 262/263/(Tie In)	Air Test Patch	2X2
959	Panel 263/Tie In (13' to R958)	Damage Patch	2X4
960	Panels 263/264	Air Test Patch	2X2
961	Panel 264/(Tie In) (13' to R960)	Damage Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
962	Panel 263 (4' to P262/263, 20' to EOS)	Damage Patch	2X2
963	Panel 264/(Tie In) (20' to R960)	Damage Patch	2X3
964	Panels 235/236/(Slope/Top)	Subgrade Repair	5X102
965	Panels 235/236/(North Slope)	Subgrade Repair	5X102
966	Panels 234/235/(R965/967)	Subgrade Repair	5X94
967	Panels 233/234/(R966)	Subgrade Repair	5X32
968	Panels 236/(R968)/237	Subgrade Repair	5X22
969	Panel 235 (6' to R964, 77' to BOS)	Damage Patch	2X2
970	Panels 235/236/(R964/965)	Air Test Patch	3X7
971	Panels 235/236/(R965/966)	Air Test Patch	3X7
972	Panel 235/(R966) (106' to EOS)	Damage Patch	4X6
973	Panel 235/(R915) (214' to BOS)	Damage Patch	4X4
974	Panels 234/235/(R966)	Air Test Patch	2X2
975	Panels 234/235/(R966)	Air Test Patch	2X2
976	Panels 233/234/(R966/967)	Air Test Patch	3X7
977	Panels 233/234/(R967)	Air Test Patch	2X2
978	Panel 233/(R967) (2' to EOS)	Burnout Patch	2X2
979	Panel 133/134/Tie In	Damage Patch	2X12
980	Panel 134/(Tie In) (6' to P133/134)	Damage Patch	2X2
981	Panels 134/228/Tie In	Damage Patch	2X2
982	Panel 228 (7' to R983)	Damage Patch	2X2
983	Panels 228/229/Tie In	Damage Patch	2X2
984	Panels 229/230/Tie In	Damage Patch	2X2
985	Panel 230/Tie In (6' to R984)	Damage Patch	2X2
986	Panel 230/231/Tie In	Damage Patch	2X2
987	DT-167/Panel 231/Tie In (7' to R986)	DT-Patch	2X6
988	Panel 231/Tie In (6' to R989)	Damage Patch	2X2
989	Panels 231/232/Tie In	Damage Patch	2X2
990	Panel 232/Tie In (3' to P989)	Damage Patch	2X2
991	Panel 233	Damage Patch	2X2
992	Panel 233/(R967) (7' to Tie In)	Burnout Patch	2X2
993	Panels 233/234/Tie In	Subgrade Repair	4X21
994	Panel 234/(Tie In) (6' to R995)	Damage Patch	2X2
995	Panels 234/235/Tie In	Damage Patch	2X2
996	Panels 235/236/Tie In	Damage Patch	2X2
997	Panel 236/Tie In (8' to R996)	Damage Patch	2X2
998	Panel 236/Tie In (12' to R996)	Damage Patch	2X2
999	Panel 236 (7 ' to Tie In, 9' to P236/237)	Damage Patch	2X2
1000	Panels 236/237/Tie In	Damage Patch	4X7
1001	Panels 237/238/Tie In	Cap Strip	7X14
1002	Panels 238/239/Tie In	Air Test Patch	2X2
1003	Panel 239/Tie In (6' to R1002)	Damage Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1004	Panels 239/240/Tie In	Air Test Patch	2X2
1005	Panel 240/Tie In (4' to R1006)	Damage Patch	2X2
1006	Panels 240/241/Tie In	Air Test Patch	2X2
1007	Panels 241/242/Tie In	Air Test Patch	2X2
1008	Panels 242/243/Tie In	Air Test Patch	2X2
1009	Panels 243/244/Tie In	Air Test Patch	2X4
1010	Panels 244/245/(R1011)	Subgrade Repair	2X7
1011	Panel 245/Tie In/(R1010)	Cap Strip	3X22
1012	Panel 244 (8' to P243/244, 11' to Tie In)	Damage Patch	2X2
1013	DT-168/Panel 243/Tie In (10' to R1008)	DT-Patch	2X7
1014	Panels 259/260/(R2015)	Subgrade Repair	4X61
1015	Panel 258 (100' to BOS)	Subgrade Repair	4X64
1016	Panel 257 (75' to BOS)	Subgrade Repair	4X36
1017	Panel 256 (20' to BOS)	Subgrade Repair	4X40
1018	Panel 254 (50' to BOS)	Subgrade Repair	4X35
1019	Panel 252 (45' to BOS)	Subgrade Repair	4X36
1020	Panel 251 (75' to BOS)	Subgrade Repair	4X40
1021	Panel 250 (65' to BOS)	Subgrade Repair	4X38
1022	Panels 249/250 (27' to BOS)	Subgrade Repair	4X51
1023	Panel 246/Tie In (9' to R1024)	Damage Patch	2X2
1024	Panels 246/247/Tie In	Air Test Patch	2X2
1025	Panel 246 (6' to Tie In, 11' to P 246/247)	Damage Patch	2X2
1026	Panels 247/248/Tie In	Air Test Patch	2X2
1027	Panel 248/Tie In (11' to R1026)	Damage Patch	2X2
1028	Panels 248/249/Tie In	Air Test Patch	2X2
1029	Panels 249/250/Tie In	Air Test Patch	2X2
1030	Panels 250/251/Tie In	Air Test Patch	2X2
1031	Panel 251 (2' to P250/251, 7' to Tie In)	Damage Patch	2X3
1032	Panel 251/Tie In (11' to R1031)	Damage Patch	2X2
1033	Panels 251/253/Tie In	Air Test Patch	2X2
1034	Panels 253/254/Tie In	Air Test Patch	2X3
1035	Panels 254/256/Tie In	Air Test Patch	2X2
1036	Panel 256/Tie In (10' to P256/257)	Damage Patch	2X2
1037	Panel 256 (9' to Tie In, 7' to P256/257)	Damage Patch	2X2
1038	Panels 256/257/Tie In	Pipe Boot	7X7
1039	Panels 257/258/Tie In	Air Test Patch	2X2
1040	Panel 258/Tie In (3' to R1039)	Damage Patch	2X2
1041	Panels 258/259/Tie In	Air Test Patch	2X2
1042	Panel 259/Tie In (9' to R1043)	Damage Patch	2X2
1043	Panels 259/260/Tie In	Air Test Patch	2X2
1044	Panels 260/261/Tie In	Subgrade Repair	3X22
1045	Panel 260/(R214) (2' to P260/261)	Cap Strip	2X7

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1046	Panels 260/261	Air Test Patch	2X2
1047	Panel 261/Tie In (15' to P261/262/Tie In)	Damage Patch	2X2
1048	Panels 261/262/Tie In	Air Test Patch	2X2
1049	Panel 262/(Tie In) (7' to P262/263)	Damage Patch	2X2
1050	Panels 262/263/Tie In	Air Test Patch	2X2
1051	Panel 263/Tie In (6' to R1052)	Damage Patch	2X2
1052	Panels 263/264/Tie In	Air Test Patch	2X2
1053	Panel 264/Tie In (7' to R1052)	Damage Patch	2X2
1054	Panel 264/Tie In (11' to R1052)	Damage Patch	3X4
1055	Panel 264/Tie In (5' to R963)	Damage Patch	2X6
1056	Panels 256/257/(R1038)	Air Test Patch	2X2
1057	Panels 259/261/R1014)	Air Test Patch	2X3
1058	Panels 259/261/(R1014)	Air Test Patch	2X3
1059	Panels 258/259/(R1014/1015)	Air Test Patch	4X8
1060	Panels 257/258/(R1015/1016)	Air Test Patch	4X8
1061	Panels 256/257/(R1016/1017)	Air Test Patch	5X4
1062	Panels 254/255/256/(R1017/1018)	Air Test Patch	5X8
1063	Panels 252/254/(R1018/1019)	Air Test Patch	3X8
1064	Panels 251/252/(R1019/1020)	Air Test Patch	3X10
1065	Panel 251/(R1020) (12' to R1064)	Burnout Patch	2X2
1066	Panels 250/251/(R1020/1021)	Air Test Patch	3X11
1067	Panels 249/250/(R1021/1022)	Air Test Patch	3X6
1068	Panel 250/(R1022/898) (34' to BOS, R1022)	Subgrade Repair	3X20
1069	DT-171/Panel 250/(R1021) (7' to R1066)	DT-Patch	2X7
1070	Panels 252/254/(35/R895)	Damage Patch	3X4
1071	DT-164/Panels 34/252 (13' to R897)	DT-Patch	2X7
1072	DT-166/Panel 261/Tie In (8' to R955)	DT-Patch	2X7
1073	Panel 260 (18' to EOS, 3' to P260/261)	Damage Patch	2X2
1074	Panels 259/260 (2' to Tie In, 1' to R1044)	Damage Patch	2X2
1075	DT-170/Panel 258/Tie In (8' to R1039)	DT-Patch	2X7
1076	Panel 235/Tie In (9' to R966)	Damage Patch	2X2
1077	Panel 234/R966	DT-Patch	2X7
1078	Panels 231/232/23/Tie In	Subgrade Repair	2X46
1079	Panel 6 (1' to RF38, 8' to P6/8)	Damage Patch	2X2
1080	Panel 11 (1' to RF39, 2' to P11/12)	Damage Patch	2X2
1081	Panel 13 (2' to RF40, 11' to P11/12)	Damage Patch	2X2
1082	Panel 16 (2' to RF41, 8' to P16/17)	Damage Patch	2X2
1083	Panel 22 (2' to RF42, 10' to P22/23)	Damage Patch	2X2
1084	Panel 26 (2' to RF43, 9' to P26/28)	Damage Patch	2X2
1085	Panel 29 (2' to RF44, 11' to P2)	Damage Patch	2X2
1086	Panel 31 (2' to RF45, 6' to P31/33)	Damage Patch	2X2
1087	Panels 30/31/266/267	Air Test Patch	2X4

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1088	Panels 30/31/266/267	Air Test Patch	2X2
1089	Panels 265/266/267	Air Test Patch	2X4
1090	Panels 28/29/269/270	Air Test Patch	2X4
1091	Panels 27/28/270/272	Air Test Patch	2X4
1092	Panels 26/27/272/273	Air Test Patch	2X4
1093	Panels 25/26/273/276	Air Test Patch	2X3
1094	Panels 24/25/276/277	Air Test Patch	2X3
1095	Panels 23/24/277/279	Air Test Patch	2X3
1096	Panels 22/23/279/280	Air Test Patch	2X3
1097	Panels 21/22/280/283	Air Test Patch	2X6
1098	Panels 21/283 (6' to R1097)	Pipe Boot	4X4
1099	Panels 20/21/283/284	Air Test Patch	2X2
1100	Panels 19/20/284/286	Air Test Patch	2X2
1101	Panels 18/19/286/287	Air Test Patch	2X4
1102	Panels 17/18/287/289	Air Test Patch	2X2
1103	Panels 16/17/289/290	Air Test Patch	2X2
1104	Panels 215/216/290/292	Air Test Patch	2X2
1105	Panels 14/15/292/294	Air Test Patch	2X2
1106	Panels 13/14/294/296	Air Test Patch	2X3
1107	Panels 12/13/296/297	Air Test Patch	2X3
1108	Panels 11/12/297/299	Air Test Patch	2X3
1109	Panel 11 (2' to P11/299, 3' to BOS)	Damage Patch	2X2
1110	Panels 10/11/299/301	Air Test Patch	2X3
1111	DT-192/Panels 299/301 (60' to BOS)	DT-Patch	2X7
1112	Panels 292/294 (60' to BOS)	DT-Patch	2X7
1113	Panels 290/291/292	Air Test Patch	2X2
1114	Panels 290/291 (4' to EOS)	Field Coupon Patch	2X2
1115	Panels 289/290/291	Air Test Patch	2X2
1116	DT-185/Panels 287/289 (30' to BOS)	DT-Patch	2X7
1117	DT-184/Panels 284/286 (80' to BOS)	DT-Patch	2X7
1118	Panels 282/283/284	Air Test Patch	2X2
1119	Panels 280/282/283	Air Test Patch	2X2
1120	DT-180/Panels 277/279 (65' to BOS)	DT-Patch	2X7
1121	Panels 273/274/276	Air Test Patch	2X2
1122	Panels 272/273/274 (11' to BOS)	Burnout Patch	2X2
1122A	P272/273/274	Air Test Patch	2X2
1123	DT-176/Panels 270/272 (80' to BOS)	DT-Patch	2X2
1124	DT-173/Panels 265/266 (170' to BOS)	DT-Patch	2X7
1125	DT-175/Panels 269/270 (175' to BOS)	DT-Patch	2X7
1126	DT-177/Panels 272/274 (135' to BOS)	DT-Patch	2X7
1127	Panels 276/277 (166' to BOS)	Burnout Patch	2X2
1128	DT-179/Panels 276/277 (130' to BOS)	DT-Patch	2X7
1129	Panels 279/280/281	Air Test Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1130	Panels 280/281/283 (BOS)	Weld Restart	3X11
1131	FC-25/Panels 280/281 (7' to EOS)	Field Coupon Patch	2X2
1132	DT-183/Panels 282/284 (70' to BOS)	DT-Patch	2X7
1133	DT-172/Panels 286/287 (145' to BOS)	DT-Patch	2X7
1134	DT-186/Panels 289/291 (130' to BOS)	DT-Patch	2X7
1135	Panels 296/297/298	Air Test Patch	2X2
1136	Panel 298 (11' to P296/297, 6' to P296/298)	Damage Patch	2X2
1137	Panels 297/298/299	Air Test Patch	2X2
1138	DT-191/Panels 298/299 (90' to BOS)	DT-Patch	2X7
1139	DT-189/Panels 294/296 (230' to BOS)	DT-Patch	2X7
1140	Panels 292/293/294	Air Test Patch	2X2
1141	Panels 291/292/293	Air Test Patch	2X2
1142	DT-181/Panels 279/281 (55' to BOS)	DT-Patch	2X7
1143	Panels 275/276/277	Air Test Patch	2X2
1144	FC-24/Panels 275/276 (11' to BOS)	Field Coupon Patch	2X2
1145	Panels 274/275/276	Air Test Patch	2X2
1146	Panel 269 (11' to P266/269, 262' to BOS)	Pipe Boot	4X5
1147	Panels 266/268/269	Air Test Patch	2X3
1148	FC-20/Panels 268/269 (11' to BOS)	Field Coupon Patch	2X3
1149	Panels 268/269/270	Air Test Patch	2X2
1150	Panels 268/270/271	Air Test Patch	2X2
1151	Panels 270/271/273	Air Test Patch	2X2
1152	DT-174/Panels 266/268 (60' to BOS)	DT-Patch	2X6
1153	DT-178/Panels 274/275 (95' to BOS)	DT-Patch	2X6
1154	Panels 279/281 (155' to BOS, 3'N)	Pipe Boot	6X8
1155	DT-182/Panels 281/282 (200' to BOS)	DT-Patch	2X6
1156	Panels 284/285/286	Air Test Patch	2X2
1157	Panels 285/286 (9' to BOS, 7'W)	Damage Patch	2X2
1158	Panels 285/286/287/288	Air Test Patch	2X5
1159	Panels 287/288 (12' to BOS, 5'E)	Damage Patch	2X2
1160	Panels 287/288/289	Air Test Patch	2X2
1161	DT-187/Panels 291/293 (150' to BOS)	DT-Patch	2X6
1162	DT-196/Panels 291/293 (150' to BOS)	DT-Patch	2X5
1163	DT-190/Panels 296/298 (175' to BOS)	DT-Patch	2X6
1164	Panels 298/299/300	Air Test Patch	2X2
1165	FC-28/Panels 299/300 (3' to EOS)	Field Coupon Patch	2X2
1166	Panels 299/300/301	Air Test Patch	2X2
1167	Panels 206/207/300/301	Air Test Patch	3X3
1168	Panels 207/208/298/300	Air Test Patch	3X3
1169	FC-29/Panels 208/298 (4' to BOS)	Field Coupon Patch	2X2
1170	Panels 208/209/296/298	Air Test Patch	3X3
1171	Panels 209/210/295/296	Air Test Patch	4X4

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1172	Panels 210/211/293/295	Air Test Patch	3X5
1173	FC-30/Panels 211/293 (3' to EOS)	Field Coupon Patch	2X2
1174	Panels 211/212/291/293	Air Test Patch	3X5
1175	Panels 212/213/289/291	Air Test Patch	2X5
1176	FC-31/Panels 213/289 (3' to EOS)	Field Coupon Patch	2X2
1177	Panels 213/214/288/289	Air Test Patch	2X6
1178	Panels 214/215/285/288	Air Test Patch	2X6
1179	FC-23/Panels 215/285 (13' to BOS)	Field Coupon Patch	2X2
1180	Panels 215/216/284/285	Air Test Patch	2X3
1181	Panels 216/284	Weld Restart	2X22
1182	Panels 216/217/282/284	Air Test Patch	2X3
1183	Panels 217/218/282/281	Air Test Patch	3X3
1184	Panels 218/281 (11' to BOS, 4'W)	Damage Patch	2X2
1185	FC-22/Panels 218/281 (12' to BOS)	Field Coupon Patch	2X2
1186	Panels 218/219/279/281	Air Test Patch	3X3
1187	Panels 219/220/278/279	Air Test Patch	3X6
1188	Panels 277/278/279	Air Test Patch	2X2
1189	Panels 275/277/278	Air Test Patch	2X2
1190	Panels 221/222/275/278	Air Test Patch	2X4
1191	Panels 221/222/274/275	Air Test Patch	2X5
1192	FC-21/Panels 222/274 (11' to BOS)	Field Coupon Patch	2X2
1193	Panels 222/223/272/274	Air Test Patch	2X5
1194	Panels 223/224/271/272	Air Test Patch	2X4
1195	Panels 224/225/268/271	Air Test Patch	2X4
1196	Panels 225/226/266/268	Air Test Patch	3X6
1197	Panels 225/227/265/266	Air Test Patch	4X5
1198	Panels 134/227/228/265	Air Test Patch	3X7
1199	Panels 228/229/265	Air Test Patch	2X2
1200	Panels 229/230/265	Air Test Patch	2X2
1201	Panels 265/266 (418' to BOS, 16'N)	Pipe Boot	6X7
1202	Panels 230/265 (10' to BOS, 1'N)	Damage Patch	2X2
1203	Panels 230/231/265	Air Test Patch	2X2
1204	Panels 231/232/265	Air Test Patch	2X2
1205	Panels 232/233/265	Air Test Patch	2X2
1206	Panels 233/234/265	Air Test Patch	2X2
1207	Panels 234/265 (12' to BOS, 1'N)	Damage Patch	2X2
1208	FC-37/Panels 234/235	Field Coupon Patch	2X3
1209	Panels 235/236/265/(R854)	Subgrade Repair	2X7
1210	Panels 236/237/265	Air Test Patch	2X2
1211	Panels 237/238/265	Air Test Patch	2X2
1212	Panels 238/239/265	Air Test Patch	2X3
1213	DT-194A3/Panels 239/240/265	DT-Patch	2X22

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1214	DT-194A2/Panels 240/241/265	DT-Patch	2X22
1215	Panels 241/265/R-1214	DT & Fishmouth Patch	2X2
1216	DT-194A/Panels 241/242/265	DT-Patch	2X22
1217	DT-194/Panels 242/265/(R1216)	DT-Patch	2X15
1218	DT-194B/Panels 243/265/R-1217	DT-Patch	2X13
1219	DT-194B/Panels 243/265 (4' to BOS)	DT-Patch	2X12
1220	DT-194B2/Panels 243/244/265	DT-Patch	2X18
1221	Panels 244/245/265	Air Test Patch	2X2
1222	Panels 245/246/265	Air Test Patch	2X2
1223	FC-35/Panels 246/247	Field Coupon Patch	3X4
1224	Panels 247/248/265	Air Test Patch	2X2
1225	Panels 248/249/265/267	Air Test Patch	2X4
1226	Panels 249/250/267/(R1022)	Air Test Patch	2X3
1227	Panels 250/267/(R1022)	Subgrade Repair	3X4
1228	Panels 269/270 (65' to BOS, 5'N)	Pipe Boot	6X7
1229	Panels 269/270 (70' to BOS, 7'S)	Pipe Boot	4X10
1230	Panels 280/282 (87' to BOS, 7'N)	Pipe Boot	6X8
1231	Panels 294/296 (288' to BOS, 6'N)	Pipe Boot	6X9
1232	Panels 293/294/295	Air Test Patch	2X2
1233	FC-27/Panels 294/295 (3' to BOS)	Field Coupon Patch	2X2
1234	Panels 294/295/296	Air Test Patch	2X2
1235	Panels 297/299 (140' to BOS, 14'S)	Pipe Boot	4X15
1236	Panels 294/296 (106' to BOS, 3'N)	Pipe Boot	7X9
1237	DT-195/Panels 299/301 (57' to BOS)	DT-Patch	2X6
1238	FC-32/Panels 291/12 (9' to BOS)	Field Coupon Patch	2X2
1239	DT-193/Panels 294/14 (11' to BOS)	DT-Patch	2X6
1240	FC-33/Panels 289/17 (11' to BOS)	Field Coupon Patch	2X2
1241	Panels 283/284 (6' to BOS, 9'N)	Damage Patch	2X2
1242	Panels 273/274 (12' to BOS, 9'E)	Damage Patch	2X2
1243	FC-34/Panels 270/28 (11' to BOS)	Field Coupon Patch	2X2
1244	Panels 299/300 (12' to BOS, 7'E)	Damage Patch	2X2
1245	DT-198/Panel 240/R1214 (4' to EOS)	DT-Patch	2X6
1246	DT-197/Panel 265/R1220 (15' to BOS)	DT-Patch	2X6
1247	FC-38/Panels 292/293 (14' to BOS)	Field Coupon Patch	2X2
1248	FC-39/Panels 230/265 (14' to BOS)	Field Coupon Patch	2X2
1249	Panels 134/228 (270' to BOS)	Damage Patch	2X2
1250	Panels 249/250 (5' to EOS, 1'E)	Damage Patch	2X2
1251	Panels 233/265 (15' to BOS, 3'S)	Damage Patch	2X2
1252	Panels 231/265 (18' to BOS, 1'N)	Damage Patch	2X2
1253	Panels 127/128 (181' to BOS 3'W)	Damage Patch	2X2
1254	Panels 127/128 (184' to BOS, 3'W)	Damage Patch	2X2
1255	Panels 133/134(167' to BOS, 9'E)	Damage Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1256	Panels 3/4/(RF46)	Gas Vent Patch	2X2
1257	Panel 16/(RF49, 4' to BOS)	Gas Vent Patch	2X2
1258	Panel 26/(RF50, 4' to BOS)	Gas Vent Patch	2X2
1259	Panel 31/(RF51, 3' to BOS)	Gas Vent Patch	2X2
1260	DT-194B3/Panels 244/245/246/265	DT Patch	2X7
1261	DT-194B3/Seams 247/248/249/265	Cap Strip	2X50
1262	DT-194/Seams 246/265/R-1226	Cap Strip	2X14
1263	Panels 297/299 (75' to BOS, 6'S)	Damage Patch	2X2
1264	DT-199/Panel 265/R-1261 (18' to BOS)	DT Patch	2X6
1265	DT-200/Panel 245/R-1260 (17' to BOS)	DT Patch	2X6
1266	Panels 37/46 (7' to BOS, 9'S)	Gas Vent Patch	2X2
1267	Panels 265/26 (452' to BOS, 7'S)	Gas Vent Patch	2X2
1268	(2'S of) R-143	Gas Vent Patch	2X2
1269	Panels 46/48/RF-58 (7'N)	Damage Patch	2X2
1270	Panels 46/48/RF-58 (5'S)	Gas Vent Patch	2X2
1271	Panels 35/36 (120' to BOS, 9'N)	Damage Patch	2X2
1272	DT-165/P240/R867	DT Patch	2X7
1273	Panels 37/48 (20' to BOS, 6'S)	Gas Vent Patch	2X2
1274	Panels 37/48 (22' to BOS, 12'S)	Gas Vent Patch	2X2
1275	Panel 51/RF 73 (5' to BOS, 1'SE)	Gas Vent Patch	2X2
1276	Panel 36/RF-69 (8' to BOS, 1'W)	Gas Vent Patch	2X2
1277	Panel 49/RF-77 (8'S)	Gas Vent Patch	2X2
1278	Panels 65/67 (7' to EOS, 3'N)	Damage Patch	2X2
1279	Panels 287/289 (45' to BOS, 1'N)	Gas Vent Patch	2X2
1280	Panels 265/267 (63' to BOS, 6'S)	Gas Vent Patch	2X2
1281	Panel 243/244 (140' to BOS, 3'W)	Damage Patch	2X2
1282	Panels 60/61 (51' to BOS, 9'S)	Gas Vent Patch	2X2
1283	Panel 127/RF-108 (5' to P126/127)	Gas Vent Patch	2X2
1284	Panel 120 (2' to RF107, 2' to P119/120)	Gas Vent Patch	2X2
1285	Panel 112/RF-104 (11' to P111/112)	Damage Patch	2X2
1286	RF104 (2' to P111/112)	Damage Patch	2X2
1287	Panel 104/RF-102 (3' to P99/104)	Gas Vent Patch	2X2
1288	(P7) (2' to) Panel 77/RF-82	Gas Vent Patch	2X2
1289	Panel 123 (18' to EOS, 4'W)	Gas Vent Patch	2X2
1290	Panel 98 (N) (17' to EOS)	Gas Vent Patch	2X2
1291	Panel 130/RF-84/113	Damage Patch	2X2
1292	NOT USED		
1293	(P239/RF117) (8' to) Panels 238/239	Gas Vent Patch	2X2
1294	(P244/RF118) (19' to) Panels 243/244	Gas Vent Patch	2X2
1295	Panel 98/(RF92/93/111/112)	Pipe Boot	13X22
1296	RF-114	Pipe Boot	13X22
1297	Panel 237/(RF117/121)	Gas Vent Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1298	RF-120 (5' to P236/RF120)	Pipe Boot	4X4
1299	Panel 132/(RF122) (5' to P132/133)	Gas Vent Patch	2X2
1300	Panels 241/242 (8' to P241/242)	Gas Vent Patch	2X2
1301	(P236/RF126) (4' to) Panels 236/237	Gas Vent Patch	2X2
1302	Panels 124/125/(RF107/108)	Pipe Boot	13X23
1303	Panel 124 (into N Slope)	Gas Vent Patch	2X2
1304	Panel 236/(RF137) (8' to W)	Pipe Boot	4X4
1305	Panel 311/(Tie In) (5' to P311/312)	Damage Patch	2X2
1306	Panel 311 (5' to Tie In, 10' to P310/311)	Damage Patch	2X2
1307	Panels 310/311/(Tie In)	Air Test Patch	2X2
1308	Panels 309/310/(Tie In)	Air Test Patch	2X3
1309	Panels 307/309/(Tie In)	Air Test Patch	2X2
1310	Panels 1/302 (55' to BOS)	Damage Patch	2X3
1311	Panels 1/302 (77' to BOS)	DT Patch	3X7
1312	Panels 1/302 (102' to BOS)	Damage Patch	2X2
1313	Panels 1/302 (119' to BOS)	Damage Patch	2X2
1314	Panels 1/302 (137' to BOS)	Damage Patch	2X3
1315	Panels 1/302 (152' to BOS)	Damage Patch	2X2
1316	Panels 1/302 (163' to BOS)	Damage Patch	2X2
1317	Panels 1/302 (63' to tie-in)	Damage Patch	2X2
1318	Panel 1/302 (37' to tie-in)	Damage Patch	2X2
1319	Panel 307/Tie-In (7' to P307/309)	DT Patch	2X4
1320	Panel 307/Tie-In (9' to P307/309)	DT Patch	2X6
1321	Panels 306/307/(Tie In)	Air Test Patch	2X2
1322	Panels 305/306/(Tie In)	Air Test Patch	2X2
1323	Panels 304/305/(Tie In)	Air Test Patch	2X2
1324	DT-234/P310/311 (64' to EOS)	DT Patch	2X6
1325	DT-233/P307/309 (97' to EOS)	DT Patch	2X6
1326	DT-232/P304/305 (80' to EOS)	DT Patch	2X6
1327	Panels 302/303 (217' to BOS)	Damage Patch	2X3
1328	Panels 305/306/(308)	Air Test Patch	2X2
1329	Panels 306/307/308	Air Test Patch	2X2
1330	(P307) (2' to) Panels 307/309 (52' to Tie In)	Pipe Boot	4X4
1331	(P307) (11' to) Panels 307/309 (55' to Tie In)	Pipe Boot	4X4
1332	Panels 303/304/(Tie In)	Air Test Patch	2X2
1333	Panels 302/303/(Tie In)	Air Test Patch	2X2
1334	Panels 306/307/(R1331)	Pipe Boot	4X4
1335	Panels 305/306 (52' to Tie In)	Pipe Boot	4X4
1336	Panel 305/(R1335/1337)	Pipe Boot	4X4
1337	Panel 305/(R1336 50' to Tie In)	Pipe Boot	4X3
1338	Panels 306/307 (15' to BOS)	Pipe Boot	4X4
1339	Panels 196/320/323	Air Test Patch	2X3

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1340	Panels 196/323	Air Test Patch	2X2
1341	Panels 135/320/323	Air Test Patch	2X2
1342	Panels 135/323	Air Test Patch	2X2
1343	Panels 135/320 (17' to BOS)	Burnout Patch	2X2
1344	Panels 320/321/322	Air Test Patch	2X2
1345	Panels 135/317/320	Air Test Patch	2X6
1346	Panel 135/316 (148' to BOS)	Damage Patch	2X2
1347	Panel 135/317 (26' to BOS)	Burnout Patch	2X2
1348	Panel 135/316/317	Air Test Patch	2X3
1349	Panels 316/317/318	Air Test Patch	2X2
1350	Panels 316/317 (11' to BOS)	Field Coupon Patch	2X3
1351	Panel 135 (5' to P135/316, 11' to BOS)	Damage Patch	2X3
1352	Panel 135 (5' to P135/316, 20' to BOS)	Damage Patch	2X7
1353	Panel 135/316 (27' to BOS)	Damage Patch	2X2
1354	Panel 135/316 (31' to BOS)	Damage Patch	2X2
1355	Panel 135/316 (49' to BOS)	Burnout Patch	2X2
1356	DT-238/Panel 135/316 (48' to EOS)	DT-Patch	2X6
1357	Panel 135/316 (25' to EOS)	Damage Patch	2X4
1358	Panels 1/135/316	Air Test Patch	2X7
1359	Panels 1/316 (13' to BOS)	Damage Patch	2X2
1360	Panels 1/302/316	Air Test Patch	3X6
1361	Panels 302/303/316/319	Air Test Patch	2X4
1362	Panel 302/(R1311)	DT-Patch	2X7
1363	FC-41/Panels 306/308 (11' to BOS)	Field Coupon Patch	2X3
1364	DT-237/Panels 196/320 (70' to EOS)	DT-Patch	2X6
1365	(P1 2' to) Panels 1/302 (51' to Tie In)	Damage Patch	2X2
1366	Panels 301/324 (74' to BOS)	Damage Patch	2X2
1367	Panel 301 (2' to P301/324, 82' to BOS)	Damage Patch	2X3
1368	Panels 301/324 (100' to BOS)	Damage Patch	3X3
1369	Panel 301 (2' to P301, 105' to BOS)	Damage Patch	2X2
1370	Panel 301 (3' to P301/324, 110' to BOS)	Damage Patch	2X2
1371	Panels 301/324 (107' to BOS)	Damage Patch	2X2
1372	DT-240/Panels 301/324 (108' to BOS)	DT-Patch	2X6
1373	Panels 301/324 (211' to BOS)	Damage Patch	2X2
1374	(P301 2' to) Panels 301/324 (215' to BOS)	Damage Patch	3X3
1375	Panels 301/324 (266' to BOS)	Damage Patch	4X10
1376	Panels 301/324 (241' to BOS)	Damage Patch	7X12
1377	Panels 301/324 (260' to BOS)	Damage Patch	3X4
1378	Panels 301/324 (277' to BOS)	Damage Patch	2X4
1379	(P301 2' to) Panels 301/324 (285' to BOS)	Damage Patch	2X2
1380	Panels 301/324 (13' to EOS)	Damage Patch	2X2
1381	Panels 301/324/325	Air Test Patch	2X2

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1382	Panels 324/325/326	Air Test Patch	2X2
1383	FC-43/Panels 324/325 (4' to EOS)	Field Coupon Patch	2X3
1384	Panels 325/326/327	Air Test Patch	2X2
1385	Panels 326/327/328	Air Test Patch	2X2
1386	Panels 325/327 (6' to BOS)	Pipe Boot	4X4
1387	DT-241/Panels 326/328 (325' to BOS)	DT-Patch	2X6
1388	DT-243/Panels 330/331 (77' to BOS)	DT-Patch	2X6
1389	Panels 329/330/331	Air Test Patch	2X2
1390	Panels 328/329/330	Air Test Patch	2X2
1391	Panels 329/329 (137' to BOS)	Pipe Boot	4X4
1392	DT-242/Panels 328/329 (98' to BOS)	DT-Patch	2X6
1393	DT-255/Panels 328/(R1392 98' to BOS)	DT-Patch	2X6
1394	Panels 331/332/333	Air Test Patch	2X3
1395	Panels 312/313/(Tie In)	Damage Patch	2X6
1396	Panels 332/333/334	Air Test Patch	2X2
1397	DT-244/Panels 331/333 (60' to BOS)	DT-Patch	2X6
1398	Panels 331/333 (96' to BOS)	Damage Patch	2X2
1399	DT-246/Panels 334/336 (182' to BOS)	DT-Patch	2X6
1400	Panels 333/334/335	Air Test Patch	2X2
1401	FC-42/Panels 334/335 (3' to BOS)	Field Coupon Patch	2X3
1402	Panels 334/335/336	Air Test Patch	2X2
1403	DT-245/Panels 333/335 (58' to BOS)	DT-Patch	2X6
1404	Panels 338/339 (7' to EOS)	Burnout Patch	2X2
1405	Panels 338/339 (35' to EOS)	Burnout Patch	2X2
1406	Panels 338/339 (51' to EOS)	Burnout Patch	2X2
1407	DT-247/Panels 336/338 (120' to BOS)	DT-Patch	2X6
1408	Panels 336/338 (55' to BOS)	Pipe Boot	4X4
1409	Panels 336/337/338	Air Test Patch	2X2
1410	Panels 337/338/339	Air Test Patch	2X2
1411	Panels 336/337/343	Air Test Patch	2X3
1412	Panels 337/339 (25' to BOS)	Pipe Boot	4X4
1413	Panels 339/341/342	Air Test Patch	2X2
1414	Panels 339/340/341	Air Test Patch	2X2
1415	Panels 340/341	Air Test Patch	3X12
1416	Panels 339/340 (8' to EOS)	Damage Patch	2X2
1417	Panels 196/230/339/340	Air Test Patch	2X4
1418	Panels 196/197/338/339	Air Test Patch	3X5
1419	Panels 197/198/336/338	Air Test Patch	2X4
1420	Panels 198/199/335/336	Air Test Patch	2X4
1421	Panels 199/335 (6' to EOS)	Damage Patch	2X2
1422	Panels 199/200/333/335	Air Test Patch	2X4
1423	Panels 200/201/331/333	Air Test Patch	2X3

EOS = End of Seam

BOS = Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1424	Panels 201/202/330/331	Air Test Patch	2X4
1425	Panels 202/203/328/330	Air Test Patch	2X3
1426	Panels 203/204/327/328	Air Test Patch	2X3
1427	Panels 204/205/325/327	Air Test Patch	2X4
1428	Panels 205/206/301/325	Air Test Patch	3X4
1429	Panels 1/302/Tie In	Damage Patch	8X14
1430	Panels 312/313	Pipe Boot	4X5
1431	FC-44/Panels 198/336 (7' to EOS)	Field Coupon Patch	2X3
1432	Panels 304/305/306/307	Subgrade Repair	2X60
1433	Panels 304/305	Air Test Patch	2X2
1434	Panel 305/(R1432 11' to BOS)	Burnout Patch	2X3
1435	Panels 305/306	Air Test Patch	2X2
1436	Panels 306/307	Damage Patch	2X13
1437	Panels 307/309/310	Subgrade Repair	2X29
1438	Panels 309/310	Subgrade Repair	2X25
1439	Panels 309/310/Cap(R1437/1440)	Air Test Patch	2X8
1440	Panel 309/(R1439/1443)	Subgrade Repair	2X21
1441	Panels 307/309 /Cap(R1432/1437)	Air Test Patch	2X3
1442	Panel 309/(R1448/1488)	Subgrade Repair	2X25
1443	Panel 310/Cap(R1440)	Air Test Patch	2X2
1444	Panel 307/(R1432 5' to R1445)	Damage Patch	2X2
1445	Panels 309/310/(R1438)	Air Test Patch	2X4
1446	Panels 309/310/(R1438)	Air Test Patch	2X4
1447	Panel 309/Cap(R1438/1488)	Air Test Patch	2X6
1448	Panels 307/309/(R1441/1442)	Subgrade Repair	3X7
1449	FC-45/Panel 309/Cap(R1438 28' to EOS)	Field Coupon Patch	2X3
1450	FC-46/Panel 309/Cap(R1438 8' to EOS)	Field Coupon Patch	2X3
1451	FC-47/Panel 309/Cap(R1437 8' to EOS)	Field Coupon Patch	2X3
1452	Panel 251/(RF157 4' to P250/251)	Gas Vent Patch	2X2
1453	Panel 249/(RF160/161)	Gas Vent Patch	2X2
1454	RF-161 (into RF161)	Pipe Boot	4X4
1455	Panels 324/326/344	Air Test Patch	2X2
1456	Panels 326/328/344	Air Test Patch	2X2
1457	Panels 328/329/344	Air Test Patch	2X2
1458	Panels 328/329/344	Pipe Boot	3X5
1459	Panels 329/331/344	Air Test Patch	2X2
1460	Panels 331/332/344	Air Test Patch	2X2
1461	Panels 332/334/344	Air Test Patch	2X2
1462	Panel 334 (2' to P334/344, 5' to R1461)	Damage Patch	2X2
1463	Panel 336 (2' to P334/336, 3' to R1461)	Damage Patch	3X3
1464	Panels 336/344/343	Air Test Patch	2X2
1465	Panels 1/2/3/346	Cap Strip	3X66

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

40 mil. LLDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (40 mil. LLDPE)	Repair Size (ft)
1466	Panels 301/324/344	Air Test Patch	3X4
1467	Panels 301/344/345	Air Test Patch	4X4
1468	Panel 301 (2' to P301/345, 3' to R1467)	Damage Patch	2X2
1469	Panel 301 (2' to P301/345, 7' to EOS)	Damage Patch	2X2
1470	Panels 301/345/346	Air Test Patch	2X4
1471	Panels 9/10/301/346	Air Test Patch	4X4
1472	Panels 3/4/346	Air Test Patch	2X3
1473	Panels 334/336/344	Air Test Patch	2X2
1474	RF168/P302	Damage Patch	4X4
1475	P236/237/RF62	Damage Patch	11X20
1476	P346/347 (4' to EOS)	Field Coupon Patch	2X2
1477	P345/346/347	Air Test Patch	2X2
1478	P344/345/347	Air Test Patch	2X2
1479	P343/344/347	Air Test Patch	2X2
1480	P343/344 (4' to R1477)	Damage Patch	2X2
1481	P347/348 (39' to EOS)	Field Coupon Patch	2X3
1482	P346 (2' to P346/347, 11' to BOS)	Damage Patch	2X2
1483	P1/40/347/R1465	Air Test Patch	2X2
1484	P40/347/348	Air Test Patch	2X2
1485	P40/41/348	Air Test Patch	2X2
1486	P346/347/R1465	Air Test Patch	2X2
1487	Pump #1	Damage Patch	6X6
1488	P307/309	Subgrade Repair	2X25
1489	DT-24/P33/35 (37' to BOS)	DT-Patch	2X5
1490	DT-32/P33/35 (45' to EOS)	DT-Patch	2X5

EOS = End of Seam

BOS = Beginning of Seam

ARDAMAN & ASSOCIATES, INC.

60 mil. HDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. HDPE)	Repair Size (ft)
1	P1/TI (12' to P1/2)	Damage Patch	2X2
2	P1/2/TI	Cap	2X5
3	P1/2/TI	Air Test Patch	2X2
4	P2/3/TI	Air Test Patch	2X2
5	P3 (12' to P2/3)	Damage Patch	2X2
6	P3/4/TI	Air Test Patch	2X2
7	P4/TI (12' to P3/4)	Damage Patch	2X2
8	P4/5/TI	Air Test Patch	2X2
9	P5/TI (north of R-8)	Damage Patch	2X2
10	P5/6/TI	Air Test Patch	2X2
11	P6/TI (8' to P5/6)	Damage Patch	2X2
12	P6/7/TI	Air Test Patch	2X2
13	P7/TI (8' toP6/7)	Damage Patch	2X2
14	P7/8/TI	Air Test Patch	2X2
15	P8/TI (9' to P7/8)	Damage Patch	2X2
16	P8/9/TI	Air Test Patch	2X2
17	P9/TI (9' to P8/9)	Damage Patch	2X2
18	P9/TI (2' to P9, 7' to R19)	Cap	2X2
19	P9/10/TI	Air Test Patch	2X2
20	P10/TI (7' to P9/10)	Damage Patch	2X2
21	P10/11/TI	Air Test Patch	2X2
22	P11/TI (7' to P10/11)	Damage Patch	2X2
23	P11 (2' to TI, 7' to P10/11)	Damage Patch	2X2
24	P11 (2' to TI, 11' to P11/12)	Damage Patch	2X2
25	P11/12/TI	Air Test Patch	2X2
26	P12/TI (8' to P11/12)	Damage Patch	2X2
27	P12/13/TI	Air Test Patch	2X2
28	P13/TI (7' to R27)	Damage Patch	2X2
29	P13/14/TI	Air Test Patch	2X2
30	P14/TI (7' to R29)	Damage Patch	2X2
31	P14/15/TI	Air Test Patch	2X2
32	P15/TI (7' to R31)	Damage Patch	2X2
33	P15 (4' to TI, 9' to P14/15)	Damage Patch	2X2
34	P15 (4' to TI, 10' to P15/16)	Damage Patch	2X2
35	P15/16/TI	Air Test Patch	2X4
36	P16/17/TI	Air Test Patch	2X2
37	P17/TI (7' to P17/18)	Cap	2X6
38	P17/18/TI	Air Test Patch	2X2
39	P18/19/TI	Air Test Patch	2X2
40	P19/20/TI	Air Test Patch	2X2
41	P20/21/TI	Air Test Patch	2X2
42	P21/22/TI	Air Test Patch	2X2

TI=Tie-in

MAM

ARDAMAN & ASSOCIATES, INC.

60 mil. HDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. HDPE)	Repair Size (ft)
43	P22/TI (4' to R42)	Damage Patch	2X2
44	P22/23/TI	Air Test Patch	2X2
45	R44/TI (9' to R44, 2' to P23)	Damage Patch	2X2
46	P23/24/TI	Air Test Patch	2X4
47	P24/TI (9' to R46)	Cap	2X10
48	P24/25/TI	Air Test Patch	2X4
49	P25/26/TI	Air Test Patch	2X4
50	P26/TI (11' to R49)	Cap	2X3
51	P26/TI (5' to R32)	Damage Patch	2X2
52	P26/27/TI	Air Test Patch	2X2
53	P27/TI (4' to R54)	Damage Patch	2X2
54	P27/28/TI	Air Test Patch	2X2
55	P28/TI (6' to R56)	Damage Patch	2X2
56	P28/29/TI	Air Test Patch	2X2
57	P29/TI (6' to R58)	Damage Patch	2X2
58	P29/30/TI	Air Test Patch	2X2
59	P30/TI (6' to R60)	Damage Patch	2X2
60	P30/31/TI	Air Test Patch	2X2
61	P31/TI (5' to R60)	Cap	2X4
62	P31/TI (7' to R64)	Damage Patch	2X2
63	P31 (3' to P31/32, 3' to TI)	Damage Patch	2X2
64	P31/32/TI	Air Test Patch	2X2
65	P32/TI (12' to R64)	Damage Patch	2X2
66	P32/TI (3' to R65)	Damage Patch	2X2
67	P32 (5' to P32/33, 3' to TI)	Damage Patch	2X2
68	P32/33/TI	Air Test Patch	2X2
69	P33/TI (8' to R70)	Damage Patch	2X2
70	P33/34/TI	Air Test Patch	2X2
71	P34/TI (12' to R70)	Damage Patch	2X2
72	P33/TI (3' to R71)	Damage Patch	2X2
73	P34/35/TI	Air Test Patch	2X2
74	P35/36/TI	Air Test Patch	2X2
75	P36/TI (10' to R76)	Damage Patch	2X2
76	P36/37/TI	Air Test Patch	2X2
77	P37/TI (11' to R78)	Damage Patch	2X2
78	P37/38/TI	Air Test Patch	2X2
79	P38/TI (12' to R78)	Damage Patch	2X2
80	P38/39/TI	Air Test Patch	2X2
81	DT-14/P35/36 (61' to BOS)	DT Patch	2X6
82	DT-13/P32/33 (54' to BOS)	DT Patch	2X6
83	P31/32 (81' to BOS)	Burnout Patch	2X2
84	DT-12/P29/30 (12' to BOS)	DT Patch	2X6

TI=Tie-in

BOS=Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

60 mil. HDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. HDPE)	Repair Size (ft)
85	DT-11/P28/29 (52' to BOS)	DT Patch	2X6
86	DT-10/P26/27 (97' to BOS)	DT Patch	2X6
87	DT-9/P23/24 (74' to BOS)	DT Patch	2X6
88	DT-8/P20/21 (170' to BOS)	DT Patch	2X6
89	DT-7/P17/18 (57' to BOS)	DT Patch	2X6
90	DT-6/P15/16 (139' to BOS)	DT Patch	2X6
91	DT-5/P12/13 (114' to BOS)	DT Patch	2X6
92	DT-4/P9/10 (65' to BOS)	DT Patch	2X6
93	P7/8 (62' to BOS)	Burnout Patch	2X2
94	DT-3/P6/7 (120' to BOS)	DT Patch	2X6
95	DT-2/P3/4 (90' to BOS)	DT Patch	2X6
96	DT-1/P1/2 (125' to BOS)	DT Patch	2X6
97	DT-15/P17/TI (7' to P16/7)	DT Patch	2X6
98	DT-18/P9/DT-4 (65' to BOS)	DT Patch	2X6
99	P22/23/TI (10' to P22/23)	Damage Patch	2X2
100	P36/TI (6' to R74)	DT Patch	2X6
101	DT-14/P36 (61' to BOS)	DT Patch	2X6
102	DT-3B/P6/7 (105' to BOS)	DT Patch	2X30
103	DT-3A/P6/7 (154' to BOS)	DT Patch	2X30
104	DT-20/P7/R103 (145' to BOS)	DT Patch	2X6
105	DT-19/P12 (118' to BOS)	DT Patch	2X6
106	DT-14/DT/16 (62' to BOS)	Damage Patch	5X7
107	DT-21/P36/R106 (62' to BOS)	DT Patch	2X7
108	P1 (4' E of TI)	Wrinkle	22.5
109	P2 (4' E of TI)	Wrinkle	22.5
110	P3 (4' E of TI)	Wrinkle	22.5
111	P4 (4' E of TI)	Wrinkle	22.5
112	P5 (4' E of TI)	Wrinkle	22.5
113	P6 (4' E of TI)	Wrinkle	22.5
114	P7 (4' E of TI)	Wrinkle	22.5
115	P8 (4' E of TI)	Wrinkle	22.5
116	P9 (4' E of TI)	Wrinkle	22.5
117	P10 (4' E of TI)	Wrinkle	22.5
118	P11 (4' E of TI)	Wrinkle	22.5
119	P12 (4' E of TI)	Wrinkle	22.5
120	P13 (4' E of TI)	Wrinkle	22.5
121	P14 (4' E of TI)	Wrinkle	22.5
122	P15 (4' E of TI)	Wrinkle	22.5
123	P16 (4' E of TI)	Wrinkle	22.5
124	P17 (4' E of TI)	Wrinkle	22.5
125	P18 (4' E of TI)	Wrinkle	5.0
126	P18/R125 (5' to BOS)	Wrinkle	2X2

TI=Tie-in

BOS=Beginning of Seam

MAM

ARDAMAN & ASSOCIATES, INC.

60 mil. HDPE Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. HDPE)	Repair Size (ft)
127	P17/R124 (5' to BOS)	Wrinkle	3X7
128	DT-201/P4/R111 (5' to BOS)	DT Patch	2X2
129	DT-202/P14/R121 (11' to BOS)	DT Patch	2X2
130	P5/6 (10' to BOS, 1' N)	Damage Patch	2X2
131	P17/18 (36' to EOS, 9' N)	Gas Vent	2X2
132	P38/39 (14' to BOS, 3' S)	Gas Vent	2X2
133	P1/40/TI	Air Test Patch	2X2
134	P40/TI (11' to BOS)	Damage Patch	2X2
135	P40/41/TI	Air Test Patch	2X2
136	P41/42/TI	Air Test Patch	2X2
137	P42/TI (11' to BOS)	Damage Patch	2X2
138	P42/43/TI	Air Test Patch	2X2
139	P43/TI (11' to BOS)	Damage Patch	2X2
140	P43/44/TI	Air Test Patch	2X2
141	P44/TI (11' to BOS)	Damage Patch	2X2
142	P44/45/TI	Air Test Patch	2X2
143	P45/TI (9' to R142)	Damage Patch	2X2
144	P45/46/TI	Air Test Patch	2X2
145	P46/TI (8' to R144)	Damage Patch	2X2
146	P46/47/TI	Air Test Patch	2X2
147	P47/TI (6' to R146)	Damage Patch	2X2
148	DT-23/P43/44 (39' to BOS)	DT Patch	2X2
149	DT-22/P1/40 (73' to EOS)	DT Patch	2X2
150	DT-24/P42/TI (6' to R138)	DT Patch	2X2

TI=Tie-in

BOS=Beginning of Seam

EOS = End of Seam

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
1	P1/2/3	Air Test Patch	2X2
2	P2/3/4	Air Test Patch	2X2
3	P5/6/7	Air Test Patch	2X2
4	P6/7/8	Air Test Patch	2X2
5	DT-1/P7/8, 17' from BOS	DT Patch	3X7
6	P7/8/9	Air Test Patch	2X2
7	P10/12, 57' from BOS	Damage Patch	2X2
8	P12/13/14	Air Test Patch	2X2
9	P11/12/13	Air Test Patch	2X2
10	P10/11/12	Air Test Patch	2X2
11	P16/17/18	Air Test Patch	2X2
12	P19/20/21	Air Test Patch	2X2
13	P20/21/22	Air Test Patch	2X2
14	P21/22/23	Air Test Patch	2X2
15	DT-2/P16/18, 53' from BOS	DT Patch	3X7
16	DT-3/P21/22, 24' from BOS	DT Patch	3X7
17	P24/25/26	Air Test Patch	2X2
18	P25/26/27	Air Test Patch	2X2
19	P26/27/28	Air Test Patch	2X2
20	P30/31/32	Air Test Patch	2X2
21	P31/32, 4' from BOS	Damage Patch	2X2
22	P9/31/32	Air Test Patch	2X2
23	P6/7/31	Air Test Patch	2X2
24	P34/35/36	Air Test Patch	2X2
25	P12/35/36	Air Test Patch	2X2
26	DT-5/P34/35, 12' from BOS	DT Patch	3X7
27	P11/12/35	Air Test Patch	2X2
28	P7/32, 11' from BOS	Burnout Patch	2X2
29	DT-4/P7/32, 32' from BOS	DT Patch	3X8
30	DT-6/P37/39, 14' from BOS	DT Patch	3X8
31	P37/38/39	Air Test Patch	2X7
32	P14/37/38	Air Test Patch	2X3
33	P13/14/37	Air Test Patch	2X2
34	P39/40/41	Air Test Patch	2X2
35	P39/41, 10' from BOS	Burnout Patch	2X2
36	P18/42/43	Air Test Patch	2X2
37	P42/43/44	Air Test Patch	2X2
38	P17/18/42	Air Test Patch	2X2
39	P13/37, 10' from BOS	Damage Patch	2X2
40	P29/30, 9' from BOS	Damage Patch	2X2
41	P44/45/46	Air Test Patch	2X2
42	P43/44/45	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
43	P22/23/48	Air Test Patch	2X2
44	P47/48/49	Air Test Patch	2X2
45	P22/47/48	Air Test Patch	2X2
46	P49/50/51	Air Test Patch	2X2
47	P48/49/50	Air Test Patch	2X2
48	P54/55/56	Air Test Patch	2X2
49	P57/58/59	Air Test Patch	2X2
50	P59/64/65	Air Test Patch	2X2
51	P60/61/62	Air Test Patch	2X2
52	P62/66/67	Air Test Patch	2X2
53	P61/62/63	Air Test Patch	2X2
54	P62/63/67	Air Test Patch	2X2
55	P71/72	Damage Patch	2X2
56	P70/71/72	Air Test Patch	2X2
57	P73/74/75	Air Test Patch	2X2
58	P76/77/78	Air Test Patch	2X2
59	P26, 15' from BOS	Damage Patch	2X2
60	P80/81/82	Air Test Patch	2X2
61	P91/92/93	Air Test Patch	2X2
62	P94/95, 10' from BOS	Damage Patch	2X2
63	P94/95, 15' from EOS	Damage Patch	2X2
64	P94/95/96	Air Test Patch	2X2
65	DT-9/P87/88, 21' from BOS	DT Patch	3X7
66	DT-8/P83/85, 52' from BOS	DT Patch	3X7
67	DT-7/P28/79, 15' from BOS	DT Patch	3X7
68	P27/28/79	Air Test Patch	2X2
69	P86/87/88	Air Test Patch	2X2
70	P85/86/87	Air Test Patch	2X2
71	P83/84/85	Air Test Patch	2X2
72	P55/56/99	Air Test Patch	2X2
73	P100/101/102	Air Test Patch	2X2
74	P99/100/101	Air Test Patch	2X2
75	P124/125/126	Air Test Patch	2X2
76	P72/124/125	Air Test Patch	2X2
77	P119/120/121	Air Test Patch	2X2
78	P118/119/120	Air Test Patch	2X2
79	P121/122/123	Air Test Patch	2X2
80	P117/118/119	Air Test Patch	2X2
81	P69/117/118	Air Test Patch	2X2
82	P110/111/112	Air Test Patch	2X2
83	P66/110/111	Air Test Patch	2X2
84	DT-12/P66/111, 13' from BOS	DT Patch	3X7

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
85	P66/67/111	Air Test Patch	2X2
86	P111/112/113	Air Test Patch	2X2
87	P112/113/114	Air Test Patch	2X2
88	DT-11/P106/107, 35' from BOS	DT Patch	3X7
89	DT-10/P56/99, 35' from BOS	DT Patch	3X7
90	P101/102/103	Air Test Patch	2X2
91	P102/103/104/58T	Air Test Patch	2X2
92	P102/103/104/58T	Air Test Patch	2X2
93	P53/83/84	Air Test Patch	2X2
94	P77/149/150	Air Test Patch	2X2
95	P149/150/151	Air Test Patch	2X2
96	P77/78/150	Air Test Patch	2X2
97	P155/156/179	Air Test Patch	2X2
98	P146/147/148	Air Test Patch	2X2
99	P145/146/147	Air Test Patch	2X2
100	P143/144/145	Air Test Patch	2X2
101	P74/143/144	Air Test Patch	2X2
102	P74/75/144	Air Test Patch	2X2
103	P140/141/142	Air Test Patch	2X2
104	P126/140/141	Air Test Patch	2X2
105	P139/140/142	Air Test Patch	2X2
106	P126/139/140	Air Test Patch	2X2
107	P65/105/106	Air Test Patch	2X2
108	P105/106/107	Air Test Patch	2X2
109	P64/65/105	Air Test Patch	2X2
110	P106/107/108	Air Test Patch	2X2
111	P107/108/109	Air Test Patch	2X3
112	P127/128, 10' from BOS	Weld Restart	2X3
113	DT-18/P116/156, 5- from EOS	DT Patch	3X7
114	DT-17/P145/147, 17' from BOS	DT Patch	3X7
115	DT-16/P126/140, 37' from BOS	DT Patch	3X7
116	DT-15/P124/126, 12' from BOS	DT Patch	3X7
117	DT-14/P121/123, 35' from BOS	DT Patch	3X7
118	DT-13/P118/119, 12' from BOS	DT Patch	3X7
119	P151/152/153	Air Test Patch	2X2
120	P152/153/154	Air Test Patch	2X2
121	P194/195/196	Air Test Patch	2X2
122	P195/196/197	Air Test Patch	2X2
123	DT-21/P197/198, 4' from BOS	DT Patch	3X7
124	P190/191/192	Air Test Patch	2X2
125	P189/190/191	Air Test Patch	2X2
126	P95/96/189	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
127	DT-20/P93/180, 28' from BOS	DT Patch	3X7
128	P186/187/188	Air Test Patch	2X2
129	P186/187/185	Air Test Patch	3X3
130	P8/9/33	Air Test Patch	2X2
131	DT-19/P158/160, 24' from BOS	DT Patch	3X7
132	P160/161/162	Air Test Patch	2X2
133	P161/162/171	Air Test Patch	2X2
134	P157/128, 28' from BOS	Weld Restart	2X3
135	P136/206, 18' from BOS	Weld Restart	2X3
136	P136/206, 16' from BOS	Weld Restart	2X2
137	P215/217, 20' from BOS	Damage Patch	2X3
138	P215/217, 30' from BOS	Damage Patch	2X2
139	P215/216/217	Air Test Patch	2X2
140	P219/220/221	Air Test Patch	2X2
141	P223/224/225	Air Test Patch	2X2
142	P227/229/230	Air Test Patch	2X2
143	P227/228/229	Air Test Patch	2X2
144	P238/239/240	Air Test Patch	2X2
145	P219/238/239	Air Test Patch	2X2
146	P221/237, 1' from EOS	Damage Patch	2X3
147	P221/236/237	Air Test Patch	2X2
148	P235/236/237	Air Test Patch	2X2
149	P233/234/235	Air Test Patch	2X2
150	P234/235/236	Air Test Patch	2X3
151	P220/221/236	Air Test Patch	2X2
152	P245/246/247	Air Test Patch	2X2
153	P244/245/246	Air Test Patch	2X3
154	P246/247/248	Air Test Patch	2X2
155	P223/243/244	Air Test Patch	2X2
156	P243/244/245	Air Test Patch	2X2
157	P240/241/242	Air Test Patch	2X2
158	P225/241/242	Air Test Patch	2X2
159	P224/225/241	Air Test Patch	2X2
160	DT-23/P215/217, 45' from EOS	DT Patch	3X7
161	DT-24/P219/221, 35' from BOS	DT Patch	3X7
162	DT-25/P233/235, 43' from EOS	DT Patch	3X7
163	DT-26/P240/242, 48' from EOS	DT Patch	3X7
164	DT-27/P245/247, 54' from EOS	DT Patch	3X7
165	P228/229/247	Air Test Patch	2X2
166	P251/252/253	Air Test Patch	2X2
167	P250/251/252	Air Test Patch	2X2
168	P249/253/254	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
169	P252/253/254	Air Test Patch	2X2
170	P229/230/247	Air Test Patch	2X2
171	P230/247/248	Air Test Patch	2X2
172	P232/249/250	Air Test Patch	2X2
173	P249/260/261	Air Test Patch	2X2
174	P261/262/263	Air Test Patch	2X2
175	P257/262/263/253	Air Test Patch	2X2
176	P255/256/257/253	Air Test Patch	2X2
177	P267/302	CAP	1X40
178	P266/267/302	CAP	1X30
179	DT-29/P261/263, 41' from BOS	DT Patch	3X7
180	DT28/P251/253, 16' from BOS	DT Patch	3X7
181	P216/217/297	Air Test Patch	2X2
182	P295/296/297	Air Test Patch	2X2
183	P294/295/296	Air Test Patch	2X2
184	P265/266/267	Air Test Patch	2X2
185	P267/302/R177/R178	Air Test Patch	2X2
186	P300/301/302	Air Test Patch	2X2
187	P299/300/301	Air Test Patch	2X2
188	P267/302/R177/R198	Air Test Patch	2X2
189	P301/302/303	Air Test Patch	2X2
190	P301/299/303	Air Test Patch	2X3
191	P269/272/271	Air Test Patch	2X2
192	P274/304/305	Air Test Patch	2X3
193	P304/305/307	Air Test Patch	2X2
194	P270/271/309	Air Test Patch	2X2
195	P269/270/271	Air Test Patch	2X2
196	P269/298/299	Air Test Patch	2X2
197	P298/299/300	Air Test Patch	2X2
198	DT-33/P289/292, 40' from BOS	DT Patch	3X7
199	P284/317, 80' from BOS	Damage Patch	2X2
200	P313/314/315	Air Test Patch	2X2
201	P281/282/313/314	Air Test Patch	3X4
202	P279/281/282	Air Test Patch	2X2
203	DT-32/P279/281, 25' from BOS	DT Patch	3X7
204	P279/280/281	Air Test Patch	2X2
205	P280/281/313	Air Test Patch	2X2
206	P310/311/312	Air Test Patch	2X2
207	P275/276/311/312	Air Test Patch	2X4
208	P274/275/276	Air Test Patch	2X2
209	DT-36/P307/309, 80' from EOS	DT Patch	3X8
210	DT-35/P301/302, 21' from BOS	DT Patch	3X7

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
211	P306/307/308	Air Test Patch	2X2
212	P274/276/277	Air Test Patch	2X2
213	P276/277/312	Air Test Patch	2X2
214	P305/306/307	Air Test Patch	2X2
215	P305/306/274	Air Test Patch	2X2
216	DT-31/P274/276, 35' from EOS	DT Patch	3X7
217	DT-30/P265/267, 85' from EOS	DT Patch	3X7
218	DT-34/P294/296, 94' from EOS	DT Patch	3X7
219	P270/271/R195	Air Test Patch	2X2
220	P215/217, 15' from BOS	Damage Patch	2X2
221	P233/235, 45' from BOS	Air Test Patch	3X7
222	P271/272/309	Air Test Patch	2X2
223	P314/315/316	Air Test Patch	2X3
224	P315/316/317	Air Test Patch	2X2
225	P286/287/284	Air Test Patch	2X2
226	P286/287/318	Air Test Patch	2X2
227	P285/286/284	Air Test Patch	2X2
228	P285/286/318	Air Test Patch	2X2
229	P318/319/320	Air Test Patch	2X2
230	P289/290/291	Air Test Patch	2X2
231	P290/291/351	Air Test Patch	2X2
232	P291/351/352	Air Test Patch	2X3
233	P351/352/350	Air Test Patch	2X2
234	P291/292/352	Air Test Patch	2X2
235	P289/291/292	Air Test Patch	2X2
236	P289/321/322	Air Test Patch	2X2
237	P320/321/322	Air Test Patch	2X2
238	P289/292/293	Air Test Patch	2X3
239	P292/293/352	Air Test Patch	2X2
240	P348/349/350	Air Test Patch	2X2
241	P324/348/349	Air Test Patch	2X2
242	P324/349, 16' from BOS	Damage Patch	2X2
243	P355/356/357	Air Test Patch	2X2
244	P354/355/356	Air Test Patch	2X2
245	P329/353/354	Air Test Patch	2X2
246	P353/354/356	Air Test Patch	2X2
247	P324/326/327	Air Test Patch	2X2
248	P326/327/357	Air Test Patch	2X2
249	P324/325/326	Air Test Patch	2X2
250	P325/326/357	Air Test Patch	2X2
251	P319/320/322	Air Test Patch	2X2
252	P329/331/332	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
253	P331/332/362	Air Test Patch	2X2
254	P331/361/362	Air Test Patch	2X2
255	P360/361/362	Air Test Patch	2X2
256	P330/331/361	Air Test Patch	2X2
257	P329/330/331	Air Test Patch	2X2
258	P359/360/361	Air Test Patch	2X2
259	P358/359/360	Air Test Patch	2X2
260	P335/336/366	Air Test Patch	2X2
261	P334/335/336	Air Test Patch	2X2
262	P363/364/365	Air Test Patch	2X2
263	P339/363/364	Air Test Patch	2X2
264	P336/337/366	Air Test Patch	2X2
265	P334/336/337	Air Test Patch	2X2
266	P369/370/371	Air Test Patch	2X2
267	P368/369/370	Air Test Patch	2X2
268	P370/371/372	Air Test Patch	2X2
269	P341/342/371/372	Air Test Patch	2X3
270	P339/341/342	Air Test Patch	2X2
271	P367/368/369	Air Test Patch	2X2
272	P344/367/368	Air Test Patch	2X2
273	P256/393/392	Air Test Patch	2X2
274	P392/393/394	Air Test Patch	2X2
275	P393/394/395	Air Test Patch	2X2
276	P376/394/395	Air Test Patch	2X2
277	P374/376, 14' from BOS	Damage Patch	2X7
278	P398/399/400	Air Test Patch	2X2
279	P381/399/400	Air Test Patch	2X2
280	P380/381/399	Air Test Patch	2X2
281	P378/380/381	Air Test Patch	2X2
282	P397/398/399	Air Test Patch	2X2
283	P396/397/398	Air Test Patch	2X2
284	P379/380/399	Air Test Patch	2X2
285	P378/379/380	Air Test Patch	2X2
286	P459/461, 25' from BOS, mid.	Damage Patch	2X2
287	P408/411/412	Air Test Patch	2X2
288	P378/411/412	Air Test Patch	2X2
289	P408/409/412	Air Test Patch	2X2
290	P409/410/412	Air Test Patch	2X2
291	P407/408/409	Air Test Patch	2X2
292	P407/409/410	Air Test Patch	2X2
293	P431/432/433	Air Test Patch	2X2
294	P386/432/433	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
295	P429/430/431	Air Test Patch	2X2
296	P430/431/432	Air Test Patch	2X2
297	P385/386/432	Air Test Patch	2X2
298	P384/385/386	Air Test Patch	2X2
299	P417/418/419	Air Test Patch	2X2
300	P389/417/418	Air Test Patch	2X2
301	P418/419/420	Air Test Patch	2X2
302	P419/420/421	Air Test Patch	2X2
303	P389/390/418	Air Test Patch	2X2
304	P388/389/390	Air Test Patch	2X2
305	P434/435/436	Air Test Patch	2X2
306	P435/436/437	Air Test Patch	2X2
307	P403/404/437	Air Test Patch	2X2
308	P374/375/376	Air Test Patch	2X2
309	P375/376/394	Air Test Patch	2X2
310	P402/403/404	Air Test Patch	2X2
311	P439/440/441	Air Test Patch	2X2
312	P440/441/443	Air Test Patch	2X2
313	P405/406/437	Air Test Patch	2X2
314	P402/404/405	Air Test Patch	2X2
315	P436/437/438	Air Test Patch	2X2
316	P405/437/438	Air Test Patch	2X2
317	P415/416/443	Air Test Patch	2X2
318	P414/415/416	Air Test Patch	2X2
319	P444/445/448	Air Test Patch	2X2
320	P445/457/458	Air Test Patch	2X2
321	P456/457, 22' from EOS	Damage Patch	2X2
322	P423/424/425	Air Test Patch	2X2
323	P424/425/459	Air Test Patch	2X2
324	DT-45/P396/398, 18' from EOS	DT Patch	3X7
325	DT-44/P392/394, 37' from EOS	DT Patch	3X7
326	DT-39/P324/348, 26' from BOS	DT Patch	3X7
327	DT-48/P447/448, 32' from BOS	DT Patch	3X7
328	DT-51/P460/461, 36' from BOS	DT Patch	3X7
329	P440/442/1179	Air Test Patch	2X2
330	P415/442/1179	Air Test Patch	2X2
331	DT-49/P434/436, 53' from BOS	DT Patch	3X7
332	DT-47/P419/421, 18' from BOS	DT Patch	3X7
333	DT-50/P429/431, 31' from BOS	DT Patch	3X7
334	DT-46/P409/412, 27' from BOS	DT Patch	3X7
335	DT-38/P350/352, 23' from BOS	DT Patch	3X7
336	DT-40/P355/357, 26' from BOS	DT Patch	3X7

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
337	DT-41/P358/360, 31' from BOS	DT Patch	3X7
338	DT-37/P334/336, 17' from BOS	DT Patch	3X7
339	DT-42/P364/365, 32' from BOS	DT Patch	3X7
340	DT-43/P368/370, 29' from BOS	DT Patch	3X7
341	P537/538/539	Air Test Patch	2X2
342	P538/539/540	Air Test Patch	2X2
343	P519/520/521	Air Test Patch	2X2
344	P520/521/522	Air Test Patch	2X2
345	P506/507/508	Air Test Patch	2X2
346	P505/506/507	Air Test Patch	2X2
347	P493/494/553	Air Test Patch	2X2
348	P492/493/494	Air Test Patch	2X2
349	P489/490/550	Air Test Patch	2X2
350	P488/489/490	Air Test Patch	2X2
351	P542/543/544	Air Test Patch	2X2
352	P541/542/543	Air Test Patch	2X2
353	P472/473/541	Air Test Patch	2X2
354	P471/472/473	Air Test Patch	2X2
355	P478/479/480	Air Test Patch	2X2
356	P477/478/479	Air Test Patch	2X2
357	P464/465/477	Air Test Patch	2X2
358	P463/464/465	Air Test Patch	2X2
359	P331/360/362	Cap	2X12
360	P362/R539	Cap	2X37
361	P15/16/40/41	Cap	2X127
362	P19/20/21/46	Cap	2X126
363	P24/26/51	Cap	2X60
364	P24/26/51/R363	Cap	2X59
365	P52/81/82	Cap	2X112
366	P55/88	Cap	2X50
367	P54/55/56/88	Cap	2X110
368	P58/59/104	Cap	2X110
369	P62/63/109	Cap	1X114
370	P62/63/R369	Cap	2X114
371	P69/114	Cap	2X54
372	P69/173/174/R371	Cap	2X114
373	P72/122/R371	Cap	4X37
374	P72/123/122/R373	Cap	2X112
375	P73/74/75/142	Cap	2X95
376	P76/77/78/148	Cap	2X76
377	P116/154	Cap	2X54
378	P90/177	Cap	2X53

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
379	P90/R378	Cap	2X53
380	P92/93/188	Cap	2X45
381	P94/95/96/183	Cap	2X43
382	P97/98/193	Cap	2X43
383	P132/198	Cap	2X42
384	P132/R383	Cap	2X42
385	P134/202/R386	Cap	2X36
386	P134/R385	Cap	2X36
387	P136/206/R388	Cap	2X20
388	P136/R387	Cap	2X20
389	P137/138/210	Cap	2X10
390	P10/11/12/35/36	Cap	2X64
391	P6/7/31/32	Cap	2X114
392	P6/7/R391	Cap	2X114
393	P1/2/3/171	Cap	2X98
394	P127/128/166/172	Cap	2X53
395	P130/167/R396	Cap	2X22
396	P130/R395	Cap	2X22
397	P116/154/R377/1103	Air Test Patch	2X3
398	P116/154/R377	Air Test Patch	3X3
399	P78/148/R376	Air Test Patch	2X3
400	P77/78/148R376	Air Test Patch	2X2
401	P90/177/R378/379	Air Test Patch	2X5
402	P90/177/R378/379	Air Test Patch	3X6
403	P93/188/R380	Air Test Patch	2X3
404	P93/188/R380	Air Test Patch	2X3
405	P96/183/R381	Air Test Patch	2X3
406	P95/96/183/R381	Air Test Patch	2X2
407	P95/183/R381	Air Test Patch	2X3
408	P98/193/R382	Air Test Patch	2X3
409	P98/193/R382	Air Test Patch	2X3
410	P131/198/383/384	Air Test Patch	2X6
411	P131/198/383/384	Air Test Patch	2X6
412	P134/202/R385	Air Test Patch	2X5
413	P134/202/R385	Air Test Patch	2X5
414	P136/206/R387	Air Test Patch	2X6
415	P136/206/R387/388	Air Test Patch	2X6
416	P138/210/R389	Air Test Patch	2X3
417	P138/210/R389	Air Test Patch	2X3
418	P75/142/R375	Air Test Patch	2X2
419	P72/123/R373/374	Air Test Patch	2X2
420	P123/176/R373	Air Test Patch	2X5

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
421	R373/R374/P176	Air Test Patch	2X2
422	P123/176/R373	Air Test Patch	2X2
423	P122/123/175/R373	Air Test Patch	2X2
424	P74/142/R375	Air Test Patch	2X2
425	P74/75/R375	Air Test Patch	2X2
426	P72/175/R374	Air Test Patch	2X3
427	P69/174/R372/1102	Air Test Patch	2X3
428	P173/174/R374/114	Air Test Patch	2X2
429	P114/175/R371/372	Air Test Patch	2X4
430	P69/114/R371/372	Air Test Patch	2X5
431	P63/109/R369/370	Air Test Patch	2X3
432	P62/63/R370	Air Test Patch	2X2
433	P59/104/R368/58T	Air Test Patch	2X2
434	P56/88/R367	Air Test Patch	2X3
435	P55/56/R368	Air Test Patch	2X2
436	P53/82/R365	Air Test Patch	2X3
437	P81/82/R365/53	Air Test Patch	2X2
438	P26/51/R363	Air Test Patch	2X3
439	P21/46/R362	Air Test Patch	2X3
440	P20/21/R362	Air Test Patch	2X2
441	P40/41/R361/16	Air Test Patch	2X2
442	P16/41/R361	Air Test Patch	2X2
443	P12/36/R390	Air Test Patch	2X3
444	P35/36/R390	Air Test Patch	2X2
445	P11/12/R390/35	Air Test Patch	2X2
446	P6/7/R392	Air Test Patch	2X2
447	P31/32/R391	Air Test Patch	2X2
448	P7/32/R391/392	Air Test Patch	2X7
449	P3/171/R393	Air Test Patch	2X4
450	P2/3/R393	Air Test Patch	2X2
451	P128/172/R394	Air Test Patch	2X5
452	P130/167/R395/396	Air Test Patch	2X5
453	P130/167/R395/396	Air Test Patch	2X5
454	P128/166/R394/172	Air Test Patch	2X6
455	P166/172/R394	Air Test Patch	2X3
456	P2/171/R393/918	Air Test Patch	2X3
457	P6/31/R391	Air Test Patch	2X5
458	P11/35/R390	Air Test Patch	2X3
459	P16/40/R361/923	Air Test Patch	2X3
460	P20/46/R362	Air Test Patch	2X3
461	P25/51/R363	Air Test Patch	2X2
462	P25/26/R363	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
463	P26/51/R363/364	Air Test Patch	2X2
464	P53/81/R365	Air Test Patch	2X3
465	P55/88/R367	Air Test Patch	2X2
466	P59/104/R368	Air Test Patch	2X3
467	P62/109/R369/370	Air Test Patch	2X4
468	DT-67/P128/R394, 25' from EOS	DT Patch	3X7
469	DT-66/P12/R390, 34' from EOS	DT Patch	3X7
470	DT-60/P21/R362, 25' from EOS	DT Patch	3X7
471	DT-61/P53/R365, 33' from EOS	DT Patch	3X7
472	DT-62/P59/R368, 30' from EOS	DT Patch	3X7
473	DT-63/P69/R372, 22' from EOS	DT Patch	3X7
474	DT-64/P74/R375, 20' from EOS	DT Patch	3X7
475	DT-18A/P116/155, 12' from BOS	DT Patch	3X7
476	P116/155 to DT-18A	Cap	3X11
477	DT-64/P93/R380, 18' from EOS	DT Patch	3X7
478	DT-22/P132/199, 27' from BOS	DT Patch	3X7
479	P490/550, 10' fromo BOS	Pipe Boot	4X4
480	DT-52/P541/542, 10' from BOS	DT Patch	3X7
481	DT-72/P479/480, 35' from BOS	DT Patch	3X7
482	P471/480, 10' from BOS	Pipe Boot	3X4
483	P477/798, 7' from EOS	Pipe Boot	3X4
484	DT-71/P475/476, 41' from EOS	DT Patch	3X7
485	P468/474, 24' from BOS	Pipe Boot	3X4
486	P468/469/474	Air Test Patch	2X2
487	P467/468/469	Air Test Patch	2X2
488	DT-55/P560/561, 46' from BOS	DT Patch	3X7
489	DT-56/P587/588, 37' from BOS	DT Patch	3X7
490	P565/566/588	Air Test Patch	2X2
491	P564/565/566	Air Test Patch	2X2
492	DT-74/P726/727, 35' from BOS	DT Patch	3X7
493	DT-68/P717/718, 19' from BOS	DT Patch	3X7
494	DT-59/P642/643, 8' from EOS	DT Patch	3X7
495	P759/760/797/R496	Cap	2X50
496	P758/759/797	Cap	2X50
497	P758/797	Cap	2X47
498	P505/506/507	Air Test Patch	2X2
499	P506/507/508	Air Test Patch	2X2
500	P635/636/637	Air Test Patch	2X2
501	P634/635/636	Air Test Patch	2X2
502	P693/694/695	Air Test Patch	2X2
503	P694/695/696	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
504	P520/521/522	Air Test Patch	2X2
505	P519/520/521	Air Test Patch	2X2
506	DT-73/P518/519, 25' from tie-in	DT-Patch	3X7
507	P616/617/618	Air Test Patch	2X2
508	P617/618/619	Air Test Patch	2X2
509	DT-53/P528/529, 11' from tie-in	DT-Patch	3X7
510	DT-58/P613/614, 13' from tie-in	DT-Patch	3X7
511	P611/612/613	Air Test Patch	2X2
512	P610/611/612	Air Test Patch	2X2
513	P450/451, 23' from EOS	Pipe Boot	3X3
514	DT-69/P682/683, 14' from tie-in	DT-Patch	3X7
515	DT-57/P603/604, 16' from tie-in	DT-Patch	3X7
516	P667/668, 26' from BOS	Pipe Boot	4X4
517	DT-70/P666/667, 24' from tie-in	DT-Patch	3X7
518	P665/666, 7' from EOS	Pipe Boot	4X5
519	DT-54/P583/584, 11' from EOS	DT-Patch	3X7
520	P576/577, 15' from EOS	Pipe Boot	4X5
521	P431/432, 30' from EOS	Pipe Boot	4X4
522	P397/399, 21' from BOS	Pipe Boot	3X4
523	P397/399, 10' from EOS	Pipe Boot	3X3
524	P374/376, 14' from BOS	Pipe Boot	4X5
525	P244/245, 11' from BOS	Pipe Boot	4X5
526	P294/265, 2' from trench top	Pipe Boot	3X3
527	P399/307/308	Pipe Boot	5X5
528	P279/282, 15' from BOS	Pipe Boot	5X5
529	P327/357, 11' from BOS top	Pipe Boot	4X5
530	P370/372, 11' from BOS top	Pipe Boot	5X5
531	P341/371, 6' from EOS	Pipe Boot	3X4
532	P826/827/828	Air Test Patch	2X2
533	P825/826/827	Air Test Patch	2X2
534	P743/828/829	Air Test Patch	2X3
535	P784/796/795	Air Test Patch	2X2
536	P795/796/797	Air Test Patch	2X2
537	P759/760/R495	Air Test Patch	2X2
538	P757/759/760	Air Test Patch	2X2
539	P759/797/R495/R496	Air Test Patch	2X2
540	DT-49/P795/797	DT-Patch	3X7
541	P784/786/787	Air Test Patch	2X2
542	P786/787/798	Air Test Patch	2X2
543	DT-80/P798/799, 75' from EOS	DT-Patch	3X7
544	P785/786/798	Air Test Patch	2X2
545	P784/785/786	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
546	P789/790/791	Air Test Patch	2X2
547	P790/791/801	Air Test Patch	2X2
548	P793/803/806	Air Test Patch	2X2
549	P758/797/R496/R497	Air Test Patch	2X2
550	P758/759/R496	Air Test Patch	2X2
551	P757/758/759	Air Test Patch	2X2
552	P775/776/777	Air Test Patch	2X2
553	P776/777/778	Air Test Patch	2X2
554	P763/764/778	Air Test Patch	2X2
555	P762/763/764	Air Test Patch	2X2
556	DT-78/P764/778, 22' from BOS	DT Patch	3X7
557	P777/778/779	Air Test Patch	2X2
558	P764/778/779	Air Test Patch	2X2
559	P947/950/233/237/221/219/239/240/TI	Cap	5X60
560	P265/294/296/297/217/215/950/TI	Cap	2X50
561	P924/925/927	Air Test Patch	2X2
562	P923/924/926	Air Test Patch	2X2
563	DT-89/P925/926, 42' from BOS	DT Patch	3X7
564	P549/922/926	Air Test Patch	2X2
565	P922/925/926	Air Test Patch	2X2
566	P920/922/925	Air Test Patch	2X2
567	P918/919/923/925/920	Air Test Patch	2X4
568	P11/13/918	Air Test Patch	2X2
569	P33/34/918	Air Test Patch	2X2
570	P8/33/918	Air Test Patch	2X2
571	P31/918/R391	Air Test Patch	2X2
572	P919/920/922	Air Test Patch	2X2
573	P918/919/920	Air Test Patch	2X2
574	P545/546/922	Air Test Patch	2X2
575	P482/483/922	Air Test Patch	2X2
576	P473/541/922	Air Test Patch	2X2
577	P921/922/919	Air Test Patch	2X2
578	DT-88/P918/919, 60' EOS	DT Patch	3X7
579	P2/171/918	Air Test Patch	2X2
580	P160/918	Air Test Patch	2X2
581	P128/918/R394	Air Test Patch	2X2
582	P164/165/917/918	Air Test Patch	2X2
583	P917/918/19	Air Test Patch	2X2
584	DT-87/P919/921, 60' BOS	DT Patch	3X7
585	P130/163/917	Air Test Patch	2X2
586	P168/917/1055	Air Test Patch	2X2
587	P917/919/1055	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
588	P919/921/1055	Air Test Patch	2X2
589	P467/469/921	Damage Patch	2X3
590	P474/475/921	Air Test Patch	2X2
591	P463/476/921	Air Test Patch	2X2
592	P463/465/921	Air Test Patch	4X4
593	P80/924/927/79	Air Test Patch	2X2
594	P53/83/929	Air Test Patch	2X2
595	P59/104/943/944	Air Test Patch	2X2
596	P64/944/945	Air Test Patch	2X2
597	P746/747/748	Air Test Patch	2X2
598	P747/748/768	Air Test Patch	2X2
599	P751/771/772	Air Test Patch	2X2
600	P771/772/773	Air Test Patch	2X2
601	DT-76/P751/772, 9' from EOS	DT Patch	3X7
602	P754/755	Air Test Patch	2X2
603	DT-77/P781/782, 32' from BOS	DT Patch	3X7
604	FC-59/P767/833, 3' from BOS	Field Coupon Patch	2X2
605	P743/828/829	Air Test Patch	2X2
606	P743/744/948	Weld Restart	3X11
607	P946/947/948	Air Test Patch	2X2
608	P947/949/R559/950	Air Test Patch	2X2
609	P949/R559/560/223	Air Test Patch	2X2
610	P239/R559, 4' from BOS	Weld Restart	4X4
611	P239/240/R559	Air Test Patch	2X2
612	P227/230/947	Air Test Patch	3X4
613	P250/947, 3' from BOS	Weld Restart	2X2
614	P232/247/249	Air Test Patch	2X3
615	P260/261/947	Air Test Patch	2X2
616	P851/871/872	Air Test Patch	2X2
617	P853/871/872	Air Test Patch	2X2
618	P256/258/850	Air Test Patch	2X2
619	P393/849	Air Test Patch	2X6
620	P374/376/846	Air Test Patch	2X2
621	P396/844/845/374	Air Test Patch	2X2
622	DT-83/P844/845	DT Patch	3X7
623	P349/400/843	Air Test Patch	2X2
624	P418/577/578	Air Test Patch	2X2
625	P391/418/578	Air Test Patch	2X2
626	FC-52/P436/581, 4' from BOS	Field Coupon Patch	2X2
627	P438/582/583	Air Test Patch	2X2
628	P439/585/660	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
629	P441/443/602	Air Test Patch	2X2
630	P455/460/540/595/603	Air Test Patch	3X3
631	FC-49/P461/538, 2' from EOS	Field Coupon Patch	2X2
632	P459/537/538	Air Test Patch	2X2
633	P425/536/537	Air Test Patch	2X2
634	P423/535/536	Air Test Patch	2X2
635	P446/534/535	Air Test Patch	2X2
636	P947/948/949	Air Test Patch	2X2
637	P447/533/534	Air Test Patch	2X2
638	P427/449/530	Air Test Patch	2X2
639	P451/452/527	Air Test Patch	2X2
640	P502/641/642	Air Test Patch	2X3
641	P503/640/641	Air Test Patch	2X2
642	P503/504/640	Air Test Patch	2X2
643	P504/639/640	Air Test Patch	2X2
644	P508/509/636	Air Test Patch	2X2
645	P509/510/634	Air Test Patch	2X2
646	FC-56/P515/629, 2' from EOS	Field Coupon Patch	2X3
647	P515/516/628/629	Air Test Patch	2X2
648	P516/627/628/517	Air Test Patch	2X2
649	P518/623/626/519	Air Test Patch	2X2
650	P524/620/621/525	Air Test Patch	2X2
651	P525/526/619/620	Air Test Patch	2X2
652	P531/613, 3' from BOS	Damage Patch	2X2
653	P532/610/612	Air Test Patch	2X2
654	FC-50/P535/608, 2' from BOS	Field Coupon Patch	2X3
655	P536/606/607	Air Test Patch	2X2
656	P444/445/598	Air Test Patch	2X2
657	P416/600/601	Air Test Patch	2X2
658	FC-51/P416/601/443, 3' from R-657	Field Coupon Patch	2X3
659	P600/601/662/663	Air Test Patch	2X3
660	FC-53/P603/669, 3' from BOS	Field Coupon Patch	2X3
661	FC-54/P621/685, 2' from EOS	Field Coupon Patch	2X3
662	P623/624/687	Air Test Patch	2X2
663	P624/688/687	Air Test Patch	2X2
664	P625/689/688	Air Test Patch	2X2
665	P626/625/689	Air Test Patch	2X2
666	P626/627/690	Air Test Patch	2X2
667	P629/693/630	Air Test Patch	2X2
668	P630/695/693	Air Test Patch	2X2
669	P631/696/695	Air Test Patch	2X2
670	P631/632/696	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
671	P634/699/698/633	Air Test Patch	2X2
672	FC-55/P635/700, 2' from BOS	Field Coupon Patch	2X3
673	P638/639/704/703	Air Test Patch	2X2
674	P640/705/706/641	Air Test Patch	2X2
675	P642/707/708/643	Air Test Patch	2X2
676	P645/710/711/646	Air Test Patch	2X2
677	P654/655/720	Air Test Patch	2X2
678	P658/723/724	Air Test Patch	2X2
679	P725/726, 13' from road	Pipe Boot	3X3
680	P4/5, 10' from trench	Gas Vent Patch	2X2
681	P3, 2' from P3/4 top trench	Gas Vent Patch	2X2
682	P33, 5' from P33/34 top trench	Gas Vent Patch	2X2
683	P7, 2' from P7/8, 2' from P6/7	Gas Vent Patch	2X2
684	P12, 4' from P12/35, 3' from BOS	Gas Vent Patch	2X2
685	P38, 4' from P37/38	Gas Vent Patch	2X2
686	P43, 5' from P43/44/45	Gas Vent Patch	2X2
687	P16, 5' from P16/18, 13' from EOS	Gas Vent Patch	2X2
688	P21, 9' from P21/22, 6' from EOS	Gas Vent Patch	2X2
689	P26, 4' from P26/27, 21' from BOS	Gas Vent Patch	2X2
690	P26, 4' from P21/23, 6' from EOS	Gas Vent Patch	2X2
691	P53, 2' from P53/83, 4' from EOS	Gas Vent Patch	2X2
692	P56, 3' from P56/99, 3' from EOS	Gas Vent Patch	2X2
693	P59, 3' from P59/85, 70' from EOS	Gas Vent Patch	2X2
694	P62, 6' from P62/66, 5' from BOS	Gas Vent Patch	2X2
695	P69, 7' from P69/118, 46' from EOS	Gas Vent Patch	2X2
696	P72, 3' from P72/124, 45' from EOS	Gas Vent Patch	2X2
697	P74, 3' from P74/143, 11' from BOS	Gas Vent Patch	2X2
698	P77, 4' from P77/150, 12' from BOS	Gas Vent Patch	2X2
699	P166, 3' from P116/155, 18' from BOS	Gas Vent Patch	2X2
700	P90, 3' from P90/184, 30' from EOS	Gas Vent Patch	2X2
701	P879/983/984/878	Air Test Patch	2X2
702	DT-101/P165/918, 5' from BOS	DT Patch	3X7
703	P93, 4' from P93/180, 30 from top	Gas Vent Patch	2X2
704	P95, 3' from 95/183, 5' from BOS	Gas Vent Patch	2X2
705	P98, 3' from P98/193, 30' from EOS	Gas Vent Patch	2X2
706	P347/1043/1044	Air Test Patch	2X2
707	P1042/1043/1044	Air Test Patch	2X2
708	P346/347/1043	Air Test Patch	2X2
709	P345/346/1043	Air Test Patch	2X2
710	P344/345/346	Air Test Patch	2X2
711	DT-95/P1047/1049, 43' from EOS	DT Patch	3X7
712	DT-94/P1046/1048, 83' from EOS	DT Patch	3X7

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
713	DT-93/P1041/1042, 44' from EOS	DT-Patch	3X7
714	P793/794/1028	Air Test Patch	2X2
715	P339/342/1029	Air Test Patch	2X2
716	P365/366/1030/1029	Air Test Patch	2X2
717	DT-100/P1027/1030, 11' from EOS	DT-Patch	3X7
718	P789/790/1028	Air Test Patch	2X2
719	P784/785/1159	Air Test Patch	2X2
720	P784/795/1159	Air Test Patch	3X4
721	P334/3371030	Air Test Patch	2X2
722	P358/360	Air Test Patch	2X2
723	P329/1026, 3' from EOS	Weld Restart	3X4
724	P355/357/1026	Air Test Patch	2X2
725	DT-98/P1025/1026, 55' from EOS	DT-Patch	3X7
726	P762/763/1024	Air Test Patch	2X2
727	P289/292/1026	Air Test Patch	2X2
728	P724/1024	Air Test Patch	2X2
729	DT-99/P1024/1025, 33' from BOS	DT-Patch	3X7
730	P750/751/1024	Air Test Patch	2X2
731	P768/769/948/1024	Air Test Patch	4X4
732	P948/949/1024/1025	Air Test Patch	2X4
733	P949/950/1025/1026	Air Test Patch	2X4
734	P279/282/950	Air Test Patch	2X2
735	P274/277/950	Weld Restart	4X4
736	DT-96/P949/950, 43' from BOS	DT-Patch	3X7
737	DT-97/P946/947, 22' from BOS	DT-Patch	3X7
738	P812/813/946	Air Test Patch	2X2
739	P223/225/947	Air Test Patch	2X2
740	P862/863/946	Air Test Patch	2X2
741	P859/946, 2' from BOS	Weld Restart	2X2
742	P853/854/946	Air Test Patch	2X2
743	P853/1007/1008	Air Test Patch	3X3
744	P853/854/1007/1008	Air Test Patch	2X2
745	DT-84/P864/865, 16' from tie-in	DT-Patch	3X7
746	P864/865/997	Air Test Patch	2X2
747	P869/991/992	Air Test Patch	2X2
748	P871/989/990	Air Test Patch	2X2
749	P873/988/989	Air Test Patch	2X2
750	P886/976/977	Air Test Patch	2X2
751	P889/890/973	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
752	DT-91/P968/969, 13' from EOS	DT Patch	3X7
753	P904/954, 3' from EOS	Air Test Patch	2X2
754	P955/956/962	Air Test Patch	3X3
755	DT-90/P956/957, 17' from EOS	DT Patch	3X7
756	P909/958/959	Air Test Patch	2X3
757	P755/782/906	Air Test Patch	2X2
758	FC-60/P774/903, mid	Field Coupon Patch	2X2
759	P751/772	Air Test Patch	2X2
760	P750/770/838/839	Air Test Patch	2X2
761	P769/770/837/838	Air Test Patch	2X2
762	P769/836/837/768	Air Test Patch	2X2
763	P768/835/836	Air Test Patch	2X2
764	P746/748/834/835	Air Test Patch	2X2
765	DT-75/P744/765, 10' up from tie-in	DT Patch	3X7
766	DT-82/P827/828, 13' up from tie-in	DT Patch	3X7
767	P807/866/926/867	Air Test Patch	2X2
768	P807/867	Air Test Patch	2X2
769	P810/811/870	Air Test Patch	2X2
770	P811/870/871	Air Test Patch	2X2
771	P813/814/874	Air Test Patch	2X2
772	DT-81/P814/815, 7' up from tie-in	DT Patch	3X7
773	FC-57/P817/878, 3' from BOS	Field Coupon Patch	2X3
774	P818/879, 4' from BOS	Weld Restart	3X3
775	DT-107/P879/880	DT Patch	3X7
776	DT-85/P884/885, 14' up from tie-in	DT Patch	3X7
777	P823/884/885/824	Air Test Patch	2X2
778	P824/885/886/825	Air Test Patch	2X2
779	P825/827/887/886	Air Test Patch	2X2
780	P829/889/890/830	Air Test Patch	2X2
781	P832/892/893/833	Air Test Patch	2X2
782	FC-58/P835/896, 2' from BOS	Field Coupon Patch	2X3
783	DT-92/P989/990, 14' from top trench	DT Patch	3X7
784	DT-108/P876/986, 37' from EOS	DT Patch	3X7
785	P877/985/986	Air Test Patch	2X2
786	P883/979/980/882	Air Test Patch	2X2
787	P884/978/979/883	Air Test Patch	2X2
788	P898/899/964/965	Air Test Patch	2X2
789	P907/956, 27' from BOS	Air Test Patch	2X2
790	P908/957/958	Air Test Patch	2X2
791	DT-112/P748/835	DT Patch	3X7
792	P746/948, 2' from EOS	Damage Patch	2X2
793	P747/748/968	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
794	DT-109/P803/1028, 5' from BOS	DT-Patch	3X7
795	P1027/1029/1030	Air Test Patch	2X2
796	DT-110/P314/1026, 5' from BOS	DT-Patch	3X7
797	P265/266/950/R560/1165	Air Test Patch	4X4
798	P215/217/R560	Air Test Patch	3X3
799	P219/P221/R559	Weld Restart	2X3
800	DT-111/P252/947, 5' from BOS	DT-Patch	3X7
801	P821/881/882	Air Test Patch	2X2
802	P821/882/883	Air Test Patch	2X2
803	P822/883/884	Air Test Patch	2X2
804	P868/992/993/869	Air Test Patch	2X2
805	P866/867/994/995	Air Test Patch	2X2
806	DT-113/P1013/1014, 14' from BOS	DT-Patch	3X7
807	DT-105/P434/580, 5' from BOS	DT-Patch	3X7
808	DT-103/P599/664, 5' from BOS	DT-Patch	3X7
809	P527/616/617	Air Test Patch	2X2
810	DT-102/P522/623, 5' from BOS	DT-Patch	3X7
811	P519/520/624	Air Test Patch	2X2
812	P519/624/625/520	Air Test Patch	2X2
813	P517/626/627/518	Air Test Patch	2X2
814	P509/634/636	Air Test Patch	2X2
815	P508/636/637	Air Test Patch	2X2
816	P500/643/644	Air Test Patch	2X2
817	P650/651/716	Air Test Patch	2X2
818	P649/650/715	Air Test Patch	2X2
819	P647/648/713	Air Test Patch	2X2
820	P646/647/712	Air Test Patch	2X2
821	DT-102/P555/926	DT-Patch	3X7
822	P488/490/926	Weld Restart	2X4
823	P848, 2' from tie-in	Gas Vent Patch	2X2
824	P472, 3' from tie-in	Gas Vent Patch	2X2
825	P476, 4' from tie-in	Gas Vent Patch	2X2
826	P132, 5' from DT-22	Gas Vent Patch	2X2
827	P134, 4' from P134/203, 27' from BOS	Gas Vent Patch	2X2
828	P136, 2' from P136/207, 21' from BOS	Gas Vent Patch	2X2
829	FC-A/P1161/1162, 2' from tie-in	Field Coupon Patch	2X3
830	FC-B/P1070/1072, 4' from tie-in	Field Coupon Patch	2X3
831	P211/1092/B1/B7	Air Test Patch	2X6
832	P1092/1094/1096	Air Test Patch	2X2
833	P1085/1086/1109	Air Test Patch	2X3
834	P1083/1084/1085	Air Test Patch	2X2
835	P1082/1083/1084	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
836	FC-E/P1079/1109/1080, 3' from EOS	Field Coupon Patch	2X3
837	P1074/1075/1108	Air Test Patch	2X2
838	FC-F/P1061/1062, 3' from BOS	Field Coupon Patch	2X3
839	P1095/1109/1130	Air Test Patch	2X2
840	P1094/1109/1130	Air Test Patch	2X2
841	DT-114/P207/1095, 5' from BOS	DT-Patch	3X7
842	DT-115/P1094/1096, 58' from BOS	DT-Patch	3X7
843	DT-116/P199/1095, 6' from BOS	DT-Patch	3X7
844	P199/200/1095	Air Test Patch	2X2
845	P198/1095/R383	Air Test Patch	2X2
846	P98/194/1095/1098	Air Test Patch	2X2
847	P1094/1096/1097/1099	Air Test Patch	2X2
848	DT-117/P1097/1098, 19' from BOS	DT-Patch	3X7
849	DT-118/P190/1098, 6' from BOS	DT-Patch	3X7
850	P183/95/1098	Air Test Patch	2X3
851	P1098/1130/1131	Air Test Patch	2X2
852	P1097/1130/1131	Air Test Patch	2X2
853	DT-119/P186/1098, 5' from BOS	DT-Patch	3X7
854	P1098/1131, 65' from BOS	Damage Patch	2X2
855	P184/185/1098	Air Test Patch	2X2
856	P1097/1099/1100/1101	Air Test Patch	2X2
857	P116/1098/1103	Air Test Patch	2X2
858	P77/1103, 1' from BOS	Damage Patch	2X2
859	P1103/1131/1132	Air Test Patch	2X2
860	P1100/1131/1132	Air Test Patch	2X2
861	P142/1102/1103	Air Test Patch	2X2
862	P1100/1101/1110/1111	Air Test Patch	2X2
863	P1102, 1' from P1102/1132, 19' from EOS	Damage Patch	2X2
864	P175/1102/122	Air Test Patch	2X2
865	DT-120/P119/1102, 5' from EOS	DT-Patch	3X7
866	P114/1102/1116/1112	Air Test Patch	2X2
867	P1110/1113/1132	Air Test Patch	2X2
868	P1110/1111/1112/1113	Air Test Patch	2X2
869	P1116/1132, 24' from BOS	Damage Patch	2X2
870	DT-121/P1112/1113, 76' from BOS	DT-Patch	3X7
871	P1116/1132/1133	Air Test Patch	2X2
872	P1113/1132/1133	Air Test Patch	2X2
873	P942/943/1116	Air Test Patch	2X2
874	P942/1116/1117	Air Test Patch	2X2
875	P1116/1117/1133/1134	Air Test Patch	2X2
876	P1113/1115/1133/1134	Air Test Patch	2X2
877	P1112/1113/1114/1115	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
878	P1117/1134/1135	Air Test Patch	2X2
879	P1118/1134/1135	Air Test Patch	2X2
880	P967, 5' from P966/967, 17' from top	Gas Vent Patch	2X2
881	P995, 5' from P994/995, 17' from top	Gas Vent Patch	2X2
882	P572, 5' from P571/572, 19' from top	Gas Vent Patch	2X2
883	P676, 5' from P675/676, 14' from top	Gas Vent Patch	2X2
884	P493, 2' from P492/493, 6' from tie-in	Gas Vent Patch	2X2
885	P490, 1' from P488/490, 5' from EOS	Gas Vent Patch	2X2
886	P486, 1' from P485/486, 22' from tie-in	Gas Vent Patch	2X2
887	P483, 1' from P482/483, 25' from tie-in	Gas Vent Patch	2X2
888	P472, 1' from P471/472, 33' from top	Gas Vent Patch	2X2
889	P465, 1' from 463/465, 11' from BOS	Gas Vent Patch	2X2
890	P468, 1' from 467/468, 4' from BOS	Gas Vent Patch	2X2
891	P539, 1' from P538/539, 47' from tie-in	Gas Vent Patch	2X2
892	P565, 1' from P564/565, 4' from BOS	Gas Vent Patch	2X2
893	P708, 4' from P708/707, 14' from tie-in	Gas Vent Patch	2X2
894	P643/708/709	Air Test Patch	2X2
895	P648/714/715	Air Test Patch	2X2
896	P699/700/701	Air Test Patch	2X2
897	P700/701/702	Air Test Patch	2X2
898	P627, 5' from P626/627	Gas Vent Patch	2X2
899	P451/527/528	Air Test Patch	2X2
900	P450/451/528	Air Test Patch	2X2
901	P427/428/530/531	Air Test Patch	2X5
902	P447/448/533	Air Test Patch	2X2
903	P446/447/534	Air Test Patch	2X2
904	P536/537/606	Air Test Patch	2X2
905	P535/536/607	Air Test Patch	2X2
906	P535/607/608	Air Test Patch	2X2
907	P534/608/535	Air Test Patch	2X2
908	P532/533/610	Air Test Patch	2X2
909	P460/461/539	Air Test Patch	2X2
910	P455/456/595	Air Test Patch	3X3
911	P445/457/597	Air Test Patch	2X2
912	P444/445/597/598	Air Test Patch	2X7
913	P444/598/599	Air Test Patch	2X2
914	P414/444/599	Air Test Patch	2X2
915	P414/599/600	Air Test Patch	2X2
916	P597/598/665/666	Air Test Patch	2X2
917	P595/597/667/666	Air Test Patch	2X3
918	P595/596/668/669	Air Test Patch	2X3
919	P603/595/669/668	Air Test Patch	2X3

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
920	P605/606/671/672	Air Test Patch	2X3
921	P608/674/675/607	Air Test Patch	2X2
922	P610/676/675/609	Air Test Patch	2X2
923	P619/683/682/618	Air Test Patch	2X2
924	P415, 2' from P414/415, 34' from BOS	Gas Vent Patch	2X2
925	P405, 2' from P437/405, 16' from EOS	Gas Vent Patch	2X2
926	P390, 2' from P388/390, 20' from EOS	Gas Vent Patch	2X2
927	P386, 2' from P384/386, 42' from EOS	Gas Vent Patch	2X2
928	P409, 2' from P407/409, 13' from BOS	Gas Vent Patch	2X2
929	P374/845/846	Air Test Patch	2X2
930	P374/396/845	Air Test Patch	2X2
931	P400/843/844	Air Test Patch	2X4
932	P378/381/841	Air Test Patch	3X3
933	P378/841/1020	Air Test Patch	3X3
934	P412/1021/1023	Air Test Patch	2X2
935	P1020/1021/1022	Air Test Patch	2X2
936	P1021/1022/1023	Air Test Patch	2X2
937	P410/570/1023	Air Test Patch	2X2
938	P407/410/570	Air Test Patch	2X2
939	P429/431/571	Air Test Patch	2X2
940	P429/431/571	Air Test Patch	2X2
941	P431/571/572	Air Test Patch	2X2
942	P431/433/572	Air Test Patch	2X2
943	P433/572/573	Air Test Patch	2X2
944	P386/433/573	Air Test Patch	2X2
945	P421/575/576	Air Test Patch	2X2
946	P418/420/577	Air Test Patch	2X2
947	P436/581/582	Air Test Patch	2X2
948	P436/438/582	Air Test Patch	2X2
949	P405/438/583	Air Test Patch	2X2
950	P405/583/584	Air Test Patch	2X2
951	P841/1019/1020	Air Test Patch	2X2
952	P842/1018/1019	Air Test Patch	2X2
953	P843/1017/1018	Air Test Patch	2X2
954	P844/1016/1017	Air Test Patch	2X2
955	DT-86/P901/902, 15' from tie-in	DT Patch	3X7
956	P853/871/1009	Air Test Patch	2X2
957	P871/1010/1009	Air Test Patch	2X2
958	P851/850/1010	Air Test Patch	2X2
959	P849/1011/1012	Air Test Patch	2X2
960	P848/1012/1013	Air Test Patch	2X2
961	P847/1013/1014	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
962	P258/850/851	Air Test Patch	2X3
963	DT-106B/P909/958, 3' from EOS	DT-Patch	3X7
964	P909/908/780/781	Cap Strip	3X10
965	DT-106A/P905/955, 4' from EOS	DT-Patch	3X7
966	P906/907/962	Cap Strip	3X10
967	P380, 3' from P378/380, 5' from BOS	Gas Vent Patch	2X2
968	P373/396, 53' from EOS	Pipe Boot	6X6
969	P376, 2' from P374/376, 65' from BOS	Gas Vent Patch	2X2
970	P258, 2' from P256/258, 63' from BOS	Gas Vent Patch	2X2
971	P249, 2' from P232/249, 62' from tie-in	Gas Vent Patch	2X2
972	P229, 2' from P227/229, 26' from BOS	Gas Vent Patch	2X2
973	P225, 2' P223/225, 98' from EOS	Gas Vent Patch	2X2
974	P221, 2' from P219/221, 59' from tie-in	Gas Vent Patch	2X2
975	P217, 2' from P215/217, 53' from tie-in	Gas Vent Patch	2X2
976	P267, 7' fromP265/267, 11' from DT-30	Gas Vent Patch	2X2
977	P271, 3' from P269/271, 52' from BOS	Gas Vent Patch	2X2
978	P276, 7' from P274/276, 25' from BOS	Gas Vent Patch	2X2
979	P282, 3' from P279/282, 7' from EOS	Gas Vent Patch	2X2
980	P287, 2' from P284/287, 23' from EOS	Gas Vent Patch	2X2
981	P292, 2' from P289/292, 29' from EOS	Gas Vent Patch	2X2
982	P327, 2' from P324/327, 27' from EOS	Gas Vent Patch	2X2
983	P331, 2' from P329/331, 52' from BOS	Gas Vent Patch	2X2
984	P1042/1043, 37' from EOS	Pipe Boot	6X7
985	P1034/1040, 5' from BOS	Pipe Boot	5X6
986	P1032/1034/1035	Pipe Boot	6X7
987	P1045, 65' from EOS	Pipe Boot	6X7
988	DT-123/P1126/1127, 14' from BOS	DT-Patch	3X7
989	FC-G/P1102/1132, 34' from EOS	Field Coupon Patch	2X3
990	P1127/1129/1141/1142	Air Test Patch	2X2
991	P591/1141/1142	Air Test Patch	2X2
992	P1124/1126/1127/1141	Air Test Patch	2X2
993	P1124/1125/1141/1123/1122	Air Test Patch	2X2
994	P1125/1140/1141/1122	Air Test Patch	2X2
995	P447/478/1140/1141	Air Test Patch	2X2
996	P471/480/1140	Air Test Patch	2X2
997	P471/472/1140	Air Test Patch	2X2
998	P488/549/1140	Air Test Patch	2X2
999	P488/489/1135/1140	Air Test Patch	2X4
1000	P1140/1135/1119/1120	Air Test Patch	2X2
1001	DT-122/P552/1135	DT-Patch	3X7
1002	P492/493/1135	Air Test Patch	2X2
1003	FC-H/P1121/1135, 55' from BOS	Field Coupon Patch	2X3

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
1004	P1121/1135, 43' from EOS	Damage Patch	2X2
1005	P1121, 1' from P1121/1135, 31' from EOS	Damage Patch	2X2
1006	P1121/1135, 18' from EOS	Damage Patch	2X2
1007	P1114/1115/1121/1135	Air Test Patch	2X2
1008	P931/932/1135	Air Test Patch	2X2
1009	P932/1057/1139/933	Air Test Patch	2X2
1010	P931/932/1057	Air Test Patch	2X2
1011	P556/931/1135	Air Test Patch	2X2
1012	P497/496/1135	Air Test Patch	2X2
1013	P485/486/1140	Air Test Patch	2X5
1014	P485/547/1140	Air Test Patch	2X2
1015	P483/545/1140	Air Test Patch	2X2
1016	P482/544/1140	Air Test Patch	2X2
1017	P542/544/1040	Air Test Patch	2X2
1018	P467/468/1141	Air Test Patch	2X2
1019	DT-125/P587/1141, 5' from BOS	DT Patch	3X7
1020	FC-J/P1125/1140, 15' from EOS	Field Coupon Patch	2X3
1021	DT-124/P546/1140, 5' from BOS	DT Patch	3X7
1022	FC-I/P1129/1142, 14' from BOS	Field Coupon Patch	2X3
1023	P824, 12' from tie-in	Gas Vent Patch	2X2
1024	P886, 13' from tie-in	Gas Vent Patch	2X2
1025	P744, 2' from P743/744, 7' from tie-in	Gas Vent Patch	2X2
1026	P747, 2' from P746/747, 7' from BOS	Gas Vent Patch	2X2
1027	P751, 2' from P750/751, 22' from P1024	Gas Vent Patch	2X2
1028	P755, 2' from P753/755, 11' from EOS	Gas Vent Patch	2X2
1029	P764, 2' from P762/764, 31' from EOS	Gas Vent Patch	2X2
1030	P759, 2' from P757/759, 28' from BOS	Gas Vent Patch	2X2
1031	P786, 2' from P784/786, 10' from EOS	Gas Vent Patch	2X2
1032	P790, 2' from P789/790, 15' from BOS	Gas Vent Patch	2X2
1033	P337, 2' from P334/337, 6' from EOS	Gas Vent Patch	2X2
1034	P340/341/339	Gas Vent Patch	2X2
1035	P347/246/344	Gas Vent Patch	2X2
1036	P1035, 2' from P1034/1035, 13' from R-986	Gas Vent Patch	2X2
1037	P1038, 2' from P1037/1038, 43' from EOS	Gas Vent Patch	2X2
1038	P1145/1146/1157	Air Test Patch	2X2
1039	P656/657/1146	Air Test Patch	2X2
1040	DT-126/P653/1146, 5' from EOS	DT Patch	3X7
1041	P1145/1146/1149/1150	Air Test Patch	2X2
1042	FC-L/P1143/1157, 13' from EOS	Field Coupon Patch	2X2
1043	P1147/1157/1158	Air Test Patch	2X2
1044	P1149/1157/1158	Air Test Patch	2X2
1045	P1149/1158, 12' from BOS	Damage Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
1046	P1149/1150/1153/1154	Air Test Patch	2X2
1047	P1147/1148/1151/1152/1157	Air Test Patch	2X2
1048	FC-K/P1151/1158, 13' from BOS	Field Coupon Patch	2X2
1049	DT-128/P508/1154, 5' from EOS	DT-Patch	3X7
1050	P1153/1152, 14' from BOS	Damage Patch	2X2
1051	P1153/1154/1155	Air Test Patch	2X2
1052	P516/517/1155/1171	Air Test Patch	2X2
1053	P517/518/1170/1171	Air Test Patch	2X2
1054	P1169/1184, 35' from BOS	Pipe Boot	5X9
1055	P524/525/1170	Air Test Patch	2X2
1056	P450/451/1170	Pipe Boot	7X7
1057	P450/1170/1175	Air Test Patch	2X2
1058	P1169/1170/1174/1175	Air Test Patch	2X2
1059	P427/1175, 5' from EOS	Damage Patch	2X2
1060	DT-131/P1174/1175, 29' from BOS	DT-Patch	3X7
1061	P447/1175, 4' from EOS	Damage Patch	2X2
1062	P423/424/1175	Air Test Patch	2X3
1063	DT-132/P459/1175, 5' from BOS	DT-Patch	3X7
1064	P461, 3' from BOS	Damage Patch	2X2
1065	P1174/1175/1178/1179	Air Test Patch	2X2
1066	P455/456/1179	Air Test Patch	2X2
1067	P414/1179, 2' from BOS	Weld Restart	2X3
1068	P415/1179/414, 1' from EOS	Damage Patch	2X2
1069	DT-133/P443/1179, 5' from BOS	DT-Patch	3X7
1070	P1178/1179/1182/1183	Air Test Patch	2X2
1071	P402/439/1179/1183	Air Test Patch	2X2
1072	P402/403/1183	Air Test Patch	2X2
1073	DT-134/P1182/1183, 46' from BOS	DT-Patch	3X7
1074	P388/1183, 5' from BOS	Weld Restart	2X3
1075	P388/389/1183	Air Test Patch	2X2
1076	P417/419/1183	Air Test Patch	2X2
1077	P384/1183/1188/385	Air Test Patch	2X2
1078	P1182/1183/1187/1188	Air Test Patch	2X2
1079	P1153/1158/1184	Air Test Patch	2X2
1080	DT-129/P1155/1184, 5' from BOS	DT-Patch	3X7
1081	P1167/1171/1184	Air Test Patch	2X2
1082	P1167/1184, 7' from BOS	Damage Patch	2X2
1083	DT-130/P1169/1170, 20' from BOS	DT-Patch	3X7
1084	P1167/1184/1205	Air Test Patch	2X2
1085	P1169/1184/1205	Air Test Patch	2X2
1086	P1172/1176/1205	Air Test Patch	2X2
1087	P1172/1205/R1086	Damage Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
1088	P1178/1205/1174, 5' from EOS	Damage Patch	2X2
1089	P1176/1205, 25' from EOS	Damage Patch	2X2
1090	P1176/1205/1206	Air Test Patch	2X2
1091	P1178/1205/1206	Air Test Patch	2X2
1092	P1180/1206, 21' from BOS	Damage Patch	2X2
1093	P1182/1206/1187, 5' from BOS	Weld Restart	2X2
1094	DT-135/P429/1188, 40' from EOS	DT-Patch	3X7
1095	DT-136/P1187/1188, 60' from EOS	DT-Patch	3X7
1096	P1185/1206/1217	Air Test Patch	2X2
1097	P1187/1206/1217	Air Test Patch	2X2
1098	P1187/1188/1191/1192	Air Test Patch	2X2
1099	P397/1188/1192	Pipe Boot	4X4
1100	P374/375/1192	Air Test Patch	2X2
1101	P1187/1217, 45' from BOS	Damage Patch	2X2
1102	P256/257/1192	Air Test Patch	2X2
1103	P1191/1192/1195/1196	Air Test Patch	2X2
1104	P259/1192/1196	Air Test Patch	2X2
1105	P249/1196/232, 4' from BOS	Weld Restart	2X3
1106	DT-137/P1195/1196, 37' from BOS	DT-Patch	3X7
1107	P227/228/1196	Air Test Patch	2X2
1108	P1193/1197/1217/1218	Air Test Patch	2X2
1109	P1195/1197/1217/1218	Air Test Patch	2X2
1110	FC-N/P1195/1199, 5' from BOS	Field Coupon Patch	2X3
1111	P1195/1196/1199/1200	Air Test Patch	2X2
1112	P223/243/1196/1200	Air Test Patch	2X2
1113	P223/224/1200	Air Test Patch	2X2
1114	P219/220/1200	Air Test Patch	2X3
1115	P234/236/1200	Air Test Patch	2X2
1116	P1199/1200/1203/1204	Air Test Patch	2X2
1117	P215/233/1200/1204	Air Test Patch	2X2
1118	P215/216/1204	Air Test Patch	2X2
1119	P216/297/1204	Air Test Patch	2X2
1120	DT-138/P1203/1204, 42' from BOS	DT-Patch	3X7
1121	DT-139/P300/1204, 5' from BOS	DT-Patch	3X7
1122	P1201/1207/1218/1226	Air Test Patch	2X2
1123	P1203/1209/1218/1226	Air Test Patch	3X3
1124	P1203/1204/1209/1210	Air Test Patch	2X3
1125	P269/1204/1210	Air Test Patch	2X2
1126	P269/270/1210	Air Test Patch	2X3
1127	P270/1210, 5' from BOS	Burnout Patch	2X2
1128	P1209/1210, 11' from BOS	Pipe Boot	3X5
1129	DT-140/P304/1210, 5' from BOS	DT-Patch	3X7

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
1130	P1209/1210, 80' from EOS	DT-Patch	3X7
1131	P284/285/1210	Air Test Patch	2X3
1132	P289/1210, 8' from BOS	Damage Patch	2X4
1133	P1207/1211/1226/1227	Air Test Patch	2X2
1134	P1209/1213/1226/1227	Air Test Patch	2X2
1135	FC-O/P1209/1213, 5' from BOS	Field Coupon Patch	2X3
1136	P1209/1210/1213/1214	Air Test Patch	2X2
1137	P351/1210/1214	Air Test Patch	2X2
1138	DT-142/P1213/1214, 128' from EOS	DT-Patch	3X7
1139	P329/330/1214	Air Test Patch	2X2
1140	P334/335/1214	Air Test Patch	2X2
1141	DT-143/P363/1214, 5' from BOS	DT-Patch	3X7
1142	P339/340/1214	Air Test Patch	2X2
1143	P1222/1227/1228	Air Test Patch	2X2
1144	P1220/1227/1228	Air Test Patch	2X2
1145	P1213/1214/1219/1220	Air Test Patch	2X2
1146	P369/1214/1219	Air Test Patch	2X2
1147	P1037/1038/1219	Air Test Patch	2X3
1148	P1219/1220, 14' from BOS	Pipe Boot	3X6
1149	P805/1028/1138	Air Test Patch	2X2
1150	P1027/1028/1137/1138	Air Test Patch	2X2
1151	P1027/1029/1136/1137	Air Test Patch	2X2
1152	P344/347/1029/1136	Air Test Patch	2X2
1153	P802/803	Air Test Patch	2X3
1154	FC-P/P1180/1206, 85' from BOS	Field Coupon Patch	2X3
1155	DT-127/P1149/1150, 30' from BOS	DT-Patch	3X7
1156	P451/452/1170	Air Test Patch	2X2
1157	P423/446/1175	Air Test Patch	2X2
1158	FC-R/P1222/1228, 26' from EOS	Field Coupon Patch	2X3
1159	DT-144/P1045/1219, 5' from BOS	DT-Patch	3X7
1160	DT-145/P1219/1220, 59' from BOS	DT-Patch	3X7
1161	FC-U/P1211/1227, 44' from BOS	Field Coupon Patch	2X3
1162	FC-T/P1209/1226, 73' from BOS	Field Coupon Patch	2X3
1163	FC-V/P1213/1227, 18' from BOS	Field Coupon Patch	2X3
1164	FC-S/P1207/1226, 28' from BOS	Field Coupon Patch	2X3
1165	FC-Q/P1178/1206, 48' from BOS	Field Coupon Patch	2X3
1166	P265/266/1204	Air Test Patch	2X2
1167	P1203/1204	Pipe Boot	7X12
1168	P451, 2' from P451/452	Gas Vent Patch	2X2
1169	P428, 2' from P427/428, 17' from tie	Gas Vent Patch	2X2
1170	P425, 2' from P423/425, 6' from EOS	Gas Vent Patch	2X2
1171	P456, 3' from P455/456, 37' from tie	Gas Vent Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
1172	P497, 2' from tie	Gas Vent Patch	2X2
1173	P784/787/B53/B56	Pipe Boot	6X6
1174	P794, 2' from P795/794, 14' from tie	Gas Vent Patch	2X2
1175	P1047,4' from P1038/1047, 7' from BOS	Gas Vent Patch	2X2
1176	FC-Y/P905/CAP, 5' from BOS	Field Coupon Patch	2X3
1177	FC-X/P317/CAP, 3' from BOS	Field Coupon Patch	2X3
1178	FC-W/P1234/1236, 5' from BOS	Field Coupon Patch	2X3
1179	P1225/1234/1236	Air Test Patch	2X2
1180	P1225/1237/1238	Air Test Patch	2X2
1181	P775/777, 28' from top	Air Test Patch	2X2
1182	P725/726/727/1156	Air Test Patch	6X8
1183	P522, 4' from P522/524, 18' from tie	Gas Vent Patch	2X2
1184	P83/1240	Air Test Patch	2X2
1185	P83/85/1240	Air Test Patch	2X2
1186	P85/1240/1242	Air Test Patch	2X2
1187	P85/87/1242	Air Test Patch	2X2
1188	P87/1242/1243	Air Test Patch	2X2
1189	P87/88/1243	Air Test Patch	2X2
1190	P88/1243	Air Test Patch	2X2
1191	P88/1243, 27' from top	Field Coupon Patch	2X3
1192	P1241/1242/1243	Air Test Patch	2X2
1193	P1240/1241/1242	Air Test Patch	2X2
1194	P83/1240, 7' from BOS	Field Coupon Patch	2X3
1195	P1240/1241	Field Coupon Patch	2X3
1196	P83/1240/930	Air Test Patch	2X2
1197	P83/85/1240/930/936	Air Test Patch	2X2
1198	P85/1240/1241/936	Air Test Patch	2X2
1199	P85/86/1241/936/937	Air Test Patch	2X2
1200	P86/1241/1243/937	Air Test Patch	2X2
1201	P86/88/1243/937/938	Air Test Patch	2X2
1202	P88/1243/938	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
BR-1	P1092/B7/9	Air Test Patch	2X2
BR-2	B7/9/10	Air Test Patch	2X2
BR-3	B7/10/11	Air Test Patch	2X2
BR-4	B7/8/11	Air Test Patch	2X2
BR-5	B1/2/7/8	Air Test Patch	2X2
BR-6	B2/3/8	Air Test Patch	2X2
BR-7	B8/12/13	Air Test Patch	2X2
BR-8	B8/13/14	Air Test Patch	2X2
BR-9	B8/14/15	Air Test Patch	2X3
BR-10	B3/4/8/15	Air Test Patch	2X2
BR-11	B14/15/16	Air Test Patch	2X2
BR-12	B15/16/17	Air Test Patch	2X2
BR-13	B4/15/17	Air Test Patch	2X2
BR-14	B16/17/18	Air Test Patch	2X2
BR-15	B17/18/19/20	Air Test Patch	2X2
BR-16	B4/5/17/19	Air Test Patch	2X2
BR-17	B20/21/22	Air Test Patch	2X2
BR-18	B19/21/22	Air Test Patch	2X2
BR-19	B5/6/19/21	Air Test Patch	2X4
BR-20	B21/22/23	Air Test Patch	2X2
BR-21	B6/21/23	Air Test Patch	2X2
BR-22	B6/23/24/25	Air Test Patch	2X4
BR-23	B22/23/25/26	Air Test Patch	2X4
BR-24	B21/22, 32' from EOS	Field Coupon Patch	2X3
BR-25	B3/8, 16' from BOS	Field Coupon Patch	2X3
BR-26	P1055	Concrete	9X9
BR-27	P524, 41' from TOP	Concrete	6X12
BR-28	P302, 23' from P266	Concrete	5X10
BR-29	P361, 24' from EOS	Concrete	5X12
BR-30	B47/48/50/51	Air Test Patch	2X2
BR-31	B48/49/51/52	Air Test Patch	2X2
BR-32	B44/46/48/49	Air Test Patch	2X2
BR-33	B43/44/47/48	Air Test Patch	2X2
BR-34	B44/45/46	Air Test Patch	2X2
BR-35	B42/44/45	Air Test Patch	2X2
BR-36	B40/41/43/44	Air Test Patch	2X2
BR-37	B38/39/41/42	Air Test Patch	2X2
BR-38	B37/38/40/41	Air Test Patch	2X2
BR-39	B34/35/37/38	Air Test Patch	2X2
BR-40	B35/36/38/39	Air Test Patch	2X2
BR-41	B27/32/34/35	Air Test Patch	2X2
BR-42	B33/35/36	Air Test Patch	2X2

ARDAMAN & ASSOCIATES, INC.

TPO Repair Log

Project: CCSWDC

Ardaman Field Rep: Jim Kunzelman File No.: 09-36-7375

Repair Number	Location	Repair Type (60 mil. TPO)	Repair Size (ft)
BR-43	B32/33/35	Air Test Patch	2X2
BR-44	B27/30/32	Air Test Patch	2X2
BR-45	B30/31/32/33	Pipe Boot	6X6
BR-46	B27/28/30	Air Test Patch	2X2
BR-47	B28/29/30/31	Air Test Patch	2X2
BR-48	B24/25/27/28	Air Test Patch	2X2
BR-49	B25/26/28/29	Air Test Patch	2X2
BR-50	B53/54/56/57	Air Test Patch	2X2
BR-51	B57/58/59	Air Test Patch	2X3
BR-52	B57/59/60	Air Test Patch	2X2
BR-53	B57/60/61	Air Test Patch	2X2
BR-54	B57/61/62/63	Air Test Patch	2X2
BR-55	B62/63/64	Air Test Patch	2X2
BR-56	B38/41/P1230	Air Test Patch	2X2
BR-57	B37/P164/165	Air Test Patch	2X2
BR-58	B43/P587/588/916	Damage Patch	2X2
BR-59	C-A/C-C/C-D	Air Test Patch	2X2
BR-60	C-A/C-D/C-E	Air Test Patch	2X2

Legend:

BOS = beginning of seam

EOS = end of seam

TI = tie-in

DT = destructive test (seams)