Lampiran 01 SK Dosen Pembimbing

Lampiran 02 Kartu Asistensi

Lampiran 03 Data Penyelidikan Tanah

Lampiran 04 Data Penyelidikan Laboratorium

Lampiran 05 Data CPTU

Lampiran 06 Data Instrumen Geoteknik

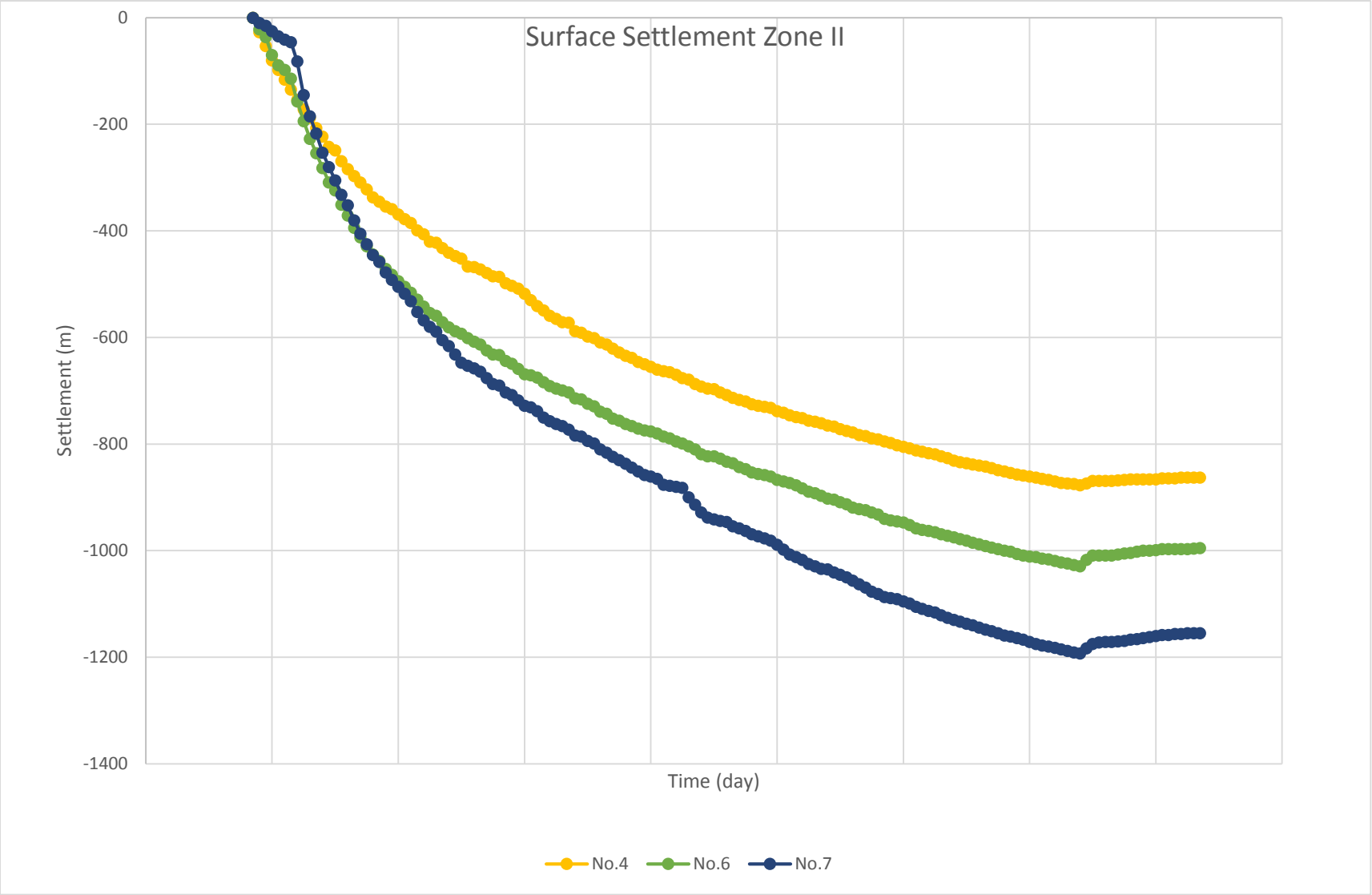
Surface Settlement										
No.	Date	No.4			No.6			No.7		
		Daily sink (mm)	Total sink (mm)	Backfill on top (m)	Daily sink (mm)	Total sink (mm)	Backfill on top (m)	Daily sink (mm)	Total sink (mm)	Backfill on top (m)
1	11/29/2015	0	0	0	0	0	0	0	0	0
2	11/30/2015	-27	-27	0	-22	-22	0	-10	-10	0
3	12/1/2015	-26	-53	0	-14	-36	0	-5	-15	0
4	12/2/2015	-27	-80	0	-34	-70	0	-10	-25	0
5	12/3/2015	-18	-98	0	-19	-89	0	-10	-35	0
6	12/4/2015	-18	-116	0	-9	-98	0	-6	-41	0
7	12/5/2015	-19	-135	0	-16	-114	0	-5	-46	0
8	12/6/2015	-19	-154	0	-43	-157	0	-36	-82	0
9	12/7/2015	-18	-172	0	-37	-194	0	-63	-145	0
10	12/8/2015	-16	-188	0	-33	-227	0	-40	-185	0
11	12/9/2015	-19	-207	0	-27	-254	0	-32	-217	0
12	12/10/2015	-16	-223	0	-28	-282	0	-36	-253	0
13	12/11/2015	-19	-242	0	-27	-309	0	-27	-280	0
14	12/12/2015	-7	-249	0	-15	-324	0	-25	-305	0
15	12/13/2015	-20	-269	0	-27	-351	0	-27	-332	0
16	12/14/2015	-15	-284	0	-20	-371	0	-20	-352	0
17	12/15/2015	-13	-297	0	-23	-394	0	-28	-380	0
18	12/16/2015	-12	-309	0	-18	-412	0	-25	-405	0
19	12/17/2015	-13	-322	0	-17	-429	0	-20	-425	0
20	12/18/2015	-15	-337	0	-15	-444	0	-20	-445	0
21	12/19/2015	-8	-345	0	-12	-456	0	-13	-458	0
22	12/20/2015	-9	-354	0	-15	-471	0	-20	-478	0
23	12/21/2015	-5	-359	0	-11	-482	0	-14	-492	0
24	12/22/2015	-10	-369	0	-12	-494	0	-13	-505	0
25	12/23/2015	-9	-378	0	-11	-505	0	-13	-518	0
26	12/24/2015	-7	-385	0	-11	-516	0	-14	-532	0
27	12/25/2015	-14	-399	0	-13	-529	0	-20	-552	0
28	12/26/2015	-7	-406	0	-13	-542	0	-16	-568	0
29	12/27/2015	-14	-420	0	-12	-554	0	-12	-580	0
30	12/28/2015	-2	-422	0	-5	-559	0	-9	-589	0
31	12/29/2015	-10	-432	0	-12	-571	0	-16	-605	0
32	12/30/2015	-9	-441	0	-10	-581	0	-11	-616	0
33	12/31/2015	-6	-447	0	-7	-588	0	-16	-632	0

34	1/1/2016	-5	-452	0	-5	-593	0	-15	-647	0
35	1/2/2016	-15	-467	0	-8	-601	0	-6	-653	0
36	1/3/2016	-1	-468	0	-7	-608	0	-5	-658	0
37	1/4/2016	-4	-472	0	-5	-613	0	-6	-664	0
38	1/5/2016	-7	-479	0	-11	-624	0	-12	-676	0
39	1/6/2016	-6	-485	0	-8	-632	0	-11	-687	0
40	1/7/2016	-1	-486	0	-1	-633	0	-3	-690	0
41	1/8/2016	-12	-498	0	-11	-644	0	-13	-703	0
42	1/9/2016	-5	-503	0	-5	-649	0	-5	-708	0
43	1/10/2016	-5	-508	0.5	-10	-659	0	-10	-718	0
44	1/11/2016	-10	-518	0.5	-10	-669	0.5	-10	-728	0.5
45	1/12/2016	-12	-530	0.5	-2	-671	0.5	-3	-731	0.5
46	1/13/2016	-11	-541	0.5	-4	-675	0.5	-7	-738	0.5
47	1/14/2016	-8	-549	0.5	-9	-684	0.5	-12	-750	0.5
48	1/15/2016	-10	-559	0.5	-7	-691	0.5	-7	-757	0.5
49	1/16/2016	-6	-565	0.5	-5	-696	0.5	-5	-762	0.5
50	1/17/2016	-6	-571	0.5	-3	-699	0.5	-4	-766	0.5
51	1/18/2016	-1	-572	0.5	-4	-703	0.5	-7	-773	0.5
52	1/19/2016	-16	-588	0.5	-11	-714	0.5	-11	-784	0.5
53	1/20/2016	-3	-591	0.5	-2	-716	0.5	-2	-786	0.5
54	1/21/2016	-7	-598	0.5	-8	-724	0.5	-8	-794	0.5
55	1/22/2016	-3	-601	0.5	-5	-729	0.5	-5	-799	0.5
56	1/23/2016	-8	-609	0.5	-10	-739	0.5	-11	-810	0.5
57	1/24/2016	-4	-613	0.5	-4	-743	0.5	-6	-816	0.5
58	1/25/2016	-8	-621	0.5	-9	-752	0.5	-8	-824	0.5
59	1/26/2016	-7	-628	0.5	-4	-756	0.5	-6	-830	0.5
60	1/27/2016	-6	-634	0.5	-6	-762	0.5	-7	-837	0.5
61	1/28/2016	-4	-638	0.5	-4	-766	0.5	-7	-844	0.5
62	1/29/2016	-8	-646	0.5	-5	-771	0.5	-7	-851	0.5
63	1/30/2016	-4	-650	0.5	-3	-774	0.5	-7	-858	0.5
64	1/31/2016	-5	-655	0.5	-2	-776	0.5	-3	-861	0.5
65	2/1/2016	-5	-660	0.5	-4	-780	0.5	-4	-865	0.5
66	2/2/2016	-3	-663	0.5	-6	-786	0.5	-11	-876	0.5
67	2/3/2016	-2	-665	0.5	-3	-789	0.5	-2	-878	0.5
68	2/4/2016	-5	-670	0.5	-6	-795	0.5	-2	-880	0.5
69	2/5/2016	-6	-676	0.5	-4	-799	0.5	-2	-882	0.5
70	2/6/2016	-3	-679	0.5	-5	-804	0.5	-18	-900	0.5
71	2/7/2016	-8	-687	0.5	-6	-810	0.5	-14	-914	0.5

72	2/8/2016	-5	-692	0.5	-9	-819	0.5	-14	-928	0.5
73	2/9/2016	-4	-696	0.5	-4	-823	0.5	-10	-938	0.5
74	2/10/2016	-1	-697	0.5	0	-823	0.5	-3	-941	0.5
75	2/11/2016	-6	-703	0.5	-4	-827	0.5	-3	-944	0.5
76	2/12/2016	-5	-708	0.5	-6	-833	0.5	-2	-946	0.5
77	2/13/2016	-5	-713	0.5	-3	-836	0.5	-8	-954	0.5
78	2/14/2016	-4	-717	0.5	-7	-843	0.5	-4	-958	0.5
79	2/15/2016	-3	-720	0.5	-4	-847	0.5	-5	-963	0.5
80	2/16/2016	-5	-725	0.5	-6	-853	0.5	-6	-969	0.5
81	2/17/2016	-3	-728	0.5	-3	-856	0.5	-4	-973	0.5
82	2/18/2016	-2	-730	0.5	-2	-858	0.5	-4	-977	0.5
83	2/19/2016	-2	-732	0.5	-3	-861	0.5	-4	-981	0.5
84	2/20/2016	-6	-738	0.5	-6	-867	0.5	-8	-989	0.5
85	2/21/2016	-3	-741	0.5	-3	-870	0.5	-9	-998	0.5
86	2/22/2016	-5	-746	0.5	-3	-873	0.5	-9	-1007	0.5
87	2/23/2016	-3	-749	0.5	-4	-877	0.5	-5	-1012	0.5
88	2/24/2016	-2	-751	0.5	-6	-883	0.5	-5	-1017	0.5
89	2/25/2016	-5	-756	0.5	-6	-889	0.5	-8	-1025	0.5
90	2/26/2016	-2	-758	0.5	-3	-892	0.5	-4	-1029	0.5
91	2/27/2016	-3	-761	0.5	-5	-897	0.5	-5	-1034	0.5
92	2/28/2016	-4	-765	0.5	-5	-902	0.5	-1	-1035	0.5
93	2/29/2016	-2	-767	0.5	-2	-904	0.5	-6	-1041	0.5
94	3/1/2016	-5	-772	0.5	-5	-909	0.5	-4	-1045	0.5
95	3/2/2016	-3	-775	0.5	-4	-913	0.5	-5	-1050	0.5
96	3/3/2016	-3	-778	0.5	-6	-919	0.5	-6	-1056	0.5
97	3/4/2016	-5	-783	0.5	-3	-922	0.5	-7	-1063	0.5
98	3/5/2016	-2	-785	0.5	-2	-924	0.5	-6	-1069	0.5
99	3/6/2016	-4	-789	0.5	-4	-928	0.5	-8	-1077	0.5
100	3/7/2016	-2	-791	0.5	-4	-932	0.5	-4	-1081	0.5
101	3/8/2016	-4	-795	0.5	-8	-940	0.5	-6	-1087	0.5
102	3/9/2016	-3	-798	0.5	-3	-943	0.5	-2	-1089	0.5
103	3/10/2016	-4	-802	0.5	-2	-945	0.5	-2	-1091	0.5
104	3/11/2016	-3	-805	0.5	-2	-947	0.5	-4	-1095	0.5
105	3/12/2016	-3	-808	0.5	-5	-952	0.5	-4	-1099	0.5
106	3/13/2016	-4	-812	0.5	-6	-958	0.5	-6	-1105	0.5
107	3/14/2016	-2	-814	0.5	-3	-961	0.5	-4	-1109	0.5
108	3/15/2016	-3	-817	0.5	-2	-963	0.5	-4	-1113	0.5
109	3/16/2016	-2	-819	0.5	-2	-965	0.5	-3	-1116	0.5

110	3/17/2016	-4	-823	0.5	-4	-969	0.5	-5	-1121	0.5
111	3/18/2016	-3	-826	0.5	-3	-972	0.5	-5	-1126	0.5
112	3/19/2016	-5	-831	0.5	-3	-975	0.5	-4	-1130	0.5
113	3/20/2016	-3	-834	0.5	-3	-978	0.5	-3	-1133	0.5
114	3/21/2016	-2	-836	0.5	-3	-981	0.5	-4	-1137	0.5
115	3/22/2016	-2	-838	0.5	-4	-985	0.5	-3	-1140	0.5
116	3/23/2016	-2	-840	0.5	-3	-988	0.5	-4	-1144	0.5
117	3/24/2016	-2	-842	0.5	-3	-991	0.5	-4	-1148	0.5
118	3/25/2016	-3	-845	0.5	-3	-994	0.5	-3	-1151	0.5
119	3/26/2016	-4	-849	0.5	-3	-997	0.5	-4	-1155	0.5
120	3/27/2016	-2	-851	0.5	-3	-1000	0.5	-4	-1159	0.5
121	**3/28/2016**	**-3**	-854	0.5	**-2**	-1002	0.5	**-2**	-1161	0.5
122	3/29/2016	-3	-857	0.5	-4	-1006	0.5	-3	-1164	0.5
123	3/30/2016	-2	-859	0.5	-3	-1009	0.5	-3	-1167	0.5
124	3/31/2016	-2	-861	0.5	-2	-1011	0.5	-4	-1171	0.5
125	4/1/2016	-2	-863	0.5	-1	-1012	0.5	-4	-1175	0.5
126	4/2/2016	-2	-865	0.5	-3	-1015	0.5	-3	-1178	0.5
127	4/3/2016	-2	-867	0.5	-1	-1016	0.5	-2	-1180	0.5
128	4/4/2016	-3	-870	0.5	-3	-1019	0.5	-2	-1182	0.5
129	4/5/2016	-3	-873	0.5	-3	-1022	0.5	-3	-1185	0.5
130	4/6/2016	-1	-874	0.5	-2	-1024	0.5	-3	-1188	0.5
131	4/7/2016	-1	-875	0.5	-3	-1027	0.5	-3	-1191	0.5
132	4/8/2016	-2	-877	0.5	-2	-1029	0.5	-2	-1193	0.5
133	4/9/2016	3	-874	0.5	12	-1017	0.5	10	-1183	0.5
134	4/10/2016	5	-869	0.5	8	-1009	0.5	8	-1175	0.5
135	4/11/2016	0	-869	0.5	0	-1009	0.5	3	-1172	0.5
136	4/12/2016	0	-869	0.5	0	-1009	0.5	1	-1171	0.5
137	4/13/2016	0	-869	0.5	0	-1009	0.5	0	-1171	0.5
138	4/14/2016	1	-868	0.5	2	-1007	0.5	1	-1170	0.5
139	4/15/2016	1	-867	0.5	2	-1005	0.5	1	-1169	0.5
140	4/16/2016	1	-866	0.5	1	-1004	0.5	2	-1167	0.5
141	4/17/2016	0	-866	0.5	2	-1002	0.5	1	-1166	0.5
142	4/18/2016	0	-866	0.5	2	-1000	0.5	2	-1164	0.5
143	4/19/2016	0	-866	0.5	0	-1000	0.5	2	-1162	0.5
144	4/20/2016	0	-866	0.5	1	-999	0.5	2	-1160	0.5
145	4/21/2016	2	-864	0.5	2	-997	0.5	2	-1158	0.5
146	4/22/2016	0	-864	0.5	0	-997	0.5	0	-1158	0.5
147	4/23/2016	0	-864	0.5	0	-997	0.5	2	-1156	0.5

148	4/24/2016	1	-863	0.5	0	-997	0.5	0	-1156	0.5
149	4/25/2016	0	-863	0.5	0	-997	0.5	1	-1155	0.5
150	4/26/2016	0	-863	0.5	1	-996	0.5	0	-1155	0.5
151	4/27/2016	0	-863	0.5	1	-995	0.5	0	-1155	0.5


Surface Settlement Zone II
0
-200
-400
-600
-800
-1000
-1200
-1400
Settlement (m)
Time (day)
No.4
No.6
No.7

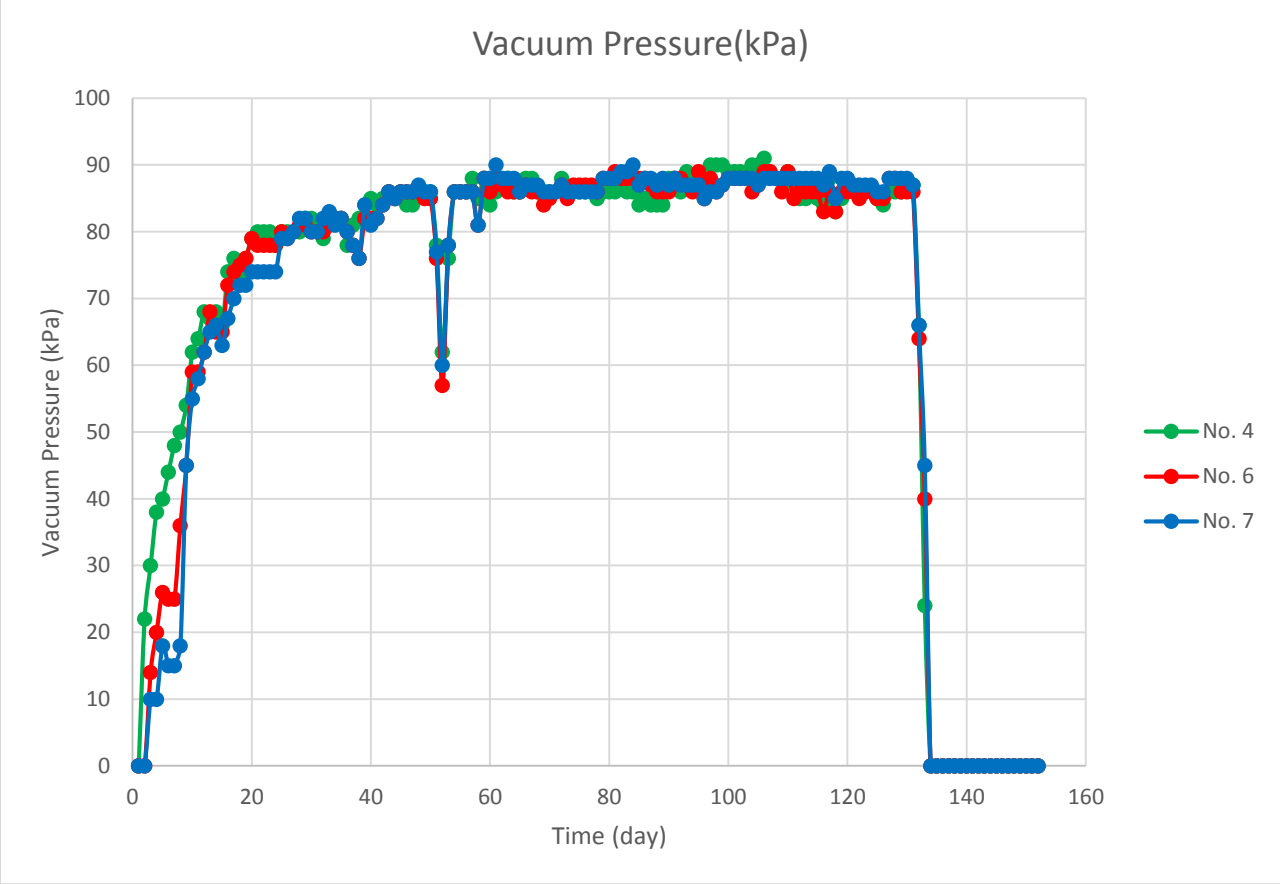
Vacuum Gauge					
No.	Date				Remark
		No.4	No.6	No.7	
1	11/28/2015	0	0	0	
2	11/29/2015	22	0	0	
3	11/30/2015	30	14	10	
4	12/1/2015	38	20	10	
5	12/2/2015	40	26	18	
6	12/3/2015	44	25	15	
7	12/4/2015	48	25	15	
8	12/5/2015	50	36	18	
9	12/6/2015	54	45	45	
10	12/7/2015	62	59	55	
11	12/8/2015	64	59	58	
12	12/9/2015	68	62	62	
13	12/10/2015	67	68	65	
14	12/11/2015	68	65	66	
15	12/12/2015	66	65	63	500kW generator broken from 3am last night to 8am
16	12/13/2015	74	72	67	
17	12/14/2015	76	74	70	
18	12/15/2015	73	75	72	500kW generator broken from 8am to 11am
19	12/16/2015	76	76	72	
20	12/17/2015	79	79	74	
21	12/18/2015	80	78	74	
22	12/19/2015	80	78	74	
23	12/20/2015	80	78	74	
24	12/21/2015	78	78	74	
25	12/22/2015	80	80	79	
26	12/23/2015	80	79	79	
27	12/24/2015	80	80	80	
28	12/25/2015	80	81	82	
29	12/26/2015	82	81	82	
30	12/27/2015	82	80	80	
31	12/28/2015	81	80	80	
32	12/29/2015	79	80	82	

33	12/30/2015	81	81	83	
34	12/31/2015	82	82	81	
35	1/1/2016	82	82	82	
36	1/2/2016	78	80	80	
37	1/3/2016	81	78	78	Because there is no solar the generator stopped
38	1/4/2016	82	76	76	
39	1/5/2016	84	82	84	
40	1/6/2016	85	82	81	
41	1/7/2016	84	82	82	
42	1/8/2016	85	84	84	
43	1/9/2016	86	86	86	
44	1/10/2016	85	85	85	
45	1/11/2016	86	86	86	
46	1/12/2016	84	86	86	
47	1/13/2016	84	86	86	
48	1/14/2016	86	86	87	
49	1/15/2016	86	85	86	
50	1/16/2016	86	85	86	
51	1/17/2016	78	76	77	
52	1/18/2016	62	57	60	
53	1/19/2016	76	78	78	
54	1/20/2016	86	86	86	
55	1/21/2016	86	86	86	
56	1/22/2016	86	86	86	
57	1/23/2016	88	86	86	
58	1/24/2016	85	81	81	
59	1/25/2016	88	88	88	
60	1/26/2016	84	86	88	
61	1/27/2016	86	88	90	
62	1/28/2016	87	87	88	
63	1/29/2016	88	86	88	
64	1/30/2016	86	86	88	
65	1/31/2016	86	86	86	
66	2/1/2016	88	87	87	
67	2/2/2016	88	86	87	
68	2/3/2016	86	86	87	
69	2/4/2016	86	84	86	

70	2/5/2016	86	85	86	
71	2/6/2016	86	86	86	
72	2/7/2016	88	87	87	
73	2/8/2016	86	85	86	
74	2/9/2016	86	87	86	
75	2/10/2016	86	87	86	
76	2/11/2016	86	87	86	
77	2/12/2016	86	87	86	
78	2/13/2016	85	86	86	
79	2/14/2016	86	88	88	
80	2/15/2016	86	88	88	
81	2/16/2016	86	89	88	
82	2/17/2016	87	88	89	
83	2/18/2016	86	88	89	
84	2/19/2016	86	88	90	
85	2/20/2016	84	88	87	
86	2/21/2016	85	88	88	
87	2/22/2016	84	87	88	
88	2/23/2016	84	86	87	
89	2/24/2016	84	86	88	
90	2/25/2016	88	86	87	
91	2/26/2016	88	88	88	
92	2/27/2016	86	88	87	
93	2/28/2016	89	87	87	
94	2/29/2016	87	86	87	
95	3/1/2016	88	89	87	
96	3/2/2016	85	85	85	Repair The Generators
97	3/3/2016	90	88	86	
98	3/4/2016	90	86	86	
99	3/5/2016	90	87	87	
100	3/6/2016	89	88	88	
101	3/7/2016	89	88	88	
102	3/8/2016	89	88	88	
103	3/9/2016	88	88	88	
104	3/10/2016	90	86	88	
105	3/11/2016	90	87	87	
106	3/12/2016	91	89	88	
107	3/13/2016	89	89	88	

108	3/14/2016	88	88	88	
109	3/15/2016	88	86	88	
110	3/16/2016	89	89	88	
111	3/17/2016	87	85	88	
112	3/18/2016	85	86	88	
113	3/19/2016	85	86	88	
114	3/20/2016	86	86	88	
115	3/21/2016	85	86	88	
116	3/22/2016	84	83	87	Repair The Generator
117	3/23/2016	88	86	89	
118	3/24/2016	83	83	85	Repair The Generator
119	3/25/2016	85	86	88	
120	3/26/2016	87	86	88	
121	3/27/2016	87	86	87	
122	**3/28/2016**	86	85	87	
123	3/29/2016	86	86	87	
124	3/30/2016	86	86	87	
125	3/31/2016	85	85	86	
126	4/1/2016	84	85	86	
127	4/2/2016	86	88	88	
128	4/3/2016	86	88	88	
129	4/4/2016	86	86	88	
130	4/5/2016	87	86	88	
131	4/6/2016	87	86	87	
132	4/7/2016	66	64	66	The Pumps were already swicth off
133	4/8/2016	24	40	45	
134	4/9/2016	0	0	0	
135	4/10/2016	0	0	0	
136	4/11/2016	0	0	0	
137	4/12/2016	0	0	0	
138	4/13/2016	0	0	0	
139	4/14/2016	0	0	0	
140	4/15/2016	0	0	0	
141	4/16/2016	0	0	0	
142	4/17/2016	0	0	0	
143	4/18/2016	0	0	0	
144	4/19/2016	0	0	0	

145	4/20/2016	0	0	0	
146	4/21/2016	0	0	0	
147	4/22/2016	0	0	0	
148	4/23/2016	0	0	0	
149	4/24/2016	0	0	0	
150	4/25/2016	0	0	0	
151	4/26/2016	0	0	0	
152	4/27/2016	0	0	0	



Layered Settlement in Zone 2 (STA 0+750 to STA 1+150)				
NO.	Date	No.2 Point (STA 0+1125)		
		No. 2@5m	No. 2@10m	No. 2@15m

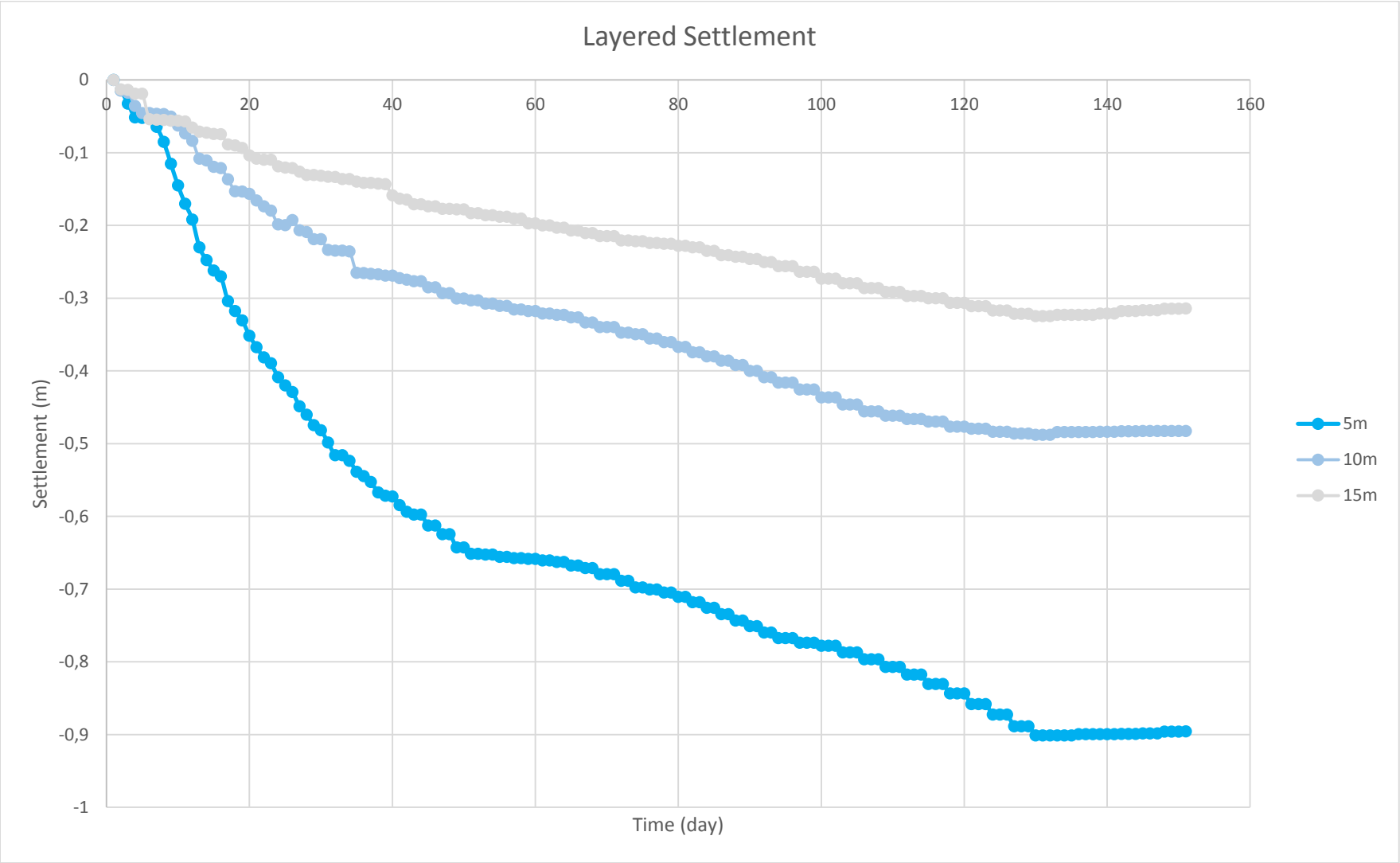
		Daily sink (mm)	Total sink (mm)	Daily sink (mm)	Total sink (mm)	Daily sink (mm)	Total sink (mm)
1	11/29/2015	0.0	0.0	0.0	0.0	0.0	0.0
2	11/30/2015	-14.0	-14.0	-14.5	-14.5	-13.0	-13.0
3	12/1/2015	-18.5	-32.5	-3.0	-17.5	-0.5	-13.5
4	12/2/2015	-19.0	-51.5	-18.0	-35.5	-5.5	-19.0
5	12/3/2015	-0.5	-52.0	-10.0	-45.5	0.0	-19.0
6	12/4/2015	0.0	-52.0	0.0	-45.5	-35.0	-54.0
7	12/5/2015	-12.5	-64.5	-1.0	-46.5	-0.5	-54.5
8	12/6/2015	-20.5	-85.0	-0.5	-47.0	-0.5	-55.0
9	12/7/2015	-30.0	-115.0	-3.5	-50.5	-1.0	-56.0
10	12/8/2015	-30.0	-145.0	-12.0	-62.5	0.0	-56.0
11	12/9/2015	-25.0	-170.0	-11.0	-73.5	-1.0	-57.0
12	12/10/2015	-22.0	-192.0	-10.0	-83.5	-8.5	-65.5
13	12/11/2015	-38.0	-230.0	-24.5	-108.0	-5.5	-71.0
14	12/12/2015	-17.5	-247.5	-2.5	-110.5	-1.5	-72.5
15	12/13/2015	-14.5	-262.0	-9.0	-119.5	-1.5	-74.0
16	12/14/2015	-8.0	-270.0	-1.5	-121.0	-0.5	-74.5
17	12/15/2015	-34.0	-304.0	-15.5	-136.5	-14.0	-88.5
18	12/16/2015	-13.5	-317.5	-16.5	-153.0	-1.5	-90.0
19	12/17/2015	-13.0	-330.5	-0.5	-153.5	-3.5	-93.5
20	12/18/2015	-21.0	-351.5	-3.0	-156.5	-10.0	-103.5
21	12/19/2015	-16.0	-367.5	-9.0	-165.5	-4.5	-108.0
22	12/20/2015	-14.0	-381.5	-8.0	-173.5	-1.5	-109.5
23	12/21/2015	-8.0	-389.5	-6.0	-179.5	0.0	-109.5
24	12/22/2015	-19.0	-408.5	-19.0	-198.5	-9.0	-118.5
25	12/23/2015	-11.5	-420.0	-1.0	-199.5	-2.0	-120.5
26	12/24/2015	-9.0	-429.0	7.0	-192.5	-0.5	-121.0
27	12/25/2015	-19.5	-448.5	-14.0	-206.5	-5.0	-126.0
28	12/26/2015	-11.5	-460.0	-2.5	-209.0	-4.5	-130.5
29	12/27/2015	-14.5	-474.5	-10.0	-219.0	0.0	-130.5
30	12/28/2015	-7.0	-481.5	0.0	-219.0	-1.0	-131.5
31	12/29/2015	-17.0	-498.5	-14.5	-233.5	-1.5	-133.0
32	12/30/2015	-17.5	-516.0	-1.0	-234.5	-0.5	-133.5
33	12/31/2015	0.0	-516.0	0.0	-234.5	-2.5	-136.0
34	1/1/2016	-7.5	-523.5	-1.0	-235.5	0.0	-136.0
35	1/2/2016	-15.0	-538.5	-29.5	-265.0	-3.5	-139.5

36	1/3/2016	-6.0	-544.5	-0.5	-265.5	-2.0	-141.5
37	1/4/2016	-8.0	-552.5	-1.0	-266.5	0.0	-141.5
38	1/5/2016	-14.5	-567.0	-0.5	-267.0	-1.0	-142.5
39	1/6/2016	-4.5	-571.5	-2.0	-269.0	-0.5	-143.0
40	1/7/2016	-1.0	-572.5	0.0	-269.0	-15.5	-158.5
41	1/8/2016	-12.0	-584.5	-3.5	-272.5	-4.5	-163.0
42	1/9/2016	-9.0	-593.5	-2.0	-274.5	-1.5	-164.5
43	1/10/2016	-4.0	-597.5	-2.0	-276.5	-6.5	-171.0
44	1/11/2016	0.0	-597.5	0.0	-276.5	0.0	-171.0
45	1/12/2016	-15.0	-612.5	-8.5	-285.0	-2.5	-173.5
46	1/13/2016	0.0	-612.5	0.0	-285.0	0.0	-173.5
47	1/14/2016	-12.0	-624.5	-8.0	-293.0	-3.5	-177.0
48	1/15/2016	0.0	-624.5	0.0	-293.0	0.0	-177.0
49	1/16/2016	-18.0	-642.5	-7.5	-300.5	-1.0	-178.0
50	1/17/2016	0.0	-642.5	0.0	-300.5	0.0	-178.0
51	1/18/2016	-9.0	-651.5	-2.5	-303.0	-5.0	-183.0
52	1/19/2016	0.0	-651.5	0.0	-303.0	0.0	-183.0
53	1/20/2016	-1.0	-652.5	-4.5	-307.5	-3.0	-186.0
54	1/21/2016	0.0	-652.5	0.0	-307.5	0.0	-186.0
55	1/22/2016	-3.0	-655.5	-3.0	-310.5	-2.0	-188.0
56	1/23/2016	0.0	-655.5	0.0	-310.5	0.0	-188.0
57	1/24/2016	-2.0	-657.5	-5.0	-315.5	-2.5	-190.5
58	1/25/2016	0.0	-657.5	0.0	-315.5	0.0	-190.5
59	1/26/2016	-1.0	-658.5	-2.0	-317.5	-6.5	-197.0
60	1/27/2016	0.0	-658.5	0.0	-317.5	0.0	-197.0
61	1/28/2016	-2.0	-660.5	-3.5	-321.0	-3.0	-200.0
62	1/29/2016	0.0	-660.5	0.0	-321.0	0.0	-200.0
63	1/30/2016	-2.0	-662.5	-2.0	-323.0	-3.0	-203.0
64	1/31/2016	0.0	-662.5	0.0	-323.0	0.0	-203.0
65	2/1/2016	-5.0	-667.5	-3.5	-326.5	-4.0	-207.0
66	2/2/2016	0.0	-667.5	0.0	-326.5	0.0	-207.0
67	2/3/2016	-3.5	-671.0	-7.0	-333.5	-3.5	-210.5
68	2/4/2016	0.0	-671.0	0.0	-333.5	0.0	-210.5
69	2/5/2016	-8.5	-679.5	-6.0	-339.5	-4.0	-214.5
70	2/6/2016	0.0	-679.5	0.0	-339.5	0.0	-214.5
71	2/7/2016	0.0	-679.5	0.0	-339.5	0.0	-214.5
72	2/8/2016	-9.0	-688.5	-8.0	-347.5	-6.0	-220.5

73	2/9/2016	0.0	-688.5	0.0	-347.5	0.0	-220.5
74	2/10/2016	-9.0	-697.5	-2.0	-349.5	-1.0	-221.5
75	2/11/2016	0.0	-697.5	0.0	-349.5	0.0	-221.5
76	2/12/2016	-3.0	-700.5	-6.0	-355.5	-2.5	-224.0
77	2/13/2016	0.0	-700.5	0.0	-355.5	0.0	-224.0
78	2/14/2016	-4.0	-704.5	-5.0	-360.5	-1.0	-225.0
79	2/15/2016	0.0	-704.5	0.0	-360.5	0.0	-225.0
80	2/16/2016	-6.0	-710.5	-6.5	-367.0	-3.0	-228.0
81	2/17/2016	0.0	-710.5	0.0	-367.0	0.0	-228.0
82	2/18/2016	-7.5	-718.0	-7.5	-374.5	-2.0	-230.0
83	2/19/2016	0.0	-718.0	0.0	-374.5	0.0	-230.0
84	2/20/2016	-7.5	-725.5	-5.5	-380.0	-5.0	-235.0
85	2/21/2016	0.0	-725.5	0.0	-380.0	0.0	-235.0
86	2/22/2016	-9.0	-734.5	-6.0	-386.0	-6.0	-241.0
87	2/23/2016	0.0	-734.5	0.0	-386.0	0.0	-241.0
88	2/24/2016	-8.5	-743.0	-6.0	-392.0	-2.0	-243.0
89	2/25/2016	0.0	-743.0	0.0	-392.0	0.0	-243.0
90	2/26/2016	-8.0	-751.0	-8.0	-400.0	-3.0	-246.0
91	2/27/2016	0.0	-751.0	0.0	-400.0	0.0	-246.0
92	2/28/2016	-8.5	-759.5	-8.5	-408.5	-4.5	-250.5
93	2/29/2016	0.0	-759.5	0.0	-408.5	0.0	-250.5
94	3/1/2016	-8.0	-767.5	-7.5	-416.0	-5.5	-256.0
95	3/2/2016	0.0	-767.5	0.0	-416.0	0.0	-256.0
96	3/3/2016	0.0	-767.5	0.0	-416.0	0.0	-256.0
97	3/4/2016	-6.0	-773.5	-9.5	-425.5	-7.5	-263.5
98	3/5/2016	0.0	-773.5	0.0	-425.5	0.0	-263.5
99	3/6/2016	0.0	-773.5	0.0	-425.5	0.0	-263.5
100	3/7/2016	-4.5	-778.0	-11.0	-436.5	-9.5	-273.0
101	3/8/2016	0.0	-778.0	0.0	-436.5	0.0	-273.0
102	3/9/2016	0.0	-778.0	0.0	-436.5	0.0	-273.0
103	3/10/2016	-9.0	-787.0	-9.5	-446.0	-6.5	-279.5
104	3/11/2016	0.0	-787.0	0.0	-446.0	0.0	-279.5
105	3/12/2016	0.0	-787.0	0.0	-446.0	0.0	-279.5
106	3/13/2016	-9.5	-796.5	-9.5	-455.5	-6.5	-286.0
107	3/14/2016	0.0	-796.5	0.0	-455.5	0.0	-286.0
108	3/15/2016	0.0	-796.5	0.0	-455.5	0.0	-286.0
109	3/16/2016	-10.5	-807.0	-6.0	-461.5	-5.5	-291.5

110	3/17/2016	0.0	-807.0	0.0	-461.5	0.0	-291.5
111	3/18/2016	0.0	-807.0	0.0	-461.5	0.0	-291.5
112	3/19/2016	-10.5	-817.5	-4.5	-466.0	-5.5	-297.0
113	3/20/2016	0.0	-817.5	0.0	-466.0	0.0	-297.0
114	3/21/2016	0.0	-817.5	0.0	-466.0	0.0	-297.0
115	3/22/2016	-13.0	-830.5	-3.5	-469.5	-3.0	-300.0
116	3/23/2016	0.0	-830.5	0.0	-469.5	0.0	-300.0
117	3/24/2016	0.0	-830.5	0.0	-469.5	0.0	-300.0
118	3/25/2016	-13.0	-843.5	-7.0	-476.5	-6.5	-306.5
119	3/26/2016	0.0	-843.5	0.0	-476.5	0.0	-306.5
120	3/27/2016	0.0	-843.5	0.0	-476.5	0.0	-306.5
121	**3/28/2016**	-14.5	-858.0	-3.0	-479.5	-4.5	-311.0
122	3/29/2016	0.0	-858.0	0.0	-479.5	0.0	-311.0
123	3/30/2016	0.0	-858.0	0.0	-479.5	0.0	-311.0
124	3/31/2016	-14.5	-872.5	-4.0	-483.5	-6.0	-317.0
125	4/1/2016	0.0	-872.5	0.0	-483.5	0.0	-317.0
126	4/2/2016	0.0	-872.5	0.0	-483.5	0.0	-317.0
127	4/3/2016	-16.0	-888.5	-2.5	-486.0	-4.5	-321.5
128	4/4/2016	0.0	-888.5	0.0	-486.0	0.0	-321.5
129	4/5/2016	0.0	-888.5	0.0	-486.0	0.0	-321.5
130	4/6/2016	-12.5	-901.0	-2.0	-488.0	-3.0	-324.5
131	4/7/2016	0.0	-901.0	0.0	-488.0	0.0	-324.5
132	4/8/2016	0.0	-901.0	0.0	-488.0	0.0	-324.5
133	4/9/2016	0.0	-901.0	4.0	-484.0	1.5	-323.0
134	4/10/2016	0.0	-901.0	0.0	-484.0	0.0	-323.0
135	4/11/2016	0.0	-901.0	0.0	-484.0	0.0	-323.0
136	4/12/2016	1.5	-899.5	0.0	-484.0	0.0	-323.0
137	4/13/2016	0.0	-899.5	0.0	-484.0	0.0	-323.0
138	4/14/2016	0.0	-899.5	0.0	-484.0	0.0	-323.0
139	4/15/2016	0.0	-899.5	0.5	-483.5	2.0	-321.0
140	4/16/2016	0.0	-899.5	0.0	-483.5	0.0	-321.0
141	4/17/2016	0.0	-899.5	0.0	-483.5	0.0	-321.0
142	4/18/2016	0.5	-899.0	0.5	-483.0	3.5	-317.5
143	4/19/2016	0.0	-899.0	0.0	-483.0	0.0	-317.5
144	4/20/2016	0.0	-899.0	0.0	-483.0	0.0	-317.5
145	4/21/2016	0.5	-898.5	0.5	-482.5	1.0	-316.5
146	4/22/2016	0.0	-898.5	0.0	-482.5	0.0	-316.5

147	4/23/2016	0.0	-898.5	0.0	-482.5	0.0	-316.5
148	4/24/2016	2.5	-896.0	0.0	-482.5	2.0	-314.5
149	4/25/2016	0.0	-896.0	0.0	-482.5	0.0	-314.5
150	4/26/2016	0.0	-896.0	0.0	-482.5	0.0	-314.5
151	4/27/2016	0.5	-895.5	0.0	-482.5	0.5	-314.0


Layered Settlement
0
-0,1
-0,2
-0,3
-0,4
-0,5
-0,6
-0,7
-0,8
-0,9
-1
Settlement (m)
0
20
40
60
80
100
120
140
160
Time (day)
5m
10m
15m

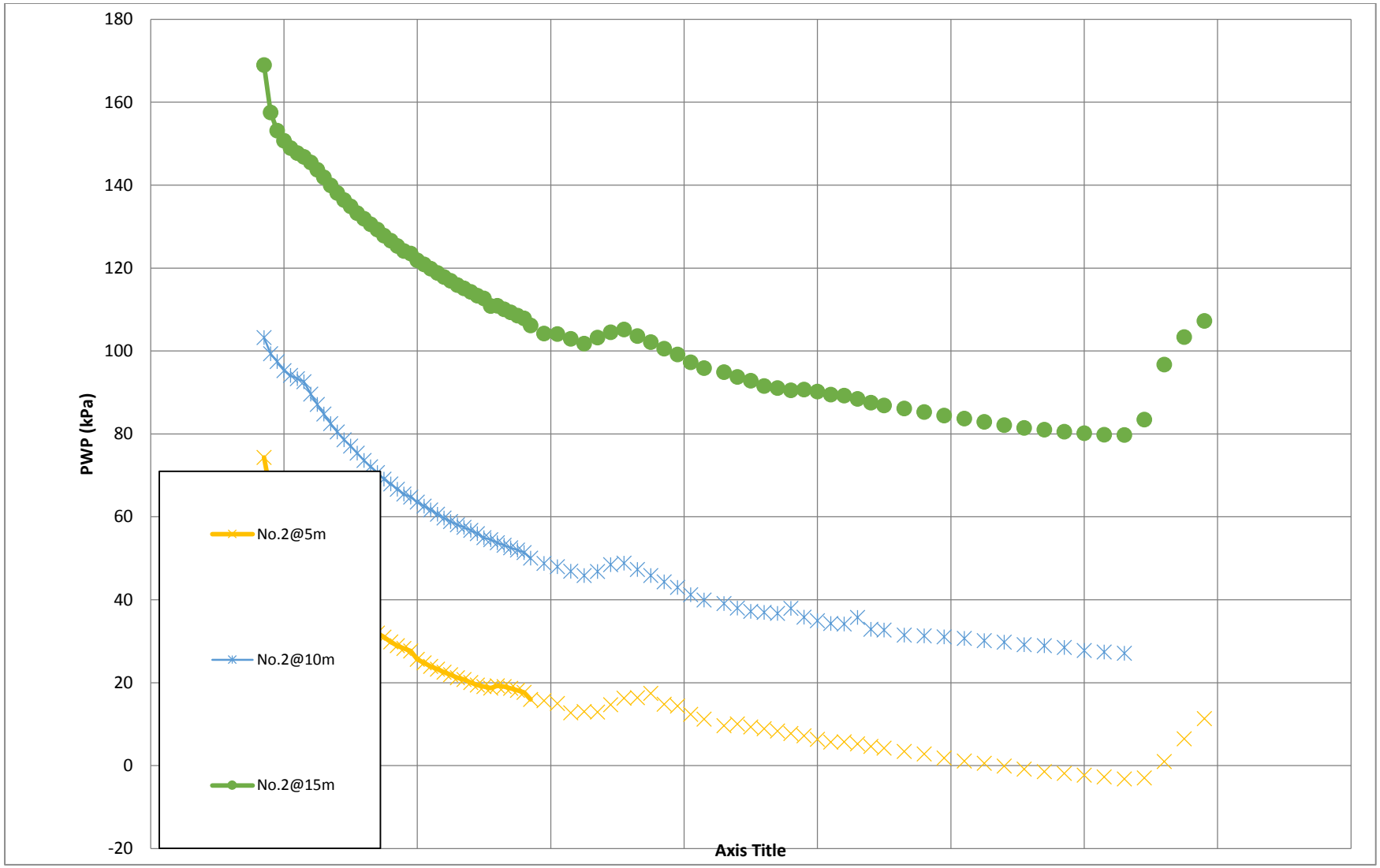
Pore Water Pressure (kPa) in Zone 2 (STA 0+750 to STA 1+150)				
NO.	Date	No.2 point (STA 1+100)		
		No.2@5m	No.2@10m	No.2@15m
1	11/29/2015	74.31	103.23	169.00
2	11/30/2015	65.80	99.33	157.55
3	12/1/2015	60.38	97.48	153.16
4	12/2/2015	57.93	95.24	150.74
5	12/3/2015	54.04	94.14	148.94
6	12/4/2015	50.52	93.33	147.73
7	12/5/2015	48.93	92.57	146.81
8	12/6/2015	50.87	89.63	145.51
9	12/7/2015	49.28	87.10	143.69
10	12/8/2015	46.59	84.82	141.87
11	12/9/2015	44.04	82.50	139.96
12	12/10/2015	41.69	80.47	138.12
13	12/11/2015	39.43	78.60	136.43
14	12/12/2015	37.41	77.08	134.92
15	12/13/2015	35.90	75.38	133.25
16	12/14/2015	34.48	73.63	131.92
17	12/15/2015	33.32	72.05	130.55
18	12/16/2015	32.00	70.65	129.29
19	12/17/2015	30.98	69.11	127.83
20	12/18/2015	29.86	67.92	126.60
21	12/19/2015	28.94	66.68	125.33
22	12/20/2015	28.23	65.53	124.10
23	12/21/2015	27.62	64.78	123.52
24	12/22/2015	25.67	63.58	121.89
25	12/23/2015	24.80	62.60	120.88
26	12/24/2015	23.93	61.67	119.83
27	12/25/2015	23.26	60.64	118.82
28	12/26/2015	22.55	59.70	117.85
29	12/27/2015	21.93	58.90	116.91
30	12/28/2015	21.21	58.09	115.93
31	12/29/2015	20.75	57.47	115.10
32	12/30/2015	20.02	56.75	114.24
33	12/31/2015	19.46	55.94	113.37
34	1/1/2016	19.04	55.00	112.67
35	1/2/2016	18.73	54.46	110.85
36	1/3/2016	19.25	53.78	110.93

37	1/4/2016	19.04	53.15	110.06
38	1/5/2016	18.63	52.57	109.30
39	1/6/2016	18.17	51.98	108.55
40	1/7/2016	17.65	51.39	107.87
41	1/8/2016	15.99	50.03	106.16
42	1/9/2016			
43	1/10/2016	15.68	48.77	104.24
44	1/11/2016			
45	1/12/2016	14.96	47.99	104.12
46	1/13/2016			
47	1/14/2016	12.73	46.90	102.92
48	1/15/2016			
49	1/16/2016	13.04	45.86	101.76
50	1/17/2016			
51	1/18/2016	12.93	46.81	103.24
52	1/19/2016			
53	1/20/2016	14.70	48.45	104.52
54	1/21/2016			
55	1/22/2016	16.25	48.86	105.16
56	1/23/2016			
57	1/24/2016	16.41	47.31	103.60
58	1/25/2016			
59	1/26/2016	17.44	45.86	102.12
60	1/27/2016			
61	1/28/2016	14.80	44.31	100.59
62	1/29/2016			
63	1/30/2016	14.39	42.98	99.18
64	1/31/2016			
65	2/1/2016	12.36	41.20	97.28
66	2/2/2016			
67	2/3/2016	11.22	39.96	95.90
68	2/4/2016			
69	2/5/2016			
70	2/6/2016	9.65	39.09	94.88
71	2/7/2016			
72	2/8/2016	10.07	37.98	93.74
73	2/9/2016			
74	2/10/2016	9.34	37.20	92.85
75	2/11/2016			
76	2/12/2016	8.92	36.97	91.54
77	2/13/2016			

78	2/14/2016	8.35	36.69	91.09
79	2/15/2016			
80	2/16/2016	7.77	37.94	90.52
81	2/17/2016			
82	2/18/2016	7.20	35.82	90.68
83	2/19/2016			
84	2/20/2016	6.36	34.94	90.23
85	2/21/2016			
86	2/22/2016	5.68	34.29	89.49
87	2/23/2016			
88	2/24/2016	5.73	34.15	89.25
89	2/25/2016			
90	2/26/2016	5.26	35.77	88.46
91	2/27/2016			
92	2/28/2016	4.63	32.86	87.52
93	2/29/2016			
94	3/1/2016	4.21	32.72	86.90
95	3/2/2016			
96	3/3/2016			
97	3/4/2016	3.42	31.51	86.12
98	3/5/2016			
99	3/6/2016			
100	3/7/2016	2.79	31.32	85.29
101	3/8/2016			
102	3/9/2016			
103	3/10/2016	1.84	31.05	84.42
104	3/11/2016			
105	3/12/2016			
106	3/13/2016	1.11	30.67	83.68
107	3/14/2016			
108	3/15/2016			
109	3/16/2016	0.58	30.12	82.89
110	3/17/2016			
111	3/18/2016			
112	3/19/2016	-0.11	29.79	82.10
113	3/20/2016			
114	3/21/2016			
115	3/22/2016	-0.84	29.18	81.48
116	3/23/2016			
117	3/24/2016			
118	3/25/2016	-1.43	28.91	81.02

119	3/26/2016			
120	3/27/2016			
121	**3/28/2016**	-1.90	28.49	80.56
122	3/29/2016			
123	3/30/2016			
124	3/31/2016	-2.27	27.79	80.15
125	4/1/2016			
126	4/2/2016			
127	4/3/2016	-2.75	27.41	79.81
128	4/4/2016			
129	4/5/2016			
130	4/6/2016	-3.22	27.09	79.73
131	4/7/2016			
132	4/8/2016			
133	4/9/2016	-2.96		83.47
134	4/10/2016			
135	4/11/2016			
136	4/12/2016	1.00		96.75
137	4/13/2016			
138	4/14/2016			
139	4/15/2016	6.46		103.36
140	4/16/2016			
141	4/17/2016			
142	4/18/2016	11.32		107.28
143	4/19/2016			
144	4/20/2016			
145	4/21/2016	14.96		109.54
146	4/22/2016			
147	4/23/2016			
148	4/24/2016	17.86		111.13
149	4/25/2016			
150	4/26/2016			
151	4/27/2016	19.87		112.23
152	4/28/2016			

Pore Water Pressure


180
160
140
120
100
80
60
40
20
0
-20
PWP (kPa)
No.2@5m
No.2@10m
No.2@15m
Axis Title

Lampiran 07 Data t tabel

Titik Persentase Distribusi t (df = 121 –160)

Pr / df	0.25 0.50	0.10 0.20	0.05 0.10	0.025 0.050	0.01 0.02	0.005 0.010	0.001 0.002
121	0.67652	1.28859	1.65754	1.97976	2.35756	2.61707	3.15895
122	0.67651	1.28853	1.65744	1.97960	2.35730	2.61673	3.15838
123	0.67649	1.28847	1.65734	1.97944	2.35705	2.61639	3.15781
124	0.67647	1.28842	1.65723	1.97928	2.35680	2.61606	3.15726
125	0.67646	1.28836	1.65714	1.97912	2.35655	2.61573	3.15671
126	0.67644	1.28831	1.65704	1.97897	2.35631	2.61541	3.15617
127	0.67643	1.28825	1.65694	1.97882	2.35607	2.61510	3.15565
128	0.67641	1.28820	1.65685	1.97867	2.35583	2.61478	3.15512
129	0.67640	1.28815	1.65675	1.97852	2.35560	2.61448	3.15461
130	0.67638	1.28810	1.65666	1.97838	2.35537	2.61418	3.15411
131	0.67637	1.28805	1.65657	1.97824	2.35515	2.61388	3.15361
132	0.67635	1.28800	1.65648	1.97810	2.35493	2.61359	3.15312
133	0.67634	1.28795	1.65639	1.97796	2.35471	2.61330	3.15264
134	0.67633	1.28790	1.65630	1.97783	2.35450	2.61302	3.15217
135	0.67631	1.28785	1.65622	1.97769	2.35429	2.61274	3.15170
136	0.67630	1.28781	1.65613	1.97756	2.35408	2.61246	3.15124
137	0.67628	1.28776	1.65605	1.97743	2.35387	2.61219	3.15079
138	0.67627	1.28772	1.65597	1.97730	2.35367	2.61193	3.15034
139	0.67626	1.28767	1.65589	1.97718	2.35347	2.61166	3.14990
140	0.67625	1.28763	1.65581	1.97705	2.35328	2.61140	3.14947
141	0.67623	1.28758	1.65573	1.97693	2.35309	2.61115	3.14904
142	0.67622	1.28754	1.65566	1.97681	2.35289	2.61090	3.14862
143	0.67621	1.28750	1.65558	1.97669	2.35271	2.61065	3.14820
144	0.67620	1.28746	1.65550	1.97658	2.35252	2.61040	3.14779
145	0.67619	1.28742	1.65543	1.97646	2.35234	2.61016	3.14739
146	0.67617	1.28738	1.65536	1.97635	2.35216	2.60992	3.14699
147	0.67616	1.28734	1.65529	1.97623	2.35198	2.60969	3.14660
148	0.67615	1.28730	1.65521	1.97612	2.35181	2.60946	3.14621
149	0.67614	1.28726	1.65514	1.97601	2.35163	2.60923	3.14583
150	0.67613	1.28722	1.65508	1.97591	2.35146	2.60900	3.14545
151	0.67612	1.28718	1.65501	1.97580	2.35130	2.60878	3.14508
152	0.67611	1.28715	1.65494	1.97569	2.35113	2.60856	3.14471
153	0.67610	1.28711	1.65487	1.97559	2.35097	2.60834	3.14435
154	0.67609	1.28707	1.65481	1.97549	2.35081	2.60813	3.14400
155	0.67608	1.28704	1.65474	1.97539	2.35065	2.60792	3.14364
156	0.67607	1.28700	1.65468	1.97529	2.35049	2.60771	3.14330
157	0.67606	1.28697	1.65462	1.97519	2.35033	2.60751	3.14295
158	0.67605	1.28693	1.65455	1.97509	2.35018	2.60730	3.14261
159	0.67604	1.28690	1.65449	1.97500	2.35003	2.60710	3.14228
160	0.67603	1.28687	1.65443	1.97490	2.34988	2.60691	3.14195

Lampiran 08 Uji Bahan PVD

TRANS SUMATERA

PT. HUTAMA KARYA (Persero)
DIVISI JALAN TOL

05 PENGUJIAN
BAHAN BAKU / MATERIAL

PEMBANGUNAN JALAN TOL TRANS SUMATERA
RUAS PALEMBANG - INDRALAYA

NOMOR KONTRAK	:	**DJT/SU.61/S.Perj.06/I/2016**
TANGGAL	:	**12 JANUARI 2016**

KONSULTAN PENGAWAS	KONTRAKTOR
PT. CIPTA STRADA	PT. HUTAMA KARYA INFRASTRUKTUR

KEMENTERIAN PEKERJAAN UMUM
BADAN PENELITIAN DAN PENGEMBANGAN
PUSAT PENELITIAN DAN PENGEMBANGAN JALAN DAN JEMBATAN

LAPORAN HASIL PENGUJIAN

Yang bertanda tangan dibawah ini melaporkan hasil pengujian dari Laboratorium Pengujian Balai Geoteknik Jalan, yaitu :

1. Pendahuluan
   a. Proyek/Pekerjaan : Pelaksanaan Proyek Jalan Tol Palembang-Simpang Indralaya.
   b. Nama dan Alamat Pelanggan : PT Geotekindo
      Grand Aries Niaga Jl Taman Aries Blok E1 No. 1Q, Meruya Utara Kembangan, Jakarta Barat 11620

2. Contoh Uji Geosintetik : Prefabricated Vertical Drain (PVD)
   a. Contoh diterima tanggal : 06 Oktober 2015
   b. Contoh diuji tanggal : 07 Oktober 2015
   c. Contoh selesai diuji tanggal : 16 Oktober 2015
   d. Jenis pengujian :
      1. Massa
      2. Ketebalan
      3. Kuat Tarik
      4. Permeabilitas
      5. Kuat Sobek
      6. Kuat Tusuk
   e. Hasil pengujian : Terlampir

Bandung, 19 Oktober 2015

Wakil Manajer Puncak
Ka.Balai Geoteknik Jalan

Ir. Rudy Febrijanto, MT
NIP 19710203 199703 1 004

Laporan Faktual

Deskripsi Contoh Uji

Contoh uji geosintetik diterima tanggal 06 Oktober 2015 di Laboratorium Geosintetik, Laboratorium Pengujian Balai Geoteknik Jalan. Deskripsi contoh uji secara lengkap disajikan pada Tabel di bawah ini.

Tabel 1. Deskripsi Contoh Uji Prefabricated Vertical Drain (PVD)

Identifikasi Contoh Uji	Sample I
Deskripsi	PVD
Dimensi contoh uji	0.10 x 4 m
Tanggal pemotongan contoh uji, dan nomor referensi roll yang dipilih	-
Catatan	-

Tabel 2. Deskripsi Contoh Uji Geotextile Non Woven

Identifikasi Contoh Uji	Sample I
Deskripsi	Non Woven
Dimensi contoh uji	1 x 4 m
Tanggal pemotongan contoh uji, dan nomor referensi roll yang dipilih	-
Catatan	-

Pengkondisian Contoh Uji

Semua pengujian dilakukan dengan pengujian kering kecuali disebutkan lain dalam laporan ini. Pengujian dilakukan dalam temperatur ruang sebesar 23 °C. Contoh uji secara terus menerus diekspos terhadap kondisi atmosfir sekurang-kurangnya 24 jam sebelum pengujian.

Mass per Meter Unit

Pengujian dilakukan berdasarkan prosedur ASTM D5261 "Standard Test Method for Measuring Mass per Meter Unit of PVD" yang dipublikasikan tahun 1992 (reapproved 1996).

Untuk setiap contoh uji, lima benda uji berukuran 100 mm x 100 mm (10,000 mm) dipotong dari contoh uji dan ditimbang sampai ketelitian 10 mg. Massa per satuan panjang dihitung dan dirata-rata.

KEMENTERIAN PEKERJAAN UMUM
BADAN PENELITIAN DAN PENGEMBANGAN
PUSAT PENELITIAN DAN PENGEMBANGAN JALAN DAN JEMBATAN

Sertifikat Pengujian Prefabricated Vertical Drain (PVD)

Komposit Core + Filter

No Pengujian	:	089.BGJ.LAB GEOSINTETIK.2015
Identifikasi Contoh Uji	:	PVD
Tanggal Penerima Contoh Uji	:	06 Oktober 2015
Tanggal Pengujian	:	07 Oktober 2015

No	Pengujian	Standar Uji	Hasil Uji	Standard Deviasi	Koefisien Variasi
1	Mass per Meter Unit (g/m)	ASTM D5261			
	Mass per Meter Unit (g/m)		79.2	0.61	0.7732
2	Nominal Thickness (mm)	ASTM D5199			
	Prosedur A: 2 kPa		3.565	0.0488	1.370
	Nominal Thickness (mm) / (Filter PVD)	ASTM D5199			
	Prosedur A: 2 kPa		0.389	0.0099	2.543
3	Tensile Properties of PVD by the Wide Width Strip Method	ASTM D4595			
	Mechine Direction (Lengthwise) :				
	Maximum Force, Fmax (kN)		3.25	0.0671	2.06
	Elongation at Maximum Load, Emax (%)		29.3	3.9	13.37
	Cross-Machine Direction (Transverse) :				
	Maximum Force, Fmax (kN)		-	-	-
	Elongation at Maximum Load, Emax (%)		-	-	-
4	Grab Breaking Load and Elongation of PVD (Filter PVD)	ASTM D4632			
	Mechine Direction (Lengthwise) :				
	Grab Breaking Load, Fp, (kN)		0.352	0.0185	5.24
	Apparent Breaking Elongation, max (%)		21.3	1.4	6.35
	Cross-Machine Direction (Transverse) :				
	Grab Breaking Load, Fp, (kN)		0.161	0.0138	8.56
	Apparent Breaking Elongation, max (%)		21.3	3.2	15.08
5	Water Permeability of Filter PVD by Permittivity	ASTM D4491			
	Permittivity, (s-1)		0.796		

Lampiran 09 Cross Section

Lampiran 10 Output PLAXIS Single Drain

Lampiran 11 Output PLAXIS Full Model