

BRANTLEY ENGINEERING, LLC  
**GEOMEMBRANE PANEL DEPLOYMENT LOG**

PROJECT # 2014-101  
 PROJECT DESCRIPTION : JED Cell 10 Construction  
 PROJECT LOCATION : St. Cloud, Florida  
 LAYER: PRIMARY



**Brantley  
Engineering, LLC**

OWNER: Omni Waste of Osceola County, LLC  
 ENGINEER: Geosyntec  
 INSTALLER: Comanco  
 DATE: 4/21/2014  
 PAGE# 1

SECONDARY        X   OTHER

PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
1	2025	72	28	22	616	60	CJ	
2	2025	72	29	22	638	60	CJ	
3	2025	72	29	22	638	60	CJ	
4	2025	72	29	22	638	60	CJ	
5	2025	72	31	22	682	60	CJ	
6	2025	72	32	22	704	60	CJ	
7	2025	72	32	22	704	60	CJ	
8	2025	73	34	22	748	60	CJ	
9	2025	73	22	22	484	60	CJ	
10	2025	73	13	22	286	60	CJ	
11	2025	73	13	12	156	60	CJ	
12	2025	73	30	22	660	60	CJ	

PAGE APPROX. TOTAL (SQ FT): 6954

DAILY TOTAL (SQ FT):                     

ACCUMULATED TOTAL (SQ FT):                     

REVIEWED BY :           SN          

DATE: 6/9/14

BRANTLEY ENGINEERING, LLC  
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PROJECT # 2014-101  
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 SECONDARY     X     OTHER     



**Brantley  
Engineering, LLC**

OWNER: Omni Waste of Osceola County, LLC  
 ENGINEER: Geosyntec  
 INSTALLER: Comanco  
 DATE: 4/21/2014  
 PAGE# 2

PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
13	2025	74	108	22	2376	60	CJ	
14	6072	74	108	22	2376	60	CJ	
15	6072	75	206	22	4532	60	CJ	
16	6072	75	153	22	3366	60	CJ	
17	3036	75	30	22	660	60	CJ	
18	3036	75	68	22	1496	60	CJ	
19	3036	75	32	22	704	60	CJ	
20	3036	75	179	22	3938	60	CJ	
21	2025	75	20	16	320	60	CJ	
22	3036	76	170	22	3740	60	CJ	
23	4053	76	157	22	3454	60	CJ	
24	4053	76	153	22	3366	60	CJ	

PAGE APPROX. TOTAL (SQ FT): 30328

DAILY TOTAL (SQ FT):                     

ACCUMULATED TOTAL (SQ FT):                     

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              SECONDARY        X    OTHER



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 DATE:    4/21/2014  
 PAGE#    3

PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
25	4053	76	138	22	3036	60	CJ	
26	4053	76	6	22	132	60	CJ	
27	2021	76	127	22	2794	60	CJ	

PAGE APPROX. TOTAL (SQ FT):            5962  
 DAILY TOTAL (SQ FT):                      43244  
 ACCUMULATED TOTAL (SQ FT):           43244

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DATE:   6/9/14

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**Brantley  
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 ENGINEER: Geosyntec  
 INSTALLER: Comanco  
 DATE:    4/22/2014  
 PAGE#    4

PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
28	4042	76	466	22	10252	60	CJ	
29	7089	76	124	22	2728	60	CJ	
30	7089	76	116	22	2552	60	CJ	
31	7089	77	107	22	2354	60	CJ	
32	7089	77	98	22	2156	60	CJ	
33	6082	77	90	22	1980	60	CJ	
34	6082	77	81	22	1782	60	CJ	
35	6082	77	72	22	1584	60	CJ	
36	6082	77	63	22	1386	60	CJ	
37	6082	77	54	22	1188	60	CJ	
38	6082	78	47	22	1034	60	CJ	
39	6082	78	40	22	880	60	CJ	

PAGE APPROX. TOTAL (SQ FT):        29876

DAILY TOTAL (SQ FT):                                        

ACCUMULATED TOTAL (SQ FT):                             

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 DATE:    4/22/2014  
 PAGE#    5

PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
40	2020	78	41	22	902	60	CJ	
41	2020	78	16	17	272	60	CJ	
42	2020	78	22	22	484	60	CJ	
43	2020	78	400	22	8800	60	CJ	
44	2021	78	116	22	2552	60	CJ	
45	2021	78	241	22	5302	60	CJ	
46	3037	78	271	22	5962	60	CJ	
47	3037	78	203	22	4466	60	CJ	
48	5065	78	310	22	6820	60	CJ	
49	5065	78	174	22	3828	60	CJ	
50	7095	78	340	22	7480	60	CJ	

PAGE APPROX. TOTAL (SQ FT):            46868

DAILY TOTAL (SQ FT):                      76744

ACCUMULATED TOTAL (SQ FT):            119988

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 INSTALLER: Comanco  
 DATE:    4/23/2014  
 PAGE#    6

PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
51	7095	76	140	22	3080	60	CJ	
52	4054	76	379	22	8338	60	CJ	
53	4054	77	109	22	2398	60	CJ	
54	7090	77	410	22	9020	60	CJ	
55	7090	78	69	22	1518	60	CJ	
56	6069	78	451	22	9922	60	CJ	
57	6069	78	67	22	1474	60	CJ	
58	7073	78	459	22	10098	60	CJ	
59	7073	79	54	22	1188	60	CJ	
60	7091	79	454	22	9988	60	CJ	
61	7083	79	484	22	10648	60	CJ	
62	7076	79	43	22	946	60	CJ	

PAGE APPROX. TOTAL (SQ FT):            68618

DAILY TOTAL (SQ FT):                                          

ACCUMULATED TOTAL (SQ FT):                                

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 DATE: 4/23/2014  
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PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
63	7076	79	482	22	10604	60	CJ	
64	2022	79	47	22	1034	60	CJ	

PAGE APPROX. TOTAL (SQ FT): 11638  
 DAILY TOTAL (SQ FT): 72986  
 ACCUMULATED TOTAL (SQ FT): 192974

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**Brantley  
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OWNER: Omni Waste of Osceola County, LLC  
ENGINEER: Geosyntec  
INSTALLER: Comanco  
DATE:    4/25/2014  
PAGE#    8

PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
65	2022	79	440	22	9680	60	CJ	
66	1002	79	78	22	1716	60	CJ	
67	1002	79	407	22	8954	60	CJ	
68	7080	80	113	22	2486	60	CJ	
69	7080	81	396	22	8712	60	CJ	
70	5062	81	125	22	2750	60	CJ	
71	5062	81	355	22	7810	60	CJ	
72	6067	81	167	22	3674	60	CJ	
73	6067	82	346	22	7612	60	CJ	
74	6079	82	175	22	3850	60	CJ	
75	6079	83	306	22	6732	60	CJ	
76	7082	83	203	22	4466	60	CJ	

PAGE APPROX. TOTAL (SQ FT):        68442

DAILY TOTAL (SQ FT):                                        

ACCUMULATED TOTAL (SQ FT):                             

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 INSTALLER: Comanco  
 DATE:    4/25/2014  
 PAGE#    9

PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
77	7082	82	300	22	6600	60	CJ	
78	6070	82	220	22	4840	60	CJ	
79	6070	82	246	22	5412	60	CJ	
80	6065	82	275	22	6050	60	CJ	
81	6065	81	235	22	5170	60	CJ	
82	7083	81	283	22	6226	60	CJ	
83	7083	81	182	22	4004	60	CJ	
84	6064	80	336	22	7392	60	CJ	
85	6064	80	170	22	3740	60	CJ	
86	7077	80	351	22	7722	60	CJ	
87	7077	80	153	22	3366	60	CJ	
88	970	80	365	22	8030	60	CJ	

PAGE APPROX. TOTAL (SQ FT):            68552

DAILY TOTAL (SQ FT):                      136994

ACCUMULATED TOTAL (SQ FT):            329968

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 SECONDARY     X     OTHER           



**Brantley  
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OWNER: Omni Waste of Osceola County, LLC  
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 DATE: 5/7/2014  
 PAGE# 10

PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
89	2024	83	177	22	3894	60	CJ	
90	2028	83	335	22	7370	60	CJ	
91	2028	84	146	22	3212	60	CJ	
92	3030	84	366	22	8052	60	CJ	
93	3030	85	107	22	2354	60	CJ	
94	6076	85	407	22	8954	60	CJ	
95	6076	86	75	22	1650	60	CJ	
96	3041	87	443	22	9746	60	CJ	
97	3041	88	40	22	880	60	CJ	
98	6070	88	476	22	10472	60	CJ	
99	6070	88	28	22	616	60	CJ	
100	6068	88	490	22	10780	60	CJ	

PAGE APPROX. TOTAL (SQ FT): 67980

DAILY TOTAL (SQ FT):           

ACCUMULATED TOTAL (SQ FT):           

REVIEWED BY :           SN          

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BRANTLEY ENGINEERING, LLC  
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 PROJECT DESCRIPTION : JED Cell 10 Construction  
 PROJECT LOCATION : St. Cloud, Florida  
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              SECONDARY        X    OTHER



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OWNER: Omni Waste of Osceola County, LLC  
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 INSTALLER: Comanco  
 DATE:    5/7/2014  
 PAGE#    11

PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
101	7075	88	481	22	10582	60	CJ	
102	7072	88	35	22	770	60	CJ	
103	7075	88	30	22	660	60	CJ	
104	7072	88	444	22	9768	60	CJ	
105	6066	88	44	22	968	60	CJ	
106	6066	88	482	22	10604	60	CJ	
107	4051	88	57	22	1254	60	CJ	

PAGE APPROX. TOTAL (SQ FT):                    34606

DAILY TOTAL (SQ FT):                                102586

ACCUMULATED TOTAL (SQ FT):                    432554

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 SECONDARY     X     OTHER     



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OWNER: Omni Waste of Osceola County, LLC  
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 INSTALLER: Comanco  
 DATE: 5/8/2014  
 PAGE# 12

PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
108	4051	76	488	22	10736	60	CJ	
109	4055	76	30	22	660	60	CJ	
110	4055	76	450	22	9900	60	CJ	
111	2017	76	65	22	1430	60	CJ	

PAGE APPROX. TOTAL (SQ FT): 22726  
 DAILY TOTAL (SQ FT): 22726  
 ACCUMULATED TOTAL (SQ FT): 455280

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 DATE: 6/9/14

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 DATE:    5/9/2014  
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PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
112	2017	76	246	22	5412	60	CJ	
113	2017	76	174	22	3828	60	CJ	
114	5060	77	72	22	1584	60	CJ	
115	5060	78	98	22	2156	60	CJ	
116	5060	78	98	22	2156	60	CJ	
117	5060	78	95	22	2090	60	CJ	
118	5060	78	95	22	2090	60	CJ	
119	4043	78	90	22	1980	60	CJ	
120	4043	78	90	22	1980	60	CJ	
121	4043	78	85	22	1870	60	CJ	
122	4043	78	85	22	1870	60	CJ	
123	4043	78	83	22	1826	60	CJ	

PAGE APPROX. TOTAL (SQ FT):        28842

DAILY TOTAL (SQ FT):                                        

ACCUMULATED TOTAL (SQ FT):                             

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PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
124	5057	79	80	22	1760	60	CJ	
125	5057	79	98	3	294	60	CJ	

PAGE APPROX. TOTAL (SQ FT):            2054  
 DAILY TOTAL (SQ FT):                        30896  
 ACCUMULATED TOTAL (SQ FT):            486176

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PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
126	5057	78	100	22	2200	60	CJ	
127	5057	78	99	22	2178	60	CJ	
128	5057	78	97	22	2134	60	CJ	
129	5057	78	96	22	2112	60	CJ	
130	3029	78	95	22	2090	60	CJ	
131	3029	78	93	22	2046	60	CJ	
132	3029	78	93	22	2046	60	CJ	
133	3029	78	91	22	2002	60	CJ	
134	3029	78	89	22	1958	60	CJ	
135	2023	80	88	22	1936	60	CJ	
136	2023	80	88	22	1936	60	CJ	
137	2023	80	45	22	990	60	CJ	

PAGE APPROX. TOTAL (SQ FT):            23628

DAILY TOTAL (SQ FT):                                          

ACCUMULATED TOTAL (SQ FT):                                

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PANEL #	ROLL #	AMB TEMP	LENGTH APPROX.	WIDTH APPROX.	AREA APPROX.	AVG. THICKNESS (mil)	QA MON.	COMMENTS/PANEL LOCATION  SPECIAL SHAPE
138	2023	80	30	15	450	60	CJ	
139	2023	80	280	22	6160	60	CJ	
140	2023	80	40	22	880	60	CJ	
141	2023	80	23	22	506	60	CJ	

PAGE APPROX. TOTAL (SQ FT): 7996

DAILY TOTAL (SQ FT): 31624

ACCUMULATED TOTAL (SQ FT): 517800

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